



Criteria 3: Research, Innovations and Extension
Key Indicator 3.2: Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident



Criteria 3: Research, Innovations and Extension
Key Indicator 3.2: Innovation Ecosystem

INDEX

Sr. No.	Content	Page No.
1.	Details of R&D cell and IPR cell objectives and constitution	3-8
2.	INCUBATION CENTRE including training availed Project I: Pharmacological and toxicological investigation of pharmaceutical products in cell lines Project II: Fabrication and characterization of nano-formulations Project III: Herbal drug product development Project IV: Developing scientific temper of the society	9-21
3.	Collaborations and linkages with academic and research institutes, and industries	22-29
4.	Workshops, conferences, training programs organized, and motivational talks for students and faculties	30-92
5.	IPR activities	93-95
6.	Knowledge transfer through awareness programs	96-97
7.	Participation and achievements of students and faculties in conferences, workshops, etc	98-108
8.	Research grants	109-130
9.	Research and Review publications	131-173
10.	Patents filed and published	174-180

PRINCIPAL

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TATYASAHEB KORE**COLLEGE OF PHARMACY**Warananagar, Tal.: Panhala, Dist.: Kolhapur,
Maharashtra, India - 416113.



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

1. Details of R&D cell and IPR cell objectives and constitution

Page | 3/182

R&D CELL CONSTITUTION



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TATYASAHEB KORE COLLEGE OF PHARMACY

Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)

Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkepwarana.ac.in

Email: tkep.pc@unishivaji.ac.in

NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavka)
President

Date: 04th June 2018

RESEARCH AND DEVELOPMENT CELL

SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra, India has established Research and Development Cell for the promotion of research innovations, events and activities. The objectives of R&D cell are,

- To uplift and promote cutting-edge research based on the proven capabilities and expertise of faculty and students and facilitate strengthening of the Institute's research capabilities;
- To create a encouraging environment for promotion of research activities of societal importance with potential for commercialization;
- To provide an ethical framework and quality control mechanism for the research work to be done in the institute;
- To promote students and faculties to apply for major and minor research grants;
- To encourage students and faculties to perform outcome-based research;
- To encourage students for participation in national, international, state, university, and local level conferences, workshops;
- To promote inter-disciplinary collaborative research and establish linkages with institutions and universities in India and outside to secure resources to provide facilities to scholars;
- To strengthen industry-institute interaction by promoting consultancy, testing and need based research and innovation activities in the institute;

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 Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
 Email: tkcp.pc@unishivaji.ac.in

NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

- To support various departments of institute in establishing research centres with state-of-the-art equipment;
- To make sure smooth functioning and effective management of research and innovation activities in the institute;
- To keep the proofs of all research related activities required for various committees

The committee constitution is given below,

Sr. No.	Name of Faculty	Designation	Position	Signature
1.	Dr. John I. Disouza	Principal	Director	
2.	Dr. Arehalli S. Manjappa	Asst. Professor	Coordinator	
3.	Mr. Kiran S. Patil	Asst. Professor	IQAC Coordinator	
4.	Mr. Ajit B. Patil	Asst. Professor	Member	
5.	Mr. Popat S. Kumbhar	Asst. Professor	Member	
6.	Mrs. Sayali D. Powar	Asst. Professor	Member	



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R&D CELL RECONSTITUTION

Page | 5/182



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Phone: (02328) 223501, Website: www.tkcpwarana.ac.in

Email: tkcp.pc@unishivaji.ac.in

NIRF RankBand: 2017 & 2018 – 51 to 75; 2021 – 75 to 100

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

Date: 16th May 2023

RESEARCH AND DEVELOPMENT CELL

SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra, India has established Research and Development Cell in 2017-18 for the promotion of research innovations, events and activities and the committee was reconstituted in the year of 2022-23. The objectives of R&D cell are,

- To uplift and promote cutting-edge research based on the proven capabilities and expertise of faculty and students and facilitate strengthening of the Institute's research capabilities;
- To create a encouraging environment for promotion of research activities of societal importance with potential for commercialization;
- To provide an ethical framework and quality control mechanism for the research work to be done in the institute;
- To promote students and faculties to apply for major and minor research grants;
- To encourage students and faculties to perform outcome-based research;
- To encourage students for participation in national, international, state, university, and local level conferences, workshops;
- To promote inter-disciplinary collaborative research and establish linkages with institutions and universities in India and outside to secure resources to provide facilities to scholars;
- To strengthen industry-institute interaction by promoting consultancy, testing and need based research and innovation activities in the institute;



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Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

- To make sure smooth functioning and effective management of research and innovation activities in the institute;
- To keep the proofs of all research related activities required for various committees

The new committee constitution is given below.

Sr. No.	Name of Faculty	Designation	Position	Signature
1.	Dr. John I. Disouza	Principal	Director	
2.	Mr. Popat S. Kumbhar	Asst. Professor	Coordinator	
3.	Mr. Kiran S. Patil	Asst. Professor	IQAC Coordinator	
4.	Mr. Ajit B. Patil	Asst. Professor	Member	
5.	Ms. U. G. Mali	Asst. Professor	Member	
6.	Mr. Onkar B. Patil	Asst. Professor	Member	
7.	Ms. Tejaswini U. Shinde	Asst. Professor	Member	
8.	Mr. Rajdeep P. Bhokare	Asst. Professor	Member	
9.	Mr. Kaustubh A. Kolekar	PG (P'ceutics) student	Student Representative	
10.	Mrs. Vibhuti P. Thakur	PG (PQA) student	Student Representative	



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IPR CELL CONSTITUTION

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Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

Date: 04th June 2018

INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra, India has established Intellectual Property Rights (IPR) Cell in the college to meet the IPR requirements of researchers, potential start-ups, and to cater the marching of the college to set and achieve IPR/ copy-right/ industrial-design targets.

The objectives of IPR cell are:

- To set IPR goals of the institute;
- To develop a research ecosystem by fostering infrastructural development, research culture;
- To encourage stakeholders of the institute to file IPR by providing assistance in their research endeavors within the confines of the institution's IPR policy;
- To train stakeholders of the institute on – identifying problems, idea and concept generation, POC, prototype model development i.e. turning ideas into reality;
- To generate an awareness about IPR amongst faculty and students;
- To provide training on patent filing processes;
- To organize workshops and seminars on IPR to promote better understanding of IP law etc.

The committee constitution is given below;

Sr. No.	Name of Faculty	Designation	Position	Signature
1.	Dr. John I. Disouza	Principal	Director	

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Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

2.	Mr. Papat S. Kumbhar	Asst. Professor	Coordinator	
3.	Mr. Amol S. Sherikar	Asst. Professor	Member	
4.	Mr. Kiran S. Patil	Asst. Professor	IQAC Coordinator	
5.	Mr. Ajit B. Patil	Asst. Professor	Member	
6.	Mrs. Sayali D. Powar	Asst. Professor	Member	



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INCUBATION CENTRE

Project I: Pharmacological and toxicological investigation of pharmaceutical products in cell lines

Purpose:

- To perform cytotoxicity and antimicrobial testing of the herbal and synthetic formulations.
- To develop holistic scientists and cell culture lab services consultants.

Facility available in the HEI



Industrial grade cell culture laboratory equipped with air/ HEPA filter and full proof air-controlled system

T. G. Bhoirade

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Laminar Air Flow Unit



CO₂ Incubator



Inverted Microscope



Cooling Centrifuge

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Project II: Fabrication and characterization of nano-formulations

Purpose:

- Processing and characterization of pharmaceutical nanoformulations.
- To develop holistic scientists.

Facility available in the HEI



Freeze Dryer

HPLC

Ty Bhoirao

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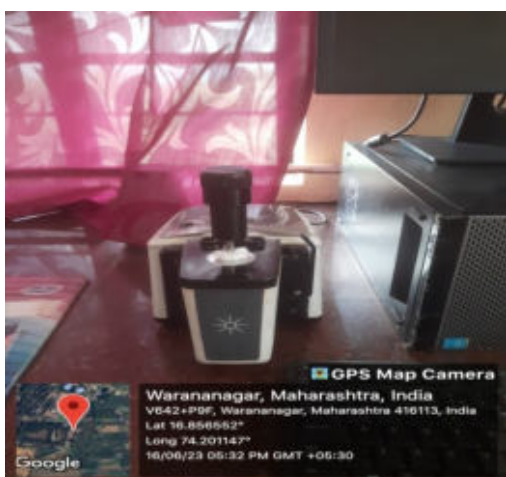
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Uv-Visible Spectrophotometer



Brookfield Viscometer



FTIR



Inverted Microscope

Incubation Facility Training availed to staff and students



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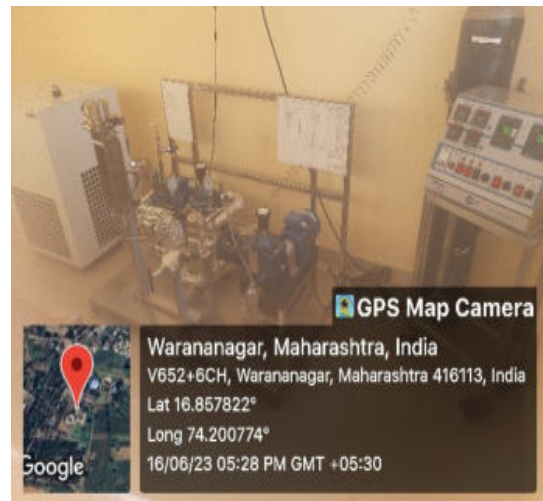


Project III: Herbal drug product development

Purpose:

- To extract components from the herbs.
- To develop CO₂ extraction services consultants.

Facility available in the HEI



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Incubation Facility Training availed to staff and students



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T. Y. Bhoirao

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Project IV: Developing scientific temper of the society

Purpose:

- Science popularization and development of scientists.

श्री वारणा विभाग शिक्षण मंडळ संचलित
वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर, वारणा नगर
राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन
महाराष्ट्र शासनाचा उपक्रम..

कृतीशील प्रयोगातून वैज्ञानिक संकल्पनेचा अभ्यास,
करू कल्पकतेचा विकास...!!!

इनोव्हेशन अँक्टिव्हिटी लॅबोरेटरी
फिजिक्स, केमिस्ट्री, बायोलॉजी, मॅथ्स, इलेक्ट्रॉनिक्स, रोबोटिक्स
विज्ञान विषयातील नाविन्यपूर्ण प्रयोगासाठी..!

प्रदर्शन व बहुउद्येशीय हॉल
नोबेल पारितोषिके व मंगळयान संदर्भातील चित्रलेखीय प्रदर्शन..!

मनोरंजन विज्ञान प्रदर्शन
खेळातून वैज्ञानिक संकल्पना समजून घेण्याचा मजेदार अनुभव..!

- Gravity Well
- Hot & Cold
- Curie Point
- Cone Runs Uphill
- All Road Leads to Rome
- Colour Shadow
- Is Light Visible ?
- Virtual Harp
- Floating Ball
- Probability
- Fun Mirrors
- Jumping Disc
- Plasma Globe
- Moire Pattern
- Anamorphosis
- Curved Tunnel
- Breathing Square
- Lazy Coin
- Scanimation
- Value of Pi
- Infinity Well
- Crazy Maze
- Vortex
- Acrobatic Stick

सायन्स पार्क
खेळातून वैज्ञानिक संकल्पनेची अनुभूती..!

- See Saw is a Lever
- Musical Tubes
- Sympathetic Swing
- Whispering Garden
- Action Reaction
- Camera Obscura
- Turn Faster
- Pulley Lift Load
- Perception of Depth

उपक्रम
सिमेंट सेंटरला भेट
इनोव्हेशन अँक्टिव्हिटी लॅबमध्ये प्रयोग
विज्ञान विषयक कार्यशाळा
ऑलम्पिचाड व तत्सम परीक्षांकरिता मार्गदर्शन

- विज्ञान स्वाह्वानमाला
- वैज्ञानिक प्रकल्प स्पर्धा
- विज्ञानावरील प्रश्नमंजूषा स्पर्धा
- विज्ञानावरील निबंध स्पर्धा

संपर्क
समन्वयक वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर, वारणा नगर
तालुका: पन्हाळा, जिल्हा: कोल्हापूर, (महाराष्ट्र) ४१६ ११३, फोन: ०२३२८-२२३५०१, मोबाइल: ००९८०२५०१०, ९४२१०००२१८
E mail: waranasiac@gmail.com

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आदरणीय विलासराव कोरे तारांगण

मुंबई, बॅंगलोर नंतर त्र्याम्बक द्वाचे तारांगण आता वारणेत

अत्याधुनिक टेलिस्कोपच्या सहाय्याने आकाश निरीक्षण करतायचे आहे ?
उल्कापात, ग्रहांचे संक्रमण, ग्रहण इ. सारख्या खगोलीय घटनांचे प्रत्यक्ष साक्षीदार व्हायचे आहे ?
ब्रह्मांड, आकाशगंगा, तारे, तारकासमूह, राशी-नक्षत्र इ. ची राष्ट्रीय माहिती
विज्ञानाच्या माध्यमातून मिळवायची आहे ? चला तर मग...

उपलब्ध शो

सूर्यमालेचा जन्म
ASTRONOMY
1000 YEARS OF STARGAZING
खगोलशास्त्र : ३००० वर्षांपासूनचे आकाश निरीक्षण

कालक्रमानुसार पृथ्वी पर्यंतचा प्रवास
CHRONICLE OF A JOURNEY TO EARTH
ब्रह्मांडाचे क्षितिज अनुभवताना

वातावरणातील बदल
CLIMATE CHANGE
कॉस्मिक ओरिजन स्पेक्ट्रोग्राफ

पुन्हा चंद्राकडे
PUNHA CHANDRAKADHE
सूर्यमालेपलीकडील ग्रह

आणि बरेच काही...

※ शाळा-महाविद्यालयातील विद्यार्थ्यांची सामूहिक नोंदणी सवलतीच्या दरात... ※
※ शो सुरु होण्याची वेळ : स.१०.३०, स.११.३०, दु.२.३० आणि दु.३.३० (साप्ताहिक सुट्टी सोमवार) ※
※ टिप: शोसाठी कमीतकमी ४० व्यक्ती उपस्थित असतील तर शो चालू केला जाईल. ※

श्री वारणा विभाग शिक्षण मंडळ संचालित
वारणा विज्ञान केंद्र, वारणानगर

ता. १०.१०.२०१९, जि. कोल्हापूर, (महाराष्ट्र) ४१६ ११३,
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Saturday, 20-08-2022



Incubation Facility Training availed to young students



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Session by: Sharad Godase

22-07-2019



Session by: Shanti Pise

22-07-2019

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Session by: Abhay Waghvekar

16-09-2019

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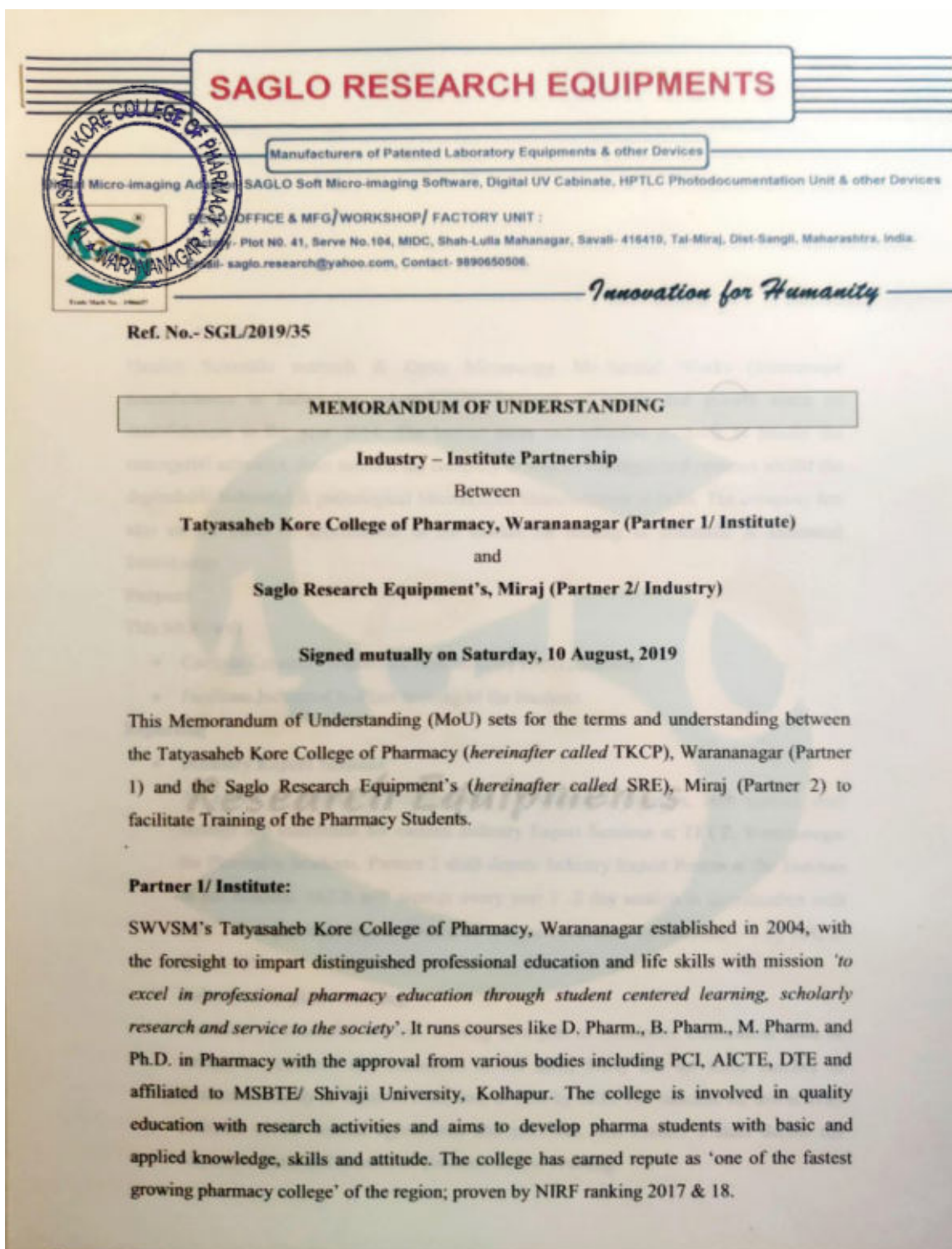
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SAGLO RESEARCH EQUIPMENTS

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Email- saglo.research@yahoo.com, Contact- 9890650506.

Innovation for Humanity

Duration:
This MOU may be modified by mutual consent of authorized officials from above listed partners. This MOU shall become effective upon signature by the authorized officials from listed partners and will remain in effect until modified or terminated by any one of the partners by mutual consent.

MoU SIGNED IN PRESENCE OF:

Partner 1: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar

Tal. Panhala, Dist. Kolhapur, Telephone: 02328-223501, E-mail: johnsir4u@gmail.com

Partner representative:

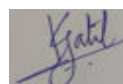
1.	Dr. John Disouza Principal, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	
2.	Mr. Pritesh Lole Training & Placement Officer, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	 



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**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



Approved by PCI, AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY

Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
Email: tkcp.pc@unishivaji.ac.in

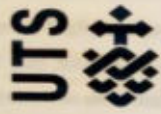
NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President


MEMORANDUM OF UNDERSTANDING

Memorandum of Understanding to be jointly signed between



**Dr. Kamal Dua's, Laboratory, Department of
Pharmaceutical Sciences (Partner 2), University of
Technology Sydney, Australia, E-mail:
Kamal.Dua@uts.edu.au**

and



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar (Partner 2), Tal.: Panhala, Dist.:
Kolhapur, Telephone: 02328-223501, E-mail:
tkcp.pc@unishivaji.ac.in**

Signed mutually on Monday, 11 January, 2021

This Memorandum of Understanding (MoU) sets upon the terms and understanding between the **Kamal Dua's, Laboratory, Department of Pharmaceutical Sciences, University of Technology Sydney, Australia (Partner 1)** and the **SWVSM's Tatyasaheb Kore College of Pharmacy (TKCP), Warananagar (Partner 2)** for facilitating research projects of both parties by mutually agreeing terms and conditions.

T. J. Bhoirade

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K. J. J.

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P. J.

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**Shree Warana Vibhag Shikshan Mandal's
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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Approved by PCL AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

**Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY**

Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
Email: tkcp.pc@unishivaji.ac.in

NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza **Hon. Dr. Vinayji V. Kore (Saavkar)**
President

MOU SIGNED IN PRESENCE OF:

Partner 1: Kamal Dua's, Laboratory, Department of Pharmaceutical Sciences, University of Technology Sydney, Australia

Partner representative:

1.	Dr. Kamal Dua , Senior Lecturer, Discipline of Pharmacy, Graduate School of Health, UTS, Sydney, Australia	
2.	Dr. Keshav Raj Paudel , Faculty of Science, School of Life Sciences, Sydney, Australia	

Partner 2: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar

Partner representative:

1.	Dr. John Disouza , Principal, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	
2.	Mr. Popat Kumbhar , Research Coordinator, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	

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Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Project aided by:
RGSTC, Govt. of Maharashtra





**Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**
Warananagar
Tal: Panhala, Dist: Kolhapur, Maharashtra, Pin: 416 113
Phone: 02328 223501, 9421770218 Email: waranasiac@gmail.com

Dr. John I. Disouza Principal Coordinator	Dr. Vinayji Kore (Saavkar) President, SWVSSM
---	--


MEMORANDUM OF UNDERSTANDING

Memorandum of Understanding to be jointly signed between



**Shree Warana Vibhag Shikshan Mandal's Tatyasaheb
Kore College of Pharmacy, Warananagar (Partner 1),**
Tal.: Panhala, Dist.: Kolhapur, Telephone: 02328-223501, E-
mail: tkcp.pc@unishivaji.ac.in

and



**Shree Warana Vibhag Shikshan Mandal's Warana
Science & Innovation Activity Centre, Warananagar
(Partner 2), Tal.: Panhala, Dist.: Kolhapur, E-mail:
waranasiac@gmail.com**

Signed mutually on Wednesday, 28 February, 2018

This Memorandum of Understanding (MoU) sets for the terms and understanding between the SWVSM's Tatyasaheb Kore College of Pharmacy (TKCP), Warananagar (Partner 1) and the SWVSM's Warana Science & Innovation Activity Centre (WSIAC), Warananagar (Partner 2) for facilitating research projects of both parties by mutually agreeing terms and conditions.

Partner 1:
SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar established in 2004, with the foresight to impart distinguished professional education and life skills with mission 'to excel in professional pharmacy education through student centered learning, scholarly research and service to the society'. It runs courses like D. Pharm., B. Pharm., M. Pharm. and Ph.D. in Pharmacy with the approval from various bodies including PCI, AICTE, DTE and affiliated to

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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Project aided by:
RGSTC, Govt. of Maharashtra



Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE
Warananagar
Tal: Panhala, Dist.: Kolhapur, Maharashtra, Pin.: 416 113
Phone: 02328 223501, 9421770218 Email: waranasiac@gmail.com



Dr. John I. Disouza
Principal Coordinator

Dr. Vinayji Kore (Saavkar)
President, SWVSM

MoU SIGNED IN PRESENCE OF:



Partner 1: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar

Partner representative:

1.	<p>Dr. John Disouza Principal, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar</p>	
2.	<p>Mr. Popat Kumbhar Assistant Professor, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar</p>	

Partner 2: SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Partner representative:

1.	<p>Dr. John Disouza Principal Coordinator, SWVSM's Warana Science & Innovation Activity Centre, Warananagar</p>	
2.	<p>Mr. Pritesh Lole Scientific Officer, SWVSM's Warana Science & Innovation Activity Centre, Warananagar</p>	



John Disouza

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Popat Kumbhar

Checked by

Vinayji Kore

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John Disouza

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Warananagar**

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Email : admin@mistair.net



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Memorandum of Understanding

Industry – Institute Partnership

Between

Tatyasaheb Kore College of Pharmacy, Warananagar (Partner 1/Institute)

and

Mistair Health & Hygiene Pvt. Ltd., Kolhapur (Partner 2/Industry)

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Tatyasaheb Kore College of Pharmacy, Warananagar (Partner 1) and the Mistair Health & Hygiene Pvt/ Ltd., Kolhapur (Partner 2) to facilitate Training & Placements of the Pharmacy Students

Purpose

This MOU will

- Campus Connect Program through Industry Expert Sessions
- Facilitate Industrial In-Plant training of the Students
- Provide Assistance for Campus Recruitment Program

Reporting

• **Industry Expert Sessions**

As a part of Institute's Employability Development Program, both parties shall arrange and coordinate for various Industry Expert Sessions at Tatyasaheb Kore College of Pharmacy, Warananagar for Pharmacy Students. Partner 2 shall depute Industry Expert Person at the Institute as per concern.

• **Industrial In-plant training:**

Provision of Industrial in-plant training as a part of Academic Curriculum shall be arranged, monitored and controlled at the Mistair Health & Hygiene, Kolhapur site for definite number of Students annually. The timeline for this activity is based on the mutual agreements and priorities, and Partner 2 shall decide the respective dates and number of Students for the Training.

• **Campus Recruitment Program:**

Execution of Campus Recruitment Drive as per the company requirements shall be arranged, monitored and controlled at the Tatyasaheb Kore College of Pharmacy, Warananagar for definite number of Students annually or as and when required. The timeline for this activity is based on the mutual agreements and priorities.



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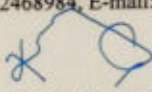
Signed in presence of:


Partner 1/Institute name: Tatyasaheb Kore College of Pharmacy, Warananagar
Partner representative: **Dr. Vinayji Kore (Savkar)**, President, Shree Warana Vibhag Shikshan Mandal, Warananagar

Partner 1/Institute name: Tatyasaheb Kore College of Pharmacy, Warananagar
Partner representative: **Dr. John I. Disouza**, Principal
Address: Warananagar, Tal. Panhala, Dist. Kolhapur
Telephone: 02328-223501, Fax: 223501, E-mail: johnsir4u@gmail.com

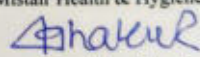
Partner 2/Industry name: Mistair Health & Hygiene Pvt Ltd., Shirol MIDC, Kolhapur
Partner representative: **Mr. Vinay Thakur**, Owner and Managing Director
Telephone: 0230-2468984, E-mail: vlthakur@mistair.net

Partner 2/Industry name: Mistair Health & Hygiene, Shirol MIDC, Kolhapur
Partner representative: **Mr. Tejas Thakur**, Director
Telephone: 0230-2468984, E-mail: tejasthakur@mistair.net

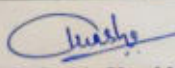

Dr. Vinayji Kore (Savkar)
Tatyasaheb Kore College of Pharmacy


Dr. John I. Disouza
Tatyasaheb Kore College of Pharmacy


Mr. Vinay Thakur
Mistair Health & Hygiene Pvt Ltd.


Mr. Tejas Thakur
Mistair Health & Hygiene Pvt Ltd.

MoU Facilitator:

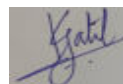

Mr. Sachin Kumbhoje
Head, Industry – Institute Partnership Cell, Tatyasaheb Kore College of Pharmacy, Warananagar



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Number of workshops/seminars/conference including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years age | 31/182

Year	2021-22	2020-21	2019-20	2018-19	2017-18
Number	12	04	04	--	01

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Academic Year 2021-22

Nanotechnology in Healthcare: Opportunities and Challenges



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 Dr. Madhur Kulkarni Secretary Associate Professor in Pharmaceutics SPP's India College of Pharmacy, Pune	 Dr. John Disouza Member Professor in Pharmaceutics & Principal Sriyashankaran College of Pharmacy, Kolhapur
 Dr. Pranav Shah Member Professor in Pharmaceutics & Pharmaceutical Technology, Warana Pharmacy College, Sion	 Dr. Anil Pethe Member Professor in Pharmaceutics & Associate Dean School of Pharmacy & Technology Management, SIKSP's NIRMAL, Hyderabad
 Dr. Sujata Sawarkar Co-opted Member Professor in Pharmaceutics, Dr. Bhamburda Nanotech College of Pharmacy, Mumbai	 Dr. Yogeshwar Bachhav Co-opted Member Assistant Director, Pharmaceutical Development, Alicia And Infectious Cases (AICM), Genitbay

From the President



Dr. Parizad Eichidana
President - CRS Indian Chapter
(2019-2021)

Hi friends, this is my second year in office as the President of Controlled Release Society Indian Chapter (CRS IC), and it is that time of the year when we host our International Symposium. On this occasion of the 19th International Symposium on 'Advances in Technology and Business Potential of New Drug Delivery Systems', which is being held as a virtual event, I am delighted to share with you the 12th edition of CRS IC Newsletter highlighting various diversified technologies in drug delivery and innovative practices.

The pharmaceutical industry is responsible for the research, development, production, and distribution of medications and has been at the forefront of the battle against COVID-19, whether it is development of diagnostic kits or prophylactic vaccines or treatment. Hence the Pharma market has continued to experience significant growth even during the current pandemic times.

The Indian pharmaceutical industry is the world's third largest drug producer by volume and the country's manufacturing units manufacture 60 percent of vaccines globally. We have proved to be the world's largest vaccine manufacturer & supplier at low cost and affordable rates. This talks volumes of our intellect and capabilities.

Side by side, advances are happening globally in the field of biotechnology, nanotechnology, 3D printing, personalized medicine, gene therapy etc., but the importance of patient oriented research continues to play a pivotal role, thus stressing more and more on the importance of drug delivery and translational research.

CRS IC continues to be dedicated to research in drug delivery and supports and promotes scientific innovation nurturing young talent. I urge you all to join the organization and help us expand the base.

I sincerely thank the contributors to this newsletter along with the editorial team, for their persistent effort in launching this noteworthy edition of the CRS IC Newsletter !!

Dr. Parizad Eichidana

T. G. Bhokare

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Bumbhar

Checked by

K. J. Patil

Approved by

P. S.

Authorized by



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



DEPARTMENT OF PHARMACEUTICS, INSTITUTE OF PHARMACY, NIRMA UNIVERSITY

In association with
CONTROLLED RELEASE SOCIETY INDIAN CHAPTER

organizes

**One Day National Webinar on
"NANOTECHNOLOGY IN HEALTHCARE:
OPPORTUNITIES AND CHALLENGES"**

October 28, 2021
[Thursday]

ORGANIZED BY
Department of Pharmaceutics
Institute of Pharmacy, Nirma University
S.G. Highway, Ahmedabad - 382481, Gujarat, India
Website: <https://pharmacy.nirmauni.ac.in/>
E-mail: CRSIC.Nirma@nirmauni.ac.in

AICTE Sponsored One Week Online Short-Term Training Program (STTP) on Induction of Novice Pharma Academicians

About College

Shree Warana Vibhag Shikshan Mandal (SWVSM, est. 1964) is educational revolution back to cooperative institutions; Incepted by Sahasrabudhe Shikshan Mandal's Shri. Tatyasaheb Kore to provide quality education to poor, deprived and deserving students. With the sprawling campus of 200 acres, the SWVSM houses K.G. to Ph.D. courses in basic and technical sciences.

About College

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Patrons

- Hon. MLA. Dr. Shri Vinayji Kore (Savkar) President, Warana Industrial & Educational Complex, Warananagar
- Hon. Prof. Anil Sahasrabudhe Chairman, AICTE, New Delhi
- Hon. Dr. Vasanti Rasam Administrative Officer, Shree Warana Vibhag Shikshan Mandal, Warananagar
- Hon. Prof. Col. B. Venkat Director, Faculty Development Cell, AICTE, New Delhi

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Coordinator
Dr. John I. Disouza
Principal, SWVSM's, Tatyasaheb Kore College of Pharmacy, Warananagar

Joint Coordinators
Mr. Vikram Potdar (9270649855)
Mr. Kiran Patil (7798884959)
Dr. Amol Sherikar (9881901262)

Local Organising Committee (LOC)
Dr. Arehalli Manjappa (9552826871)
Mrs. Shalaka Patki (9881446227)
Mr. Sandip Chavan (9421204929)
Mrs. Supriya Gaikwad (7709940727)
Mr. Popat Kumbhar (7770039731)
Mrs. Sayali Powar (8975890707)
Mr. Swapnil Chopade (9595382666)

AICTE Sponsored One Week Online Short Term Training Program (STTP) on Induction of Novice Pharma Academicians

Phase I : 22-11-2021 to 27-11-2021
Phase II : 29-11-2021 to 04-12-2021
Phase III : 06-12-2021 to 11-12-2021

No registration Fee

[Click here for Registration](#)

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Shree Warana Vibhag Shikshan Mandal's
**TATYASAHEB KORE COLLEGE OF PHARMACY,
WARANANAGAR**

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Tatyasaheb Kore College of Pharmacy,
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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Manuscript writing under AICTE Sponsored One Week Online Short Term Training Program (STTP) on Induction of Novice Pharma Academicians Page | 35/182

About us

Shree Warana Vibhag Shikshan Mandal (SWVSM, est. 1964) is education revolution backed by co-operative industries; incepted by Sahakar-maharshi Late Shri. Tatyasaheb Kore to provide quality education to poor, deprived and deserving students. With the sprawling campus of 200 acres, the SWVSM houses K.G. to Ph.D. courses in basic and technical sciences.

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Patrons

- Hon. MLA, Dr. Shri Vinayji Kore (Savkar) President, Warana Industrial & Educational Complex, Warananagar
- Hon. Prof. Anil Sahasrabudhe Chairman, AICTE, New Delhi
- Hon. Dr. Vasanti Rasam Administrative Officer, Shree Warana Vibhag Shikshan Mandal, Warananagar
- Hon. Prof. Col. B. Venkat Director, Faculty Development Cell, AICTE, New Delhi

Organising Committee

Coordinator
Dr. John I. Disouza
Principal,
SWVSM's, Tatyasaheb Kore College of Pharmacy, Warananagar

Joint Coordinators
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Mr. Popat Kumbhar (7770039731)
Mrs. Sayali Powar (8975890707)
Mr. Swapnil Chopade (9595382666)

AICTE Sponsored One Week Online SHORT TERM TRAINING PROGRAM (STTP) on Induction of Novice Pharma Academicians

Phase I : 22-11-2021 to 27-11-2021
Phase II : 29-11-2021 to 04-12-2021
Phase III : 06-12-2021 to 11-12-2021

No registration Fee

[Click here for Registration](#)

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AICTE-ISTE Sponsored One Week Online Induction/Refresher Program on Leveraging Academic Researchers on Developing Diagnostic Kits, Vaccines and Drug Product for Improved Therapy Management against Deadly Viruses: Lesson Learnt from COVID-19 Page | 36/182

About us

Shree Warana Vibhag Shikshan Mandal (SWVSM, est. 1964) is education revolution backed by co-operative industries; incepted by Sahakar-maharshi Late Shri. Tatyasaheb Kore to provide quality education to poor, deprived and deserving students. With the sprawling campus of 200 acres, the SWVSM houses K.G. to Ph.D. courses in basic and technical sciences.

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Chairman, AICTE, New Delhi

Hon. Dr. Pratapsinh Desai
President, ISTE, New Delhi

Hon. Dr. Vasanti Rasam
Administrative Officer, Shree Warana Vibhag Shikshan Mandal, Warananagar

Hon. Prof. Vijay D. Vaidya
Executive Secretary, ISTE, New Delhi

Hon. Prof. Col. B. Venkat
Director, Faculty Development Cell, AICTE, New

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AICTE-ISTE Sponsored One Week Online Induction/ Refresher Program on Leveraging Academic Researchers on Developing Diagnostic Kits, Vaccines and Drug Product for Improved Therapy Management Against Deadly Viruses: Lesson Learnt from COVID-19

13/12/2021 to 18/12/2021

No registration Fee

[Click here for Registration](#)

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One day National Seminar on Advances in Cancer Diagnostic and Therapeutics

CRS CONTROLLED RELEASE SOCIETY LOCAL CHAPTER

Controlled Release Society Indian Chapter

One Day National Seminar Advances in Cancer Diagnostics and Therapeutics
5th January, 2022; 4 pm onward

Organized By
SWVSM's, Tatyasaheb Kore College of Pharmacy, Warananagar

Speakers



Dr. Krutika K Sawant
Dean, Faculty of Pharmacy, Kalabhairav Campus,
The Maharaja Sayajirao University of Baroda

Topic: Theranostic Nanoparticles: Potential Role in Simultaneous Diagnosis and Treatment of Tumors



Dr. Swati Biswas
Asso. Professor, Department of Pharmacy,
Birla Institute of Technology & Science-Pilani,
Hyderabad

Topic: Hypoxia-reversing Combination Chemo-Photodynamic Therapy via Nanomedicines for Oropharyngeal Carcinoma

FREE

Watch on Youtube
<https://youtu.be/2-7TDOsLPaw>

Link to Join
<https://bit.ly/3eEarGh>

Executive Board

Prof. H. L. Bhalla Founder President	Dr. Parizad Elchidana President	Dr. Vandana Patravale Vice President	Dr. Madhur Kulkarni Secretary
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Organizing Committee

Dr. John Disouza Convener	Dr. Vandana Patravale Convener	Dr. Parizad Elchidana President
-------------------------------------	--	---

Email : tkcp.pc@unishivaji.ac.in Contact: +91- 7798885050 Website : <https://crsic.org>

T.K. Bhokare

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**Tatyasaheb Kore College of Pharmacy,
 Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Hands-on-Training: Development and stabilization methods for Nanoparticulate Drugs

Hands-on-Training: Development and Stabilization Methods for Nanoparticulate Drugs
 One Day Workshop Under Category of ACADEMIC EXTENSION AND RESEARCH,
 Under Lead College Scheme, Shivaji University, Kolhapur
 Wednesday, 9th March, 2022

Organized By
SWVSM's, Tatyasaheb Kore College of Pharmacy, Warananagar

FREE Registration

Who can participate?
 M. Pharm. Students & Ph.D. Scholars

Link for Registration
<https://bit.ly/nano-hands-on-training>

Technical Experts
 Expertise in the field of development of Nanoparticulate drugs and their stabilization

- To impart basic techniques and tools involved in the formulation development and stabilization of nanoparticulate drugs
- To inculcate research skills and create a future pool of researchers in Nano-pharmaceuticals
- To encourage and motivate PG Students and Ph.D. Scholars for availing the recent advances in the nanotechnology research
- To provide demonstration, practical knowledge, & troubleshooting through hands-on-training on the development of diverse nanoformulations and their stabilization

Email : workshop.tkcp@gmail.com
 Contact: Dr. Arehalli Manjappa (9552826871)
 Mr. Kiran Patil (7798884959)

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Rubicon's Life Skill Training



Session by: Gauri Salvekar

27-09-2019

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Academic Year 2020-21

Oral Delivery of Biologics



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 Dr. Vandana Patravale Vice President Professor of Pharmaceutics Institute of Chemical Technology, Mumbai	 Dr. Nayanabhirama Udupa Treasurer Associate Director IIM University (Warananagar) Warananagar, India
 Dr. Madhur Kulkarni Secretary Associate Professor in Pharmaceutics WVVM College of Pharmacy, Panhala	 Dr. John Disouza Member Professor in Pharmaceutics & Principal Tatyasaheb Kore College of Pharmacy, Warananagar
 Dr. Pranav Shah Member Professor in Pharmaceutics & Pharmaceutical Technology, Warananagar College, Warananagar	 Dr. Anil Pethe Member Professor in Pharmaceutics & Associate Dean School of Pharmacy & Technology Management, WVVM's WVMU, Warananagar
 Dr. Sejata Sawarkar Co-opted Member Professor in Pharmaceutics, Dr. Bhandarkar Narsinh College of Pharmacy, Warananagar	 Dr. Yogeshwar Bachhav Co-opted Member Associate Director, Pharmaceutical Development, Alkerm, And-Phoenix, Green Lane, Germany



From the President

Hi Friends, this is my second year in office as the President of Controlled Release Society Indian Chapter (CRS IC), and it is that time of the year when we host our International Symposium. On this occasion of the 13th International Symposium on 'Advances in Technology and Business Potential of New Drug Delivery Systems', which is being held as a virtual meet, I am delighted to share with you the 12th edition of CRS IC Newsletter highlighting various diversified technologies in drug delivery and innovative practices.

The pharmaceutical industry is responsible for the research, development, production, and distribution of medications and has been at the forefront of the battle against COVID 19, whether it is development of diagnostic kits or prophylactic vaccines or treatment. Hence the Pharma market has continued to experience significant growth even during the current pandemic times.

The Indian pharmaceutical industry is the world's third largest drug producer by volume and the country's manufacturing units manufacture 60 percent of vaccines globally. We have proved to be the world's largest vaccine manufacturer & supplier at low cost and affordable rates. This talks volumes of our intellect and capabilities.

Side by side, advances are happening globally in the field of biotechnology, nanotechnology, 3D printing, personalised medicine, gene therapy etc., but the importance of patient oriented research continues to play a pivotal role, thus stressing more and more on the importance of drug delivery and translational research.

CRS IC continues to be dedicated to research in drug delivery and supports and promotes scientific innovation nurturing young talent. I urge you all to join the organization and help us expand the base.

I sincerely thank the contributors to this newsletter along with the editorial team, for their persistent effort in launching this noteworthy edition of the CRS IC Newsletter !!

Dr. Parizad Elchidana

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Manufacturing, Characterization, and Applications of Monoclonal Antibodies

Greetings from Controlled Release Society-Indian Chapter (CRS-IC).



The mission of CRS-IC is to promote education, create awareness and to encourage scientific research towards the creation of intellectual wealth in the area of drug delivery systems in India. In an attempt to fulfil our mission, we have planned **A National Level Workshop on Manufacturing, Characterization and Applications of Monoclonal Antibodies** on Saturday, 10th October, 2020.

The recent years have seen phenomenal growth in the field of research and commercialization of monoclonal antibody based therapeutics. With the right confluence of Pharmacy and Biotechnology, this field is set to progress by leaps and bounds. The workshop is hence designed to provide insight into the development, manufacturing, and applications of monoclonal antibody based formulations.

Please find attached the flyer of the workshop and the link for registration.

https://docs.google.com/forms/d/e/1FAIpQLSe1UEQG_iutNm9KCYI9oteZoEGW4hBPRfo--aoqLxukdTWAbg/viewform?usp=pp_url

E-certificates shall be provided to the participants upon successful completion of the workshop.



CONTROLLED RELEASE SOCIETY INDIAN CHAPTER
ORGANIZES A NATIONAL LEVEL WORKSHOP ON

Manufacturing, Characterization & Applications of Monoclonal Antibodies

On Saturday, 10th October 2020 between 6.30 PM- 9.30 PM

Time	Speaker Details	Topic
6.30 PM- 7.30 PM	Dr. K. Rajeshwari Founder & Managing Director, Bioklone Biotech Pvt. Ltd., Chennai, India	Making of Human Monoclonal Antibodies
7.30 PM – 8.30 PM	Dr. Suneet Shukla Senior Pharmacologist US FDA	Basics of Monoclonal Antibodies Drug Development
8.30 PM- 9.30 PM	Dr. Sachin Dubey Deputy Director- Formulation & Analytical Development, Ichnos Sciences SA, Switzerland	Role of Antibodies Based Therapeutics in the Modern Healthcare System

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Advances in Technology and Business Potential of New Drug Delivery Systems



COMMITTEE MEMBERS CRS IC

	Dr. Parizad Elchidana President Principal School Graduate Pharm., ICJ, Mumbai, Mumbai
	Dr. Nayanabhirama Udapa Treasurer Assoc. Member IIT Bombay (Pharmaceutics) Mumbai India
	Dr. John Dsouza Member Professor in Pharmaceutics & Principal Tatyasaheb Kore College of Pharmacy, Kolhapur
	Dr. Anil Pethe Member Professor in Pharmaceutics & Associate Dean School of Pharmacy & Technology Management, IIT Bombay, Mumbai, India
	Dr. Yogeshwar Bachhav Co-opted Member Associate Director, Pharmaceutical Development, All Early-Phase Initiatives, Genentech, San Francisco

From the President

Hi Friends, this is my second year in office as the President of Controlled Release Society India Chapter (CRS IC), and it is that time of the year when we host our International Symposium. On the occasion of the 19th International Symposium on 'Advances in Technology and Business Potential of New Drug Delivery Systems', which is being held as a virtual event, I am delighted to share with you the 12th edition of CRS IC Newsletter highlighting various diversified technologies in drug delivery and innovative practices.

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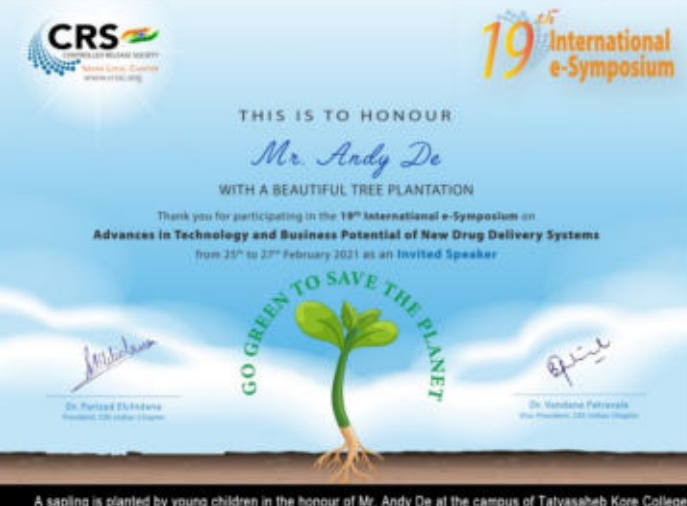
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Dr. Parizad Elchidana



CRS
 INTERNATIONAL SYMPOSIUM
 Advances in Technology and Business Potential of New Drug Delivery Systems
 www.ictic.org

19th International e-Symposium

THIS IS TO HONOUR
Mr. Andy De
 WITH A BEAUTIFUL TREE PLANTATION


Thank you for participating in the 19th International e-Symposium on
Advances in Technology and Business Potential of New Drug Delivery Systems
 from 25th to 27th February 2021 as an Invited Speaker

GO GREEN TO SAVE THE PLANET

Dr. Parizad Elchidana
 President, CRS India Chapter

Dr. Vandana Potrawale
 Vice President, CRS India Chapter

A sapling is planted by young children in the honour of Mr. Andy De at the campus of Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra 416113, India.



PLANTED IN YOUR HONOUR

NURTURING FOR A GREENER FUTURE

T. V. Bhal

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**AICTE-ISTE Sponsored One Week Online Induction/Refresher Programmes on
Fostering Pedagogy, Research Administration: Vital Domains for Effective Professional
Academic Career**

About College

Tatyasaheb Kore College of Pharmacy (TKCP), established in the year 2004 is one of the leading institutes of Western Maharashtra catering Diploma, Degree, PG & Ph.D. courses in Pharmacy; with the mission 'To excel in Professional Pharmacy Education through student centered learning, scholarly research and service to the society'. The college has state-of-the art facilities, dedicated human resource & all necessary amenities to translate students into leaders. We genuinely strive to multi-round development of all stakeholders of professional pharmacy education, including teachers and students. Conducting such programme is one noble step towards the goal.

Patrons

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President, Warana Industrial & Educational Complex, Warananagar
Hon. Prof. Anil Sahasrabudhe
Chairman, AICTE, New Delhi
Hon. Dr. Pratapsinh Desai
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Hon. Dr. Vasanti Rasam
Administrative Officer, Shree Warana Vibhag Shikshan Mandal, Warananagar
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Director, Faculty Development Cell, AICTE, New

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Dr. John I. Disouza
Principal, SWVSM's, Tatyasaheb Kore College of Pharmacy, Warananagar

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Dr. Amol Sherikar (9881901262)

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**AICTE - ISTE Sponsored
One Week online
Induction/ Refresher
Programmes on**

**FOSTERING PEDAGOGY, RESEARCH
ADMINISTRATION:
VITAL DOMAINS FOR EFFECTIVE
PROFESSIONAL ACADEMIC CAREER**

Phase I : 19/03/2021 to 25/03/2021
Phase II : 26/03/2021 to 01/04/2021
Phase III : 02/04/2021 to 08/04/2021

No registration Fee

[Click here for Registration](#)

Organized By
Shree Warana Vibhag Shikshan Mandal's
**TATYASAHEB KORE
COLLEGE OF PHARMACY,
WARNANAGAR**

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**AICTE - ISTE Sponsored One Week Online Induction/Refresher Programmes on
Organized by: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar**

**FOSTERING PEDAGOGY, RESEARCH, ADMINISTRATION:
VITAL DOMAINS FOR EFFECTIVE PROFESSIONAL ACADEMIC CAREER**

Phase I: 19/03/2021 to 25/03/2021		Phase II: 26/03/2021 to 01/04/2021		Phase III: 02/04/2021 to 08/04/2021	
Dr. Vinayk Bhat Associate Professor & Educational Consultant, Maharashtra	Prof. Dr. D. S. Yadav Former Vice-Chancellor & Emeritus Professor, University of U.S. South Carolina	Prof. Dr. Srinivasan Professor, AICTE, New Delhi	Dr. Prakash Desai Assistant, IIT, New Delhi	Prof. Dr. T. S. Briske Vice-Chancellor, Shree Krishna Education Trust, New Delhi	Prof. Vijay S. Vaidya Executive Secretary, IIT, New Delhi
Inaugural/Validatory Speech	Keynote Address/Inaugural Speech	Keynote Address/Inaugural Speech	Keynote Address/Inaugural Speech	Keynote Address/Inaugural Speech	Inaugural Speech
Dr. Vidya S. Patil Professor of Pharmacology, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. A. S. Pawar Professor of Chemistry, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Sankar Patil Professor of Pharmacy, Department of Clinical Sciences, IIT, Mumbai	Dr. Anand Chougale Senior Lecturer, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. S. S. Kadam Senior Lecturer, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Pratik Patil Senior Lecturer, Institute of Pharmaceutical Education & Research, Maharashtra
Research Culture and Ethics: Making Integrity	Research: Gateway, Evaluation and Impact	Process: Inter-Challenges and Opportunities	Design Thinking and Innovation	Benchmarking for Improving Performance in Accreditation Process	Academic Research: Fundamentals, Calculations
Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra
Creating an Effective Researcher	Learning with Operations to Pharmacy: From Theory to Practice	Case Validation, Research & Self - IPF Advantage	Customer Based Education: ICT and Current Teaching Pedagogy	Work and Health Management through Health	IPF 2020: Academic Challenge to Higher Education: Research to Regain Research
Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra	Dr. Anand Patil Associate Professor, Institute of Pharmaceutical Education & Research, Maharashtra
Teaching Paradigm for Effective Professional Academic Career					

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Academic Year 2019-20

Industrial Pharmacy-III

Page | 45/182



**Faculty Development Centre
Institute of Chemical Technology**

**Department of Pharmaceutical
Sciences, Technology
(Pune, Warananagar (East),
Maharashtra, India, Pin 416 113)**

**Scheme of
Pandit Madan Mohan Malaviya
National Mission on Teachers and
Teaching (PMMNMTT)
(MHRD, Govt. of India)**

Based on RUSA, Government of Maharashtra vision of Skill Development, Faculty Development Centre (FDC) called Centre for Education in Pharmaceutical Sciences, Technology and Management (CEPSTM) has been established at Institute of Chemical Technology, Mumbai under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) by MHRD, Government of India.

The main objective of this centre is to serve as the nodal agency for training pharmacy teachers in the field of industrial pharmacy, clinical data management and pharmaceutical management with respect to syllabus designed by RUSA, for the entire India.

Chief - Patron

Hon. Dr. Shri. Vinayji V. Kore (Savkar)
President, Warana Industrial & Educational Complex, Warananagar

Patron

Hon. Dr. Vasanti Rasam
Administrative Officer, Shree Warana Vibhag Shikshan Mandal, Warananagar

Organizing Committee

Conveners
Dr. John Disouza, Principal, TKCP
Prof. Vikas Telvekar, ICT, Mumbai

Coordinators
Mr. Kiran Patil (7798884959)
Dr. Arehalli Manjappa (9552826871)

Committee Members
Dr. Mahantesh Mattad
Mrs. Sunita Shinde
Mrs. Shalaka Patki
Mr. Popat Kumbhar
Mr. Pratik Maske
Mrs. Sayali Power
Mr. Swapnil Chopade
Mr. Pritesh Lole





Industrial Pharmacy-III
Faculty Development Programme

9th-19th December, 2019

Organized by



Faculty Development Centre
Institute of Chemical
Technology (ICT), Mumbai

Venue



Shree Warana Vibhag Shikshan Mandal's
**TATYASAHEB KORE
COLLEGE OF PHARMACY
WARANANAGAR**
Taluka Panhala, District Kolhapur,
Maharashtra, Pin Code: 416113

Contact

Dr. John I Disouza: 07798885050
Prof. Vikas N. Telvekar: 09869539929

No registration fees and free accommodation.

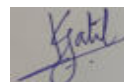
[Click here for Registration](http://bit.ly/FDP-ICT-TKCP)  <http://bit.ly/FDP-ICT-TKCP>



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Academic Year 2017-18

Pharma Entrepreneurs Conclave 2017

Pharma Entrepreneurs' Conclave 2017
Networking with Top-notch Pharma Entrepreneurs

ANNUAL ENTREPRENEURS' CONCLAVE
Thursday, 28th September 2017
INAUGURAL CEREMONY
In the auspicious presence of
Chief Guest
HON. DR. VINAYJI KORE (SAVKAR)
President, Warana Industrial & Educational Complex, Warananagar

Guest of Honor
HON. MRS. MANISHA PATIL
Assistant Commissioner- FDA, Kolhapur

Keynote Address
DR. VIJAY BAMBURKAR
Director- Ventures Development, Mumbai

BEST PHARMACIST AWARD
Entrepreneurs Conclave will bestow Distinguished Pharmacists with an Honour of 'BEST PHARMACIST AWARD' in recognition of their Outstanding Contribution in Social Welfare.

ENTREPRENEURS' FORUM
Panel Discussion with Top Pharma Entrepreneurs from Kolhapur, Sangli & Satara Districts

VINAY THAKUR
Mistair Health & Hygiene, Kolhapur

DILIP KADAM
Dipra Pharma, Kolhapur

DHANANJAY LAD
CROM Clinical Research

DILIP GUNE
SG Phyto Pharma, Kolhapur

VILAS KHIRE
Okasa Pharma Pvt Ltd, Satara

VIJAY PATIL
Jaybhavani Group, Sangli

TUSHAR LOHIA
Satara Pharma, Satara

SAMRAT MANE
Wellness Forever, Sangli

START-UP CONTEST

ADVERTISEMENT
ROLE PLAY

POSTER PRESENTATION
ESSAY COMPETITION

ORGANISED BY
Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY, WARANANAGAR
VENUE: VINAY KORE CULTURAL & SPORTS DEVELOPMENT CENTRE,
WARANA EDUCATIONAL COMPLEX, WARANANAGAR
Visit our website www.tkcpdwarana.org OR Contact 02328-223501 for more details

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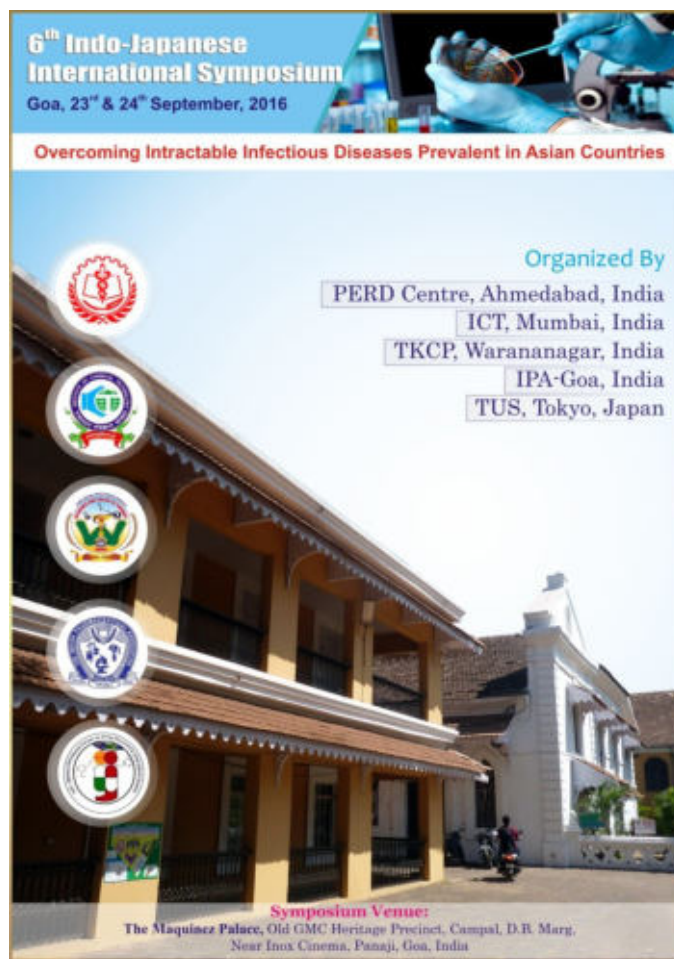


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**Conferences, Symposiums, etc organization on burning and essential research topic in
pharmaceutical Sciences**

6th Indo-Japanese Symposium on Burning Research topic Glimpses



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23-24/09/2016

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International Conference

**International Conference on
"Pharmaceutical Research:
Fundamentals & Advanced Trends"**
12th November, 2022

Organized By
SWVSM's
Tatyasaheb Kore College of Pharmacy,
Warananagar

In Association with
Indian Pharmaceutical Association,
Kolhapur Local Branch
Shivaji University Pharmacy
Principals Association

Speakers

 Dr. Kamal Dua Faculty of Health, Australian Research Centre in Complementary and Integrative Medicine, University of Technology Sydney, Ultara, Australia Topic: Nanoparticulate approaches in targeting lung	 Dr. Chukwuebuka Emmanuel Umeyor Post-doc Fellow (VSP group), ICT, Mumbai, India Topic: Repositioning miconazole nitrate for treatment of uncomplicated malaria	 Dr. Sachin Kumar Singh School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab, India Topic: QbD approach in the development of nanoparticulate systems
 Dr. Manish Bhatia Bharati Vidyapeeth College of Pharmacy, Kolhapur, MS, India Topic: Computational chemistry and drug development research	 Dr. Namdeo Jadhav Bharati Vidyapeeth College of Pharmacy, Kolhapur, MS, India Topic: Lipid-based drug delivery systems: Prospects and advances	

Registration Fee 600/- Rs
Registration Link
<https://bit.ly/Pharmaceutical-research>

Organizing Committee

Dr. John Disouza Convener	Dr. Vasanti Rasam Admin. Officer, SWVSM	Hon. Dr. Vinayji Kore (Savkarsaheb) President, SWVSM
Dr. A. S. Manjappa Co-ordinator	Mr. Popat Kumbhar Co-ordinator	Mr. Kiran Patil Co-ordinator

Email : workshop.tkcp@gmail.com Contact: +91-7770039731 Website : <http://www.tkcpwarana.ac.in>

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National Level Seminars on Softwares in Drug Discovery and Development



21-22/01/2014

Tatyasaheb Kore

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21-22/01/2014



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संशोधनासाठी संयुक्त प्रयत्नांची गरज : डॉ. पत्रावळे

वारणा फार्मसीच्या वतीने गोवा येथे जागतिक रोग व औषध संशोधन परिषद

वारणानगर : वार्ताहर

आशिया खंडातील संसर्गजन्य रोग आणि औषधे यावर अत्याधुनिक संशोधन करण्यासाठी जपान व भारताने संयुक्तपणे प्रयत्न करणे गरजेचे आहे, असे मत आय. सी. टी. च्या प्रमुख डॉ. वंदना पत्रावळे यांनी केले.

येथील तत्यासाहेब कोरे फार्मसी महाविद्यालयाच्या वतीने पणजी (गोवा) येथील मॅकानिज पॅलेसमध्ये 'आशिया खंडातील संसर्गजन्य रोग व औषध संशोधन' या विषयावर आंतरराष्ट्रीय परिषद नुकतीच झाली. यावेळी जगातील विविध देशांतील २५० शास्त्रज्ञ व संशोधक उपस्थित होते. या परिषदेचे उद्घाटन शास्त्रज्ञ व संशोधक हिरोशी तेराडा, सलीम वेलजी, अर्नत नाईक आणि वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील यांच्या हस्ते झाले.



पणजी : येथे झालेल्या औषध संशोधन आंतरराष्ट्रीय परिषदेचे उद्घाटन करताना वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील, प्राचार्य डॉ. जॉन डिसोजा व इतर.

स्वागत वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील यांनी केले. प्रास्ताविक आय. सी. टी. च्या प्रमुख डॉ. वंदना पत्रावळे यांनी करून आंतरराष्ट्रीय परिषदेचा हेतू विशद केला. परिषदेच्या सोविनिअरचे प्रकाशन हिरोशी तेराडा यांच्या हस्ते झाले. तत्यासाहेब कोरे फार्मसी कॉलेजचे प्राचार्य डॉ. जॉन डिसोजा यांनी

सहसंयोजकांची, प्रा. किरण पाटील यांनी गोपवारा पुस्तकाची जबाबदारी सांभाळली.

यावेळी घेण्यात आलेल्या पोस्टर सादरीकरणता पारेख डी (निरमा विद्यापीठ, अहमदाबाद), रोहित पवार आणि रौनक भूपतानी (दोषे-आय. सी. टी. मुंबई) यांनी अनुक्रमे क्रमांक पटकविले.

समारोपीय आढावा डॉ. मनीष निवसरकर यांनी व सूत्रसंचालन प्रा. इक्की तांबोळी आणि आभार प्राचार्या डॉ. जॉन डिसोजा यांनी मानले. वैज्ञानिक समितीची जबाबदारी डॉ. मजाप्पा यांनी पार पाडली. या परिषदेसाठी वारणा समूहाचे अध्यक्ष विनय कोरे व सचिव जी. डी. पाटील यांचे मार्गदर्शन व सहकार्य लाभले.

कोल्हापूर दिनांक पान २

तरुण भारत

गुरूवार, १० ऑक्टोबर २०१६

संसर्गजन्य रोग निर्मूलनासाठी शासनाचा सहभाग हवा

गोवा येथे इंडो-जापनीज आंतरराष्ट्रीय परिषदेतील सूर, वारणेच्या कोरे फार्मसी कॉलेजतर्फे आयोजन : २५० संशोधकांची उपस्थिती

प्रीतिपट्टी
वारणानगर

आशिया खंडातील संसर्गजन्य रोग व औषधे यावर अत्याधुनिक संशोधन करण्यासाठी जपान व भारताने संयुक्तपणे प्रयत्न करणे गरजेचे आहे, असे मत आय. सी. टी. च्या प्रमुख डॉ. वंदना पत्रावळे यांनी केले. येथील तत्यासाहेब कोरे फार्मसी महाविद्यालयाच्या वतीने पणजी (गोवा) येथील मॅकानिज पॅलेसमध्ये 'आशिया खंडातील संसर्गजन्य रोग व औषध संशोधन' या विषयावर आंतरराष्ट्रीय परिषद नुकतीच झाली. यावेळी जगातील विविध देशांतील २५० शास्त्रज्ञ व संशोधक उपस्थित होते. या परिषदेचे उद्घाटन शास्त्रज्ञ व संशोधक हिरोशी तेराडा, सलीम वेलजी, अर्नत नाईक आणि वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील यांच्या हस्ते झाले.



पणजी (गोवा) : येथे इंडो-जापनीज आंतरराष्ट्रीय परिषदेचे उद्घाटन करताना वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील, प्राचार्य डॉ. जॉन डिसोजा व इतर.

संसर्गजन्य रोगांवर अत्याधुनिक संशोधन करण्यासाठी जपान व भारताने संयुक्तपणे प्रयत्न करणे गरजेचे आहे, असे मत आय. सी. टी. च्या प्रमुख डॉ. वंदना पत्रावळे यांनी केले. येथील तत्यासाहेब कोरे फार्मसी महाविद्यालयाच्या वतीने पणजी (गोवा) येथील मॅकानिज पॅलेसमध्ये 'आशिया खंडातील संसर्गजन्य रोग व औषध संशोधन' या विषयावर आंतरराष्ट्रीय परिषद नुकतीच झाली. यावेळी जगातील विविध देशांतील २५० शास्त्रज्ञ व संशोधक उपस्थित होते. या परिषदेचे उद्घाटन शास्त्रज्ञ व संशोधक हिरोशी तेराडा, सलीम वेलजी, अर्नत नाईक आणि वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील यांच्या हस्ते झाले.

Tatyasaheb Kore

Dumbur

Khatil

PO



डिसोज़ा, पाटील यांची इंडो- जापनीज परिषदेसाठी निवड

सकाळ वृत्तसेवा

वारणानगर, ता. ९ : टोकियो (जपान) येथे १६ व १७ सप्टेंबरला होणाऱ्या 'आशियाई देशांमध्ये प्रचलित संसर्गजन्य रोगांवर मात करण्याबद्दलचे संशोधन' या विषयावरील 'पाचव्या इंडो-जापनीज आंतरराष्ट्रीय परिषदे'स प्रोबायोटिक्स या विषयावरील तज्ञ म्हणून भारतातल्या औषधनिर्माणशास्त्र विषयातील मोजक्या शास्त्रज्ञांबरोबर तात्यासाहेब कोरे फार्मसी कॉलेजचे प्राचार्य डॉ. जॉन डिसोज़ा यांना आमंत्रित केले आहे.

टोकियो येथे होणाऱ्या परिसंवादासाठी भारतातील व जपानमधील काही महत्त्वाच्या संशोधकांना आमंत्रित केले असून त्यामध्ये प्राचार्य डिसोज़ा हे 'प्रोबायोटिक्स जीवाणूंचा संसर्गजन्य रोगावरील प्रतिबंधाकरिता



वारणानगर : येथील तात्यासाहेब कोरे कॉलेज ऑफ फार्मसीचे प्राचार्य जॉन डिसोज़ा व प्रा. अभिनंदन पाटील यांची जपान परिषदेस निवड झाल्याबद्दल सत्कारप्रसंगी वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील, प्रशासकीय अधिकारी डॉ. उज्वला चौगले, डिप्लोमाचे प्राचार्य डॉ. सी. एम. जमखंडी, प्रा. संदीप चव्हाण आदी.

रोगप्रतिकारशक्तीवाढीस उपयोग' या विषयावर विचार मांडतील. तसेच या महाविद्यालयाचे प्रा. अभिनंदन पाटील यांचीही या परिषदेसाठी निवड झाली असून 'सूक्ष्म जीवांच्या प्रथिनेपासून रोगप्रतिबंधक उपाययोजना' या विषयावर ते आपले संशोधन सादर

करतील. शिवाजी विद्यापीठाच्या फार्मसी अभ्यासक्रम परिक्षेत्रातून अशा प्रकारच्या परदेशात होणाऱ्या परिषदेस वक्ता म्हणून आमंत्रित झालेले डॉ. डिसोज़ा आतापर्यंतचे पहिले प्राध्यापक आहेत. आमदार विनय कोरे व सचिव जी. डी. पाटील यांनी अभिनंदन केले.

2.9
Chokare

Dumbur

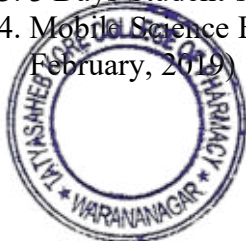
Katil

PO



List of activities organized by WSIAC in collaboration with SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar Page | 55/182

1. Elocution & Poster Presentation Competition on 'Population Explosion' the occasion of World Population Day, (20th July, 2018)
2. Breastfeeding Awareness Campaign on the occasion of World Breastfeeding Week (1st to 7th August, 2018)
3. Botanical Tour to Ramtirth Premier, Ajara (9th September, 2018)
4. Elocution and Essay Writing Competition on 'Eco-friendly Ganeshotsav' on the occasion of Ganesh festival (11th September, 2018)
5. Video Presentation and Quiz Competition on the occasion of World Space Week (6th October, 2018)
6. D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24th October, 2018)
7. Sky Gazing Programme in Collaboration with IUCAA, Pune (15th & 16th December, 2018)
8. Exhibition on 'World of Measurements' & Student's Workshop on 'Vedic Mathematics' on the occasion of World Mathematics Day (21st to 23rd December, 2018)
9. Child Rearing & Health Programme (11th January, 2019)
10. Poster Presentation Competition on 'Addiction & Cancer' on the occasion of World Cancer Day (6th February, 2019)
11. Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day (20th March, 2019)
12. Pharmacy Students Workshop on 'Foldscope: A Tool to Learn Pharmaceutical Microbiology' (5th April, 2019)
13. 3 Days Student's Workshop on 'Toys from Trash' (15th to 17th April, 2019)
14. Mobile Science Exhibition (18th July to 11th September, 2018 & 22nd November to 18th February, 2019)





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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Elocution & Poster Presentation Competition on 'Population Explosion' the occasion of World Population Day (20th July, 2018) Page | 56/182



T. G. Chokare

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P. P.

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Page | 57/182



**Registration
Deadline:
16th July, 2018**

**No Entry
Fees**



WSIAC's SCIENCE CLUB

(Affiliated to Vgyan Prasar NETwork of Science Clubs)
Club Unique Authentication No.: VP-MH0094
&
Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE
Warananagar
Jointly Organizes
Elocution Competition
(For School students)
Groups: 5th to 7th Standard, 8th to 10th Standard
(Maximum 1 entry from each group from each school)
Time allowed: 3 min ± 10 seconds
Language: Marathi or Hindi or English

Poster Presentation Competition

(For College students)
(Maximum 2 entries per college)
On the occasion of **World Population Day**, the elocution & poster presentation competition is organized on topic;
Population Explosion
Population Explosion
लोकसंख्येचा विळखा



:Venue:
Warana Science & Innovation Activity Centre, Warananagar

:Poster:
Tatyasaheb Kore College of Pharmacy, Warananagar

:Day & Date:
Friday, 20th July, 2018;
10.00 am onward

:Contact Person:
Pritesh Lole, 94217 70218
Popat Kumbhar, 77700 39731

P. Lole

Created by

P. Kumbhar

Checked by

P. Lole

Approved by

P. Lole

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**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



20-07-2018

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वनऔषधीची शोध सहल; दुर्मिळ वडाचे वटवृक्ष आढळले

आजरा (संभाजी जाधव) :

आजरा येथे रामतीर्थ परिसरात तैची - विविधतेने नटलेल्या आजरा मध्ये वसलीचा शास्त्रीय पध्दतीने आभ्यास करण्यासाठी व विद्यार्थी वाना आभ्यास वहाजा या उद्देशाने वनस्पती शास्त्रज्ञ डॉ. बापूळकर यांच्या मार्गदर्शनाखाली एक वर्षा सहल आयोजित केली होती.

आजरा महाविद्यालयमधील बॉटनी विषयाचे प्राध्यापक आणि विद्यार्थी होते. त्यांचा आजरा रामतीर्थ येथे ९० वनऔषधी ओळखले जाण्ये असले पुढे, मुद्द रेल, आजरा वेगवेगळ्या वनस्पती व त्यांचे गुणधर्म या विषयी माहिती दिली. या रामतीर्थ मध्ये परिसरात एक कोल्हापूर



खिनात दुर्मिळ असे वडाचे वटवृक्ष आढळले या वटवृक्षाला याच्या समुद्र त्वात फळारोवची या वटवृक्षात निवडी फळे लागतात. पानाचा आकार टोकदार असे. त्या वृक्षात वनस्पती शास्त्र



फायकस वैशुगिभ वृक्ष म्हणून संबोधलात असे डॉ. बापूळकर यांनी सांगितले.

आजरी आजरेकर या वटवृक्ष गुंफेने या सहलीचे नियोजन केले होते.

आलेल्या पाहुण्यांचे स्वागत डॉ. बापूळकरांचे स्वागत डॉ. अमित देशपांडे यांनी केले.

या सहलीला डॉ. डॉन डिमुझा, डॉ. अंजली देशपांडे, डॉ. सुरवीत पांडे, डॉ. अमिता डिमुझा, डॉ. दिनेश सातुकर, समीर देशपांडे (पत्रकार) सुधीर मुंब, सुरेश पाटी, अशोक सादने, प्रथमेश काणेकर, अश्विनेक रोडगी, डॉ. प्रविन निबाळकर सह हजरती या सहलीसाठी शीश्रम झेडले. अजरा अभिनेक रोडगी यांनी मानले.

Ty Chokare

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**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113




**Registration
Deadline:**
Saturday, 08th
Sept, 2018

No Entry
Fees



WSIAC's SCIENCE CLUB
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Club Unique Authentication No.: VP-MH0094
&
Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE
Warananagar
Jointly Organizes
Elocution & Essay Writing Competition
(For School and College students)
Groups: 5th to 7th standard, 8th to 10th Standard & College students
Time allowed for Elocution Competition: 5 min ± 10 seconds
Words Limit for Essay Writing Competition: 500 Words
Language: Marathi or Hindi or English
To create **Environmental Awareness** among the School & College students, on the occasion of **Ganesh Utsav**, the elocution & essay writing competition is organized on topic;

पर्यावरण पूरक गणेशोत्सव



-: VENUE :-
Warana Science & Innovation Activity Centre, Warananagar

-: DAY & DATE :-
Tuesday, 11th Sept, 2018;
10.00 am onward

-: CONTACT PERSON :-
S. S. Patil - 9423282658
S. H. More - 9970624387
P. S. Kumbhar - 77700 39731
P. D. Lole - 94217 70218

S.S. Patil

Created by

S.H. More

Checked by

P.S. Kumbhar

Approved by

P.D. Lole

Authorized by



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Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



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Video Presentation and Quiz Competition on the occasion of World Space Week
(6th October, 2018)



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PO

Authorized by



Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24th October, 2018)



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Sky Gazing Programme in Collaboration with IUCAA, Pune

WSIAC's SCIENCE CLUB
(Affiliated to Vigyan Prasara NETWORK of Science Clubs)
Club Unique Authentication No.: VP-MH0094
&
Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE
Warananagar
Jointly With
Inter-University Centre for Astronomy and Astrophysics, Pune
Organizes

Sky-Gazing Programme

SCHEDULE
09:00 PM TO 11:00 PM
Moon through the telescope
11:00 PM (15th Dec.) TO 00:30 AM (16th Dec.)
An introduction to night-sky
00:30 AM TO 01:30 AM
An introduction to the meteor shower
00:30 AM Onwards
Meteor shower watch

No Entry Fee

-: VENUE :-
Warana Science & Innovation Activity Centre, Warananagar

-: DAY & DATE :-
Saturday, 15th Dec. 2018,
9.00 PM Onwards

-: CONTACT PERSON :-
Prof. S. S. Patil – 94232 82658
Prof. S. H. More – 99706 24387
Prof. P. S. Kumbhar - 77700 39731
Prof. P. D. Lole - 94217 70218

Astronomy

S.S. Patil

Created by

S.H. More

Checked by

S.S. Patil

Approved by

P.D. Lole

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Tatyasaheb Kore College of Pharmacy,
Warananagar

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(15th & 16th December, 2018)



वारणा : सायन्स कॉलेज इन्स्टिट्यूटमध्ये वारणेत उल्का वर्षाव निरीक्षण कार्यशाळेस उदंड प्रतिसाद मिळाला. आयुका आदींची माहिती पुणे येथील सोनल थोरवे व महारुद्र मते यांनी आकाशगंगा, ग्रह याविषयी माहिती दिली.

वारणेत उल्का वर्षाव निरीक्षण कार्यशाळेस उदंड प्रतिसाद

वारणानगर : प्रतिनिधी
अवकाशात घडणाऱ्या
वेगवेगळ्या खगोलीय घटनांचा
अध्ययन करण्याच्या उद्देशाने वारणा
शिक्षण मंडळ संचलित वारणा
इंनोव्हेशन ऑक्टिव्हिटी
सेंटर वारणानगर आणि आयुका
पुणे संयुक्त विद्यमाने वारणा
परिसरात प्रथमच आयोजित केलेल्या
उल्का वर्षाव निरीक्षण कार्यशाळेस
आयुका महाविद्यालयीन विद्यार्थ्यांचा,
वारणा कॉलाचा उदंड प्रतिसाद मिळाला.
वारणा सहकारी उद्योग व शिक्षण
समूहाचे अध्यक्ष डॉ. विनय कोरे यांच्या
मार्गदर्शनाखाली ही कार्यशाळा वारणा
परिसरात प्रथमच आयोजित केली

होती. कार्यशाळेसाठी आयुका, पुणे
येथील सोनल थोरवे व महारुद्र मते
प्रमुख मार्गदर्शक म्हणून उपस्थित होते.
यावेळी थोरवे यांनी आकाशगंगा, ग्रह,
तारुणांच्या वेगवेगळ्या स्थितींविषयी
इत्थंभूत माहिती आणि विचारलेल्या
प्रश्नांची पूरक उत्तरे दिली. मंगळ आणि
चंद्र दर्शनाने सुरु झालेल्या कार्यशाळेत
२५० हून अधिक जणांनी मध्यरात्री
१२.३० नंतर पहाटे ३.०० पर्यंत
उल्का वर्षावाचे निरीक्षण केले. या
कार्यशाळेच्या यशस्वी नियोजनाबद्दल
संस्थेच्या प्रशासकीय अधिकारी डॉ.
वासंती रामम यांनी प्रिन्सिपल को-
ऑर्डिनेटर डॉ. जॉन डिसोझा आणि
संपूर्ण टीमचे अभिनंदन केले.



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Last Date of Registration for Workshop
21st Dec. 2018
No Entry Fees

-: VENUE :-
Warana Science & Innovation Activity Centre, Warananagar

-: DAY & DATE :-
Exhibition
10.00 AM - 5.00 PM
21st - 23rd December;

Student's Workshop
8.30 AM - 12.00 PM
22nd December, 2018

-: CONTACT PERSON :-
Prof. S. S. Patil - 94232 82658
Prof. S. H. More - 99706 24387
Prof. P. S. Kumbhar - 77700 39731
Prof. P. D. Lole - 94217 70218

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Shree Warana Vibhag Shikshan Mandal's
WARANA SCIENCE & INNOVATION ACTIVITY CENTRE
Warananagar
Organizes
Exhibition

World of Measurements

For finding the answers of questions like...

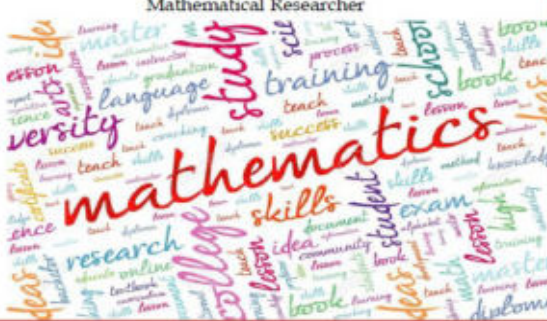
How to measure the **Diameter of Earth..**
How **Mounds of Carla Bitter..**
How to measure **Happiness & Sadness..**
How to measure the **Depth of Ocean..**
Etc...
&
Student's Workshop

Vedic Mathematics

An easy-to-understand mathematical alternative...
(For 7th to 10th Std. Students)

Resource Person

Mr. Deepak M. Shete
Mathematical Researcher



(21st to 23rd

December, 2018)

S.S. Patil

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P. S. Kumbhar

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Child Rearing & Health Programme (11th January, 2019)



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सकाळ



वारणानगर : येथील पोस्टर प्रेझेंटेशन स्पर्धेतील विजेत्यांसोबत प्राचार्य डॉ. बी. एम. घाटगे, डॉ. जॉन डिसोजा, प्रा. ए. एस. शेरीकर, प्रा. व्ही. एच. पोतदार.

वारणेत पोस्टर प्रेझेंटेशन स्पर्धा

परिसरातील आठ महाविद्यालयांचा सहभाग

सकाळ वृत्तसेवा

वारणानगर, ता. १० : येथील वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर आणि डब्ल्यूएसआयएसी सायन्स क्लबतर्फे पोस्टर प्रेझेंटेशन स्पर्धेत अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी आष्टाच्या आफरीन जमादार, सैक्यु मुलाणी, वाय. डी. माने इन्स्टिट्यूट कागलच्या वैष्णवी माने, प्रावक्ता पाटील, भारती विद्यापीठ कोल्हापूरच्या सुनील कोळी यांनी अनुक्रमे १, २, ३, ४, ५, ६, ७, ८, ९, १०, ११, १२, १३, १४, १५, १६ संघांनी सहभाग घेतला. डॉ. जॉन डिसोजा म्हणाले, 'तरुण विद्वानां सागररुक्ता निर्माण

करण्याच्या उद्देशाने व्यसनाधीनता आणि कर्करोग या विषयांवरील पोस्टर प्रेझेंटेशन स्पर्धेचे आयोजन केल्याचे त्यांनी सांगितले. सहभागी विद्यार्थ्यांनी जगातील कर्करोगग्रस्त रुग्णांची संख्या, कर्करोग होण्यामागची कारणे, कर्करोगची लक्षणे, त्यावरील उपाय याची उत्तम मांडणी करून बनवलेले पोस्टरसंचे सर्वासमोर सादरीकरण केले.' पारितोषिक वितरण प्राचार्य डॉ. बी. एम. घाटगे यांच्या हस्ते झाले. प्रा. ए. एस. शेरीकर, प्रा. व्ही. एच. पोतदार यांनी परीक्षक म्हणून काम पाहिले. माजी मंत्री विनय कोरे, डॉ. वासंती रासम यांचे मार्गदर्शन लाभले. श्री. लोले यांनी सूत्रसंचालन केले. श्री. कुंभार यांनी आभार मानले.

Kolhapur, Main
11/02/2019 Page No. 4

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Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day
(20th March, 2019)



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Pharmacy Student's Workshop on 'Foldscope: A Tool to Learn Pharmaceutical Microbiology' (5th April, 2019)



Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre
(Project Aided by RGSTC, Govt. of Maharashtra)
Jointly with
WSIAC's Science Club, WARANANAGAR
(Affiliated to Vigyan Prasar NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)



Organizes
1 Day Pharmacy Student's Workshop
Foldscope:
A Tool to Learn
Pharmaceutical Microbiology
on Friday, 5th April 2019 09.30 AM onwards



Objectives of the Workshop
Foldscope is the ultra-affordable, portable, durable, paper microscope; designed to give optical quality similar to conventional research microscopes. The mission to develop foldscope is to globally expand access to microbial world. The workshop aims to give hands-on training to use the foldscope as research and educational tool.

President of the Function
Hon'ble Dr. Shri. Vinayraoji Kore (Savkar)
President,
Warana Co-op. Industrial & Educational Complex, Warananagar

Guest Speaker
Hon'ble Dr. Praveen Rahi
Scientist-C,
National Centre for Microbiological Resources,
National Centre for Cell Science, Pune

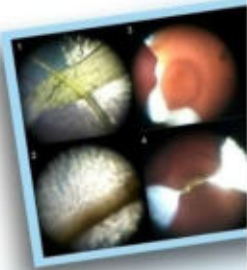
In presence of
Hon'ble Dr. Vasanti Rasam
Administrative Officer,
Shree Warana Vibhag Shikshan Mandal, Warananagar

Organized by
Dr. John Disouza
Principal Coordinator

Prof. S. S. Patil **Prof. S. H. More** **Prof. P. S. Kumbhar** **Prof. P. D. Lole**
Scientific Officer Scientific Officer Scientific Officer Scientific Officer

Warana Science & Innovation Activity Centre, Warananagar

VENUE Tatyasaheb Kore College of Pharmacy, Warananagar,
Tal: Panhala, Dist: Kolhapur, Maharashtra - 416113



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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Mobile Science Exhibition (MSE)



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लोकमत



नेहरू सायन्स सेंटर मुंबई आणि वारणा सायन्स अँड इन्व्हेस्टमॅन्ट अॅक्टिव्हिटी सेंटरच्या माध्यमांमधून मोबाईल सायन्स एक्झिबिशन (वॅन) साखळ्याखाले पोहोचत असून, वॅन पाहण्यासाठी शिकारी मोठ्या संख्येने गर्दी करीत आहेत.

**मोबाईल सायन्स
एक्झिबिशनला प्रतिसाद**

लोकमत न्यूज नेटवर्क

वारणासमूह : वारणा अर्थात परिसरातून भविष्यातील शास्त्रज्ञ घडविण्यासाठी तसेच कुलीन विज्ञान-तंत्रज्ञानाचे धडे गिरविण्याच्या उद्देशाने राजीव गांधी सायन्स अँड टेक्नॉलॉजी, नेहरू सायन्स सेंटर मुंबई आणि वारणा सायन्स अँड इन्व्हेस्टमॅन्ट अॅक्टिव्हिटी सेंटरच्या माध्यमातून निम्नशास्त्रीय विविध तालुक्यातील शाळा-शाळांत विद्यार्थ्यांपर्यंत मोबाईल सायन्स एक्झिबिशन (वॅन) पोहोचवत असून, ती पाहण्यासाठी शिकारी मोठ्या संख्येने गर्दी करीत आहेत. आजपर्यंत ३० हजारा विद्यार्थ्यांनी सहभाग नोंदविला.

या प्रदर्शनात न्यूटन्स लॉ ऑफ मोशन, धारुपंचांगीय दृष्ये, बल, गुरुत्त्व, घर्षण, प्रकाशाचे गुणधर्म, पालिका आणि सध्याचे परिपथ

यासारख्या बऱ्याच संकल्पना उक्तरणांच्या माध्यमातून सर्वांसमोद पाहिल्या जात आहेत. तसेच विद्यार्थ्यांच्या सहभागाने वेगवेगळे वैज्ञानिक उपकरणे केले जात आहेत.

अज्ञातपर्वत पन्हाळा, साहूवाडी, शिराळा, हातकणगेले, शिरोळ तालुक्यांतील ५० शाळांतील ३० हजारांहून अधिक विद्यार्थी आणि शिक्षकांनी या वॅनचा लाभ घेतला असून, वेग्या कडी रियलटा कॉन्सल्टर मिनाहाच्या उर्बेति सर्व तालुक्यांतील प्रमुख शाळांमध्ये ती उपलब्ध केली जात आहे.

वॅनचा लाभ वारणीत जास्त विद्यार्थ्यांनी घेऊन आल्याने वैज्ञानिक संकल्पनांचा चालना द्यावी, असे आवाहन वारणा सायन्स अँड इन्व्हेस्टमॅन्ट अॅक्टिव्हिटी सेंटरचे प्रिन्सिपल को-अॅक्टिव्हिटी डॉ. जति डिगोड्या घाली केले आहे.

Hello Kolhapur
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18-02-2019

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अनिल काकोडकर : वारणानगर येथे मोबाईल सायन्स एक्झिबिशनचे प्रकाशन

भारत तंत्रज्ञानात बलाढ्य होईल

लोकमत न्यूज नेटवर्क

वारणानगर : प्रत्येकाने वैज्ञानिक दृष्टिकोन डोळ्यांसमोर ठेवून नवनवीन तंत्रज्ञान आत्मसात करायला पाहिजे. आपला देश आज सर्व यानुंनी भक्कम असून अत्याधुनिक चांगली यंत्रसामग्री, शस्त्रे तोडीसतोड आहेत. वैज्ञानिक दृष्टिकोन, तंत्रज्ञान निर्मिती, मनुष्यबळ निर्माण या गोष्टी अमलात आणल्यास भारत तंत्रज्ञानात बलाढ्य देश म्हणून पुढे येईल, असे प्रतिपादन राजीव गांधी सायन्स अँड टेक्नॉलॉजी विभागाचे अध्यक्ष व ज्येष्ठ अभियंता अनिल काकोडकर यांनी म्हणले. अध्यक्षस्थानी वारणा सायन्स सेंटरचे संचालक डॉ. अरुण सप्रे (जन्म-काश्मीर (पुलवामा) जिल्हा) आणि वारणा सायन्स सेंटरचे संचालक डॉ. विनय कोरे हे होते. यावेळी डॉ. अरुण सप्रे, डॉ. वासंती रासम, डॉ. शिवप्रसाद खेनीड, प्राचार्य डॉ. जॉन डिसोझा, आर्वी उपस्थित होते.



वारणानगर येथे सोमवारी वारणा सायन्स व नेहरू सायन्स सेंटर मुंबई यांच्यावतीने आयोजित समारंभात 'मोबाईल सायन्स एक्झिबिशन' या पुस्तकाचे प्रकाशन अणुशास्त्रज्ञ डॉ. अनिल काकोडकर व डॉ. विनय कोरे यांच्या हस्ते झाले. यावेळी डॉ. अरुण सप्रे, डॉ. वासंती रासम, डॉ. शिवप्रसाद खेनीड, प्राचार्य डॉ. जॉन डिसोझा, आर्वी उपस्थित होते.

यावेळी डॉ. अरुण सप्रे, डॉ. वासंती रासम यांनी या पुस्तकाचे प्रकाशन काकोडकर यांच्या हस्ते केले. अध्यक्षस्थानी वारणा सायन्स सेंटरचे संचालक डॉ. अरुण सप्रे, डॉ. वासंती रासम, डॉ. शिवप्रसाद खेनीड, प्राचार्य डॉ. जॉन डिसोझा यांनी नेहरू सायन्स सेंटर व वारणा सायन्स सेंटरच्या कार्याची माहिती दिली.

मंडळाच्या प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी पाहुण्यांचे स्वागत केले. प्रास्ताविकात प्राचार्य डॉ. जॉन डिसोझा यांनी नेहरू सायन्स सेंटर व वारणा सायन्स सेंटरच्या कार्याची माहिती दिली.

सायन्स सेंटरच्या मोबाईल व्हॅन उपक्रमास जिल्ह्यात मोठा प्रतिसाद मिळाला. शालेयस्तरावर विज्ञानाची आवड निर्माण व्हावी यासाठी नेहरू सायन्स सेंटरचा उपक्रम महत्वपूर्ण ठरला आहे. विद्यार्थी-युवापिढीने विज्ञानाबद्दलची इच्छाशक्ती ठेवावी.

सायन्स मोबाईल व्हॅन राहतबरोबरच ग्रामीण खेड्या-पाड्यात पोहोचली आहे. शालेय स्तरावर मुलांना विज्ञानाची तंत्रज्ञानाची गोडी लागवची यासाठी ही व्हॅन मावोमावी जात आहे. एक लाखहून विद्यार्थ्यांनी या सायन्स व्हॅनला भेट दिली आहे.

त्याचा फायदा येणाऱ्या काळामध्ये निश्चितच होईल अशी अपेक्षाही कोरे यांनी व्यक्त केली.

यावेळी नेहरू सायन्सचे संचालक डॉ. शिवप्रसाद खेनीड, सदस्य सचिव डॉ. अरुण सप्रे, सदस्य उमेशकुमार, विनोद सोनवणे, संजय पांचाळ, संजय महाकाल आदी उपस्थित होते. प्रा. मार्क मोनिस व प्रा. शिल्पा पाटील यांनी सूत्रसंचालन केले तर प्राचार्य डॉ. जॉन डिसोझा यांनी आभार मानले.

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Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

1. Yoga Practice on the occasion of International day of Yoga (Friday, 21 June, 2019)
2. Guest lecture on 'दक्षिणायनारंभ' (Saturday, 22 June, 2019)
3. Radio Broadcasting on 'विज्ञानजगत-औषधसाक्षरता' (Sunday, 16 June, to Thursday, 4 July, 2019)
4. Elocution & Poster Presentation Competition on 'Population Explosion' (Wednesday, 10 July, 2019)
5. Skit Competition on 'Drug Abuse and Our Health' (Saturday, 13 July, 2019)
6. Teacher's Framing Workshop on 'Concepts in Physics and Mathematics' in collaboration with Vigyan Vahini (Monday, 22 July, 2019)
7. 'Health Check-up Camp' and 'Disinfection Process' in flood affected area (Thursday 8 to Saturday 17 August, 2019)
8. Poster Presentation, Essay Writing & T-Shirt Painting Competition on 'Safe & Effective Medicine for all' (Wednesday, 25 September, 2019)
9. Poster Presentation Competition on 'Aero Satellite' in Collaboration with Space Development Nexus (Saturday, 12 October, 2019)
10. Maths Model Exhibition on 'Fun Fair in Mathematics-2019' (Thursday, 26 December, 2019)
11. One Act Play on 'Einstein – SapekshataSangnara Manus' (Tuesday, 28 January, 2020)
12. SDNx Abdul Kalam National Space Competition in Collaboration with Space Development Nexus (Saturday, 8 February, 2020)
13. Public Talk on 'आपलेवृक्ष... आपलीसंस्कृती...' (Monday, 24 February, 2020)
14. 'शनिवारीविज्ञानवारी' in collaboration with Marathi Vidnyan Parishad, Mumbai (Monday, 16 September, 2019 to Saturday, 7 March, 2020)

Page | 78/182

Yoga Practice on the occasion of International day of Yoga
(Friday, 21 June, 2019)



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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



Guest lecture on 'दक्षिणायनारंभ'
(Saturday, 22 June, 2019)



Radio broadcasting on 'विज्ञानजगत – औषधसाक्षरता'
(Sunday, 16 June to Thursday, 4 July, 2019)



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Page | 80/182



आकाशवाणी कोल्हापूर केंद्र
102.7 मेगा हर्ट्झ

विज्ञान जगत

औषध साक्षरता याविषयी प्राचार्य डॉ.
जॉन डिसूझा यांनी दिलेली माहिती

16 जून पासून दररोज सकाळी
8.40 वाजता

Elocution & Poster Presentation Competition on
'Population Explosion' (Wednesday, 10 July, 2019)



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Warananagar**

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Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre
(Project Aided by RGSTC, Govt. of Maharashtra)
Jointly with
WSIAC's Science Club, WARANANAGAR
(Affiliated to Vigyan Prasara NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)

On the occasion of **World Population Day**, the Elocution & Poster Presentation competition is organized on topic;

No Entry fees **Registration Deadline: 6th July, 2019**

Population Explosion
“ लोकसंख्येचा विळखा ”

Elocution Competition

- (For School Students)
- Groups: 5th to 7th Standard, 8th to 10th Standard
- (Maximum 2 entries for each group from each school)
- Time allowed: 5 min ± 10 seconds
- Language: Marathi or Hindi or English
- Do not mention and reveal students and school name

VENUE → Warana Science & Innovation Activity Centre, Warananagar

Poster Presentation

- (For College Students)
- (Maximum 2 entries per college)
- Size 1 meter X 1 meter
- Handmade or Flex posters are acceptable
- Do not mention and reveal students and college name

VENUE → Tatyasaheb Kore College of Pharmacy, Warananagar

Day & Date **Wednesday, 10th July 2019;
10.00 am onward**

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

Skit Competition on 'Drug Abuse and Our Health'

(Saturday, 13 July, 2019)

S. S. Patil

Created by

S. H. More

Checked by

P. S. Kumbhar

Approved by

P. D. Lole

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Jointly with
WSIAC's Science Club, WARANANAGAR
(Affiliated to Vigran Prasar NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)

**SKIT
COMPETITION**

No Entry fees / Registration Deadline: 9th July, 2019

With the aim of creating awareness among college students about
Adverse Effect of the Drug Abuse on Health, the skit competition is
organized on topic;

**“Drug Abuse &
Our Health”**

**“अमली पदार्थ आणि
आपले आरोग्य”**

Rules

- Language – Marathi or Hindi or English
- The team participating in the skit should have minimum 5 and maximum 8 members with college identity proof.
- The teams will be allowed a maximum time of 5 minutes to prepare the stage and 10 minutes to perform.
- The competition will be judged on the basis of the script, facial expressions/ body language and creative use of props, stage mannerism, co-ordination, voice modulation and overall performance.

**Venue: Tatyasaheb Kore
College of Pharmacy, Warananagar**

**Day & Date: Saturday 13th July, 2019;
10.00 am onward**

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

T. S. Chokare

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Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



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**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Teacher's Training Workshop on 'Concepts in Physics and Mathematics' in collaboration
with Vigyan Vahini (Monday, 22 July, 2019)

Page | 84/182

Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre
(Project Aided by RGSTC, Govt. of Maharashtra)
Jointly with
WSIAC's Science Club, WARANANAGAR
(Affiliated to Vigyan Prasar Network of Science Clubs; Club Unique Authentication No.: VP-MH0094)

Jointly Organizes
**Teacher's Training Workshop
On
Concepts in**

Physics
Mr. S. N. Godase
President,
Vidyanvahini
Content:
Light and Sound

Mathematics
Mrs. S. A. Pise
Senior Teaching Associate,
(MSER), Pune
Content:
Probability and Statistics

To improve
teaching- learning process
of secondary school teacher's,
hands-on activity workshop is organized for
updated syllabus of Physics and Mathematics

Limited Seats only

Last Date of Registration: 19th July, 2019

Note: Writing Material, Lunch, T.A., D.A.
will not be provided.

Day & Date: Monday 22nd July, 2019;
10.00 am onward
**VENUE: WARANA SCIENCE & INNOVATION
ACTIVITY CENTRE, WARANANAGAR**

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

S. S. Patil

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S. H. More

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S. Patil

Approved by

P. D. Lole

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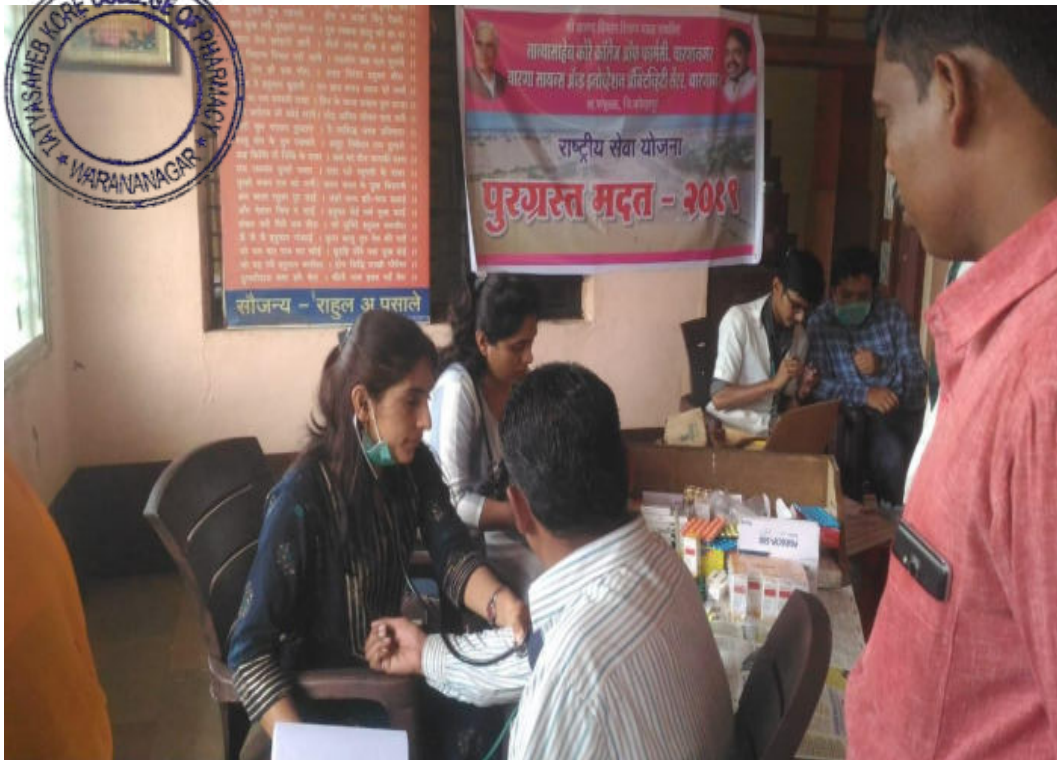
**Shree Warana Vibhag Shikshan Mandal's
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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



'Health Check-up Camp' and 'Disinfection Process'

in flood affected area (Thursday 8 to Saturday 17 August, 2019)



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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Poster Presentation, Essay Writing & T-shirt Painting Competition on 'Safe & Effective
Medicine for all' (Wednesday, 25 September, 2019)

Page | 86/182



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सकाळ



वारणानगर : तात्यासाहेब कोरे औषधनिर्माणशास्त्र महाविद्यालय व वारणा विज्ञान केंद्राच्या फार्मासिस्ट डे प्रसंगी शिक्षक व विद्यार्थी आदी.

रुग्णाभिमुख संशोधनाची गरज : डॉ. डिसोज़ा

कोरे फार्मसी कॉलेजमध्ये 'वर्ल्ड फार्मासिस्ट डे' साजरा

वारणानगर, ता. ४ : रुग्णाभिमुख संशोधन हीच काळाची गरज असून, केवळ व्यावसायिक नफा न पाहता व्यावसायिक नीतिमत्ता पाळून, आरोग्य संवर्धनातील महत्त्वपूर्ण घटकांची जबाबदारी पार पाडावी. विद्यार्थ्यांनी औषध व्यावसायिक संशोधन व्हावे, यासाठी प्रामाणिक प्रयत्न करावे, असे आवाहन प्राचार्य डॉ. जॉन डिसोज़ा यांनी येथे केले.

तात्यासाहेब कोरे औषधनिर्माणशास्त्र महाविद्यालय व वारणा विज्ञान केंद्र यांच्या संयुक्त विद्यमानाने 'वर्ल्ड फार्मासिस्ट डे' साजरा करण्यात आला. यावेळी ते बोलत होते. यावेळी पदविका महाविद्यालयाचे प्राचार्य डॉ. सी. एम. जमखंडी उपस्थित होते.

महाविद्यालयात विविध स्पर्धांचे आयोजन करण्यात आले. सुरक्षित आणि परिणामकारक औषधे या

विषयावर विद्यार्थ्यांनी भितीपत्रके, निबंध व टी शर्ट डिझाईन स्पर्धेमध्ये सहभाग नोंदविला. परीक्षक म्हणून डॉ. ए. एस. मंजाप्पा, प्रा. एस. सी. बुर्ली, प्रा. मयुरेश शिंदे, प्रा. किरण पाटील, प्रा. सुनीता शिंदे, प्रा. जया कांबळे यांनी काम पहिले.

भितीपत्रके स्पर्धेमध्ये यश मिळवलेले विद्यार्थी अनुक्रमे दीपाली पाटील, राजनंदिनी पाटील व टी शर्ट धेंमध्ये यश मिळवलेले विद्यार्थी नझीम मुल्लाणी व अमोल वसावे तसेच निबंध स्पर्धेमध्ये यश मिळवलेले विद्यार्थी राजनंदिनी पाटील, शेजल भोसले हे आहेत. प्रा. सुप्रिया गायकवाड, प्रा. सायली पोवार, प्रा. शलाका पत्की, प्रा. वृंदा खानविलकर, प्रा. प्रतिक मस्के, प्रा. स्वप्नील चोपडे, प्रा. पोपट कुंभार, प्रा. प्रितेश लोले यांनी परिश्रम घेतले. राजनंदिनी पाटील हिने सूत्रसंचालन केले.

Kolhapur, Kolhapur-Today
05/10/2019 Page No. 6

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Poster Presentation Competition on 'Aero Satellite' in collaboration with Space
Development Nexus (Saturday, 12 October, 2019)

Page | 88/182



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Maths Model Exhibition on 'Fun-Fair in Mathematics-2019'
(Thursday, 26 December, 2019)

Page | 89/182



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One Act Play on 'Einstein – SapekshataSangnara Manus'
(Tuesday, 28 January, 2020)

Page | 90/182

प्रयोग हौशी नाट्य कला केंद्र निर्मित..

आइन्स्टाईन

सापेक्षता सांगणारा माणूस

लेखक
डॉ. शरद नावरे

दिग्दर्शक आणि भूमिका
डॉ. शरद भुथाडिया

आयोजक
श्री वारणा विभाग शिक्षण मंडळ संचालित
वारणा सायन्स अँड इनोव्हेशन
अॅक्टिव्हिटी सेंटर, वारणानगर
स्थळ: तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी,
वारणानगर चे सभागृहमध्ये

मंगळवार,
२८ जानेवारी २०२०
वेळ: स. ११.०० वा

Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre
(Project Aided by RGSTC, Govt. of Maharashtra)
Jointly with
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(Affiliated to Vigyan Prasat NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)

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सकाळ

वारणा सायन्स सेंटरतर्फे एकपात्री नाट्यप्रयोग

वारणानगर, ता. ३० :
सैद्धांतिक भौतिकशास्त्र अल्बर्ट
आईन्स्टाईन यांनी मांडलेला
सापेक्षता वादाचा सिद्धांत,
प्रकाशीय विद्युत परिणाम,
पुंजभौतिकी, विश्वशास्त्र,
विश्वरचना शास्त्र आणि सामान्य
सापेक्षता म्हणून जगत असावना
जीवनात आलेले अनेक बदल
उत्तार यांची उत्तम सांगणारे अफलेले
'आईन्स्टाईन - सापेक्षता सांगणारा
माणूस' या एकपात्री नाट्य प्रयोगाचे
आयोजन वारणा विभाग शिक्षण
मंडळ संचालित वारणा सायन्स
अँड इन्व्हेस्ट्रान अँकिटिव्हिटी

सेंटरमार्फत करण्यात आले होते.
मूळ लेखक प्रिन्सिपल इर्मिन्युएल
यांनी लिहिलेल्या नाटकाचा मराठीत
अनुवाद डॉ. शरद नायरे यांनी केला
असून, दिग्दर्शक आणि अभिनेत्याची
भूमिका डॉ. शरद चुथाडिया यांनी
साकारली आहे.

या प्रयोगात अल्बर्ट आईन्स्टाईन
यांनी मांडलेला काळ आणि गतीचा
संबंध, कर्णपटलावर पडणाऱ्या हवेचा
दाब, आवाजाची हवेतील स्थलांतराची
गती, वक्राकार अवकाशातून ग्रहांची
सूर्यभोक्ती क्रियेची दिशा आणि
गती या संकल्पनांचे विश्लेषण केले.
या नाट्य प्रयोगाचा आनंद वारणा

शिक्षण समूहातील विद्यार्थ्यांनी घेतला.
आपल्या दैनंदिन जीवनात घडणाऱ्या
घटनांमार्फत वैज्ञानिक दृष्टिकोन
विद्यार्थ्यांमध्ये रुजवण्यासाठी वारणा
सायन्स अँड इन्व्हेस्ट्रान अँकिटिव्हिटी
सेंटरमार्फत आयोजित केल्या
जाणाऱ्या नावीन्यपूर्ण उपक्रमाबद्दल
वारणा सहकारी विश्विध उद्योग आणि
शिक्षण समूहाचे अध्यक्ष आमदार डॉ.
विनय कोरे यांनी समाधान व्यक्त केले.
या उपक्रमाच्या फारसवी
आयोजनाबद्दल प्रशासकीय अधिकारी
डॉ. वासंती रावम यांनी प्रिन्सिपल
कोर्डिनेटर डॉ. जॉन डियोडा आणि
संपूर्ण टीमचे अभिनंदन केले.



वारणानगर : 'आईन्स्टाईन : सापेक्षता सांगणारा माणूस' या एकपात्री
नाटकातील एक प्रसंग.

Kolhapur Kolhapur-Today
31/01/2020 Page No. 11

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SDNx Abdul Kalam National Space Competition in Collaboration with
Space Development Nexus (Saturday, 8 February, 2020)

Page | 92/182



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Public Talk on 'आपलेवृक्ष... आपलीसंस्कृती...'

(Monday, 24 February, 2020)

Page | 94/182



वारणा विज्ञान केंद्राचा तिसरा वर्धापन दिन आणि
राष्ट्रीय विज्ञान दिन असे संयुक्त औचित्य साधून व्याख्यानाचे आयोजन
व्याख्यानाविषयी

- ऋतू आणि ऋतू बदलानुसार भारतीय संस्कृतीमध्ये सण-वार, व्रत-वैकल्प, प्रथा-परंपरामधून वनस्पती, प्राणी पंचमहाभूतांचे वैज्ञानिक महत्व...
- जैवविविधता, निसर्गाचा समतोल, शुद्ध पर्यावरण आणि माणसाचे आरोग्य याचा पुर्वजांनी केलेला सूक्ष्म विचार...

व्याख्यानाचा विषय
आपले वृक्ष...आपली संस्कृती...

प्रमुख वक्त्या
डॉ. कांचनगंगा गंधे
निवृत्त प्राध्यापक,
वनस्पतीशास्त्र विभाग,
पुणे विद्यापीठ

वक्त्यांचा अल्प परिचय

- राष्ट्रीय आंतरराष्ट्रीय स्तरावर संशोधन नियतकालिकांत खोधनिबंध प्रसिद्ध
- 'रेकॉर्नेलिया' ह्या कवकातून ६ नवीन गुणसुत्रांचा शोध.
- 'लॅप लॅम्बर्ट' जर्मन प्रकाशन संस्थेकडून संशोधन पुस्तक प्रसिद्ध.
- १५ संशोधन प्रकल्पास राष्ट्रीय संस्थाकडून अनुदान.
- नामांकित दैनिकांमध्ये वनस्पती विषयक लेखमाला प्रसिद्ध.
- वनस्पतीशास्त्र, पर्यावरणशास्त्र आणि आरोग्याशी संबंधित ७ पुस्तकांचे प्रकाशन.
- आकाशवाणी पुणे केंद्रावरून विविध विषयांसाठी १०० पैशा जास्त भाषणे प्रसारित.

स्थळ -
डॉ. विनय कोरे झोडा व
सांस्कृतिक विकास केंद्र,
वारणानगर

वेळ - सोमवार, दि. २४ फेब्रुवारी २०२०,
स. ११.०० ते दु. १२.३० पर्यंत

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‘शनिवारीविज्ञानवारी’ in collaboration with Marathi Vidnyan Parishad
 (Monday, 16 September, 2019 to Saturday, 7 March, 2020)

सकाळ

वारणा विज्ञान केंद्रातर्फे शनिवारी 'विज्ञानवारी' उपक्रम

वारणा विज्ञान केंद्र आणि मराठी विज्ञान परिषदेच्या (MVI) यांच्यातर्फे शनिवारी दुर्गम शाळांत विज्ञानवारी हा उपक्रम राबवण्यात येणार आहे. अशा महत्त्वाच्या वारणा समूहाचे अध्यक्ष विज्ञान केंद्र, वारणा महाविद्यालय, तात्यासाहेब कॉलेज ऑफ फार्मासीतील ६० विद्यार्थी, फ्लटरण, रत्नागिरीसह महाराष्ट्रातील १०० हून अधिक महाविद्यालयीन विद्यार्थ्यांना प्रशिक्षण दिले जाईल. मराठी विज्ञान परिषदेचे अध्यक्ष डॉ. जयंत जोशी, कार्यवाह विनायक कर्णिक, सदस्य हेमंत लागवणकर, अभय यावलकर, श्रीमती अनंदा वकटे हे प्रशिक्षण देतील. मराठी विज्ञान परिषदेचे सहायक सागर शिंदे, श्रीकांत खेडेकर, वारणा सायन्स अँड इन्व्हेस्टमेंट अँकटीव्हीटीज सेक्टरचे प्रतीश लोले, पोपट कुंभार सहकार्य करतील. प्रशिक्षणाथीना विज्ञान

प्रसारक म्हणून नियुक्ती केली जाईल. विज्ञान प्रसारक दुर्गम भागातील जास्त जास्त शाळांना प्रत्यक्ष भेट देऊन ७ वी आणि ८ वीच्या विद्यार्थ्यांना भौतिकशास्त्र, रसायनशास्त्र, जीवशास्त्र आणि गणित या विषयातील विविध संकल्पना, सिद्धांत कृतिशील प्रयोगातून समजावून सांगणार आहेत. खेडोगाड्यातील वंचित विद्यार्थ्यांना स्वतः हे सर्व प्रयोग करण्याची संधी या उपक्रमातून

उपलब्ध करून दिली जाणार असल्याचे प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी यावेळी सांगितले. प्रायोगिक तत्वावर पहिल्या टप्प्यात ३० शाळांची निवड करण्यात येणार आहे. ज्या शाळांना विद्यार्थ्यांचा विज्ञानातील शिक्षणाचा पाया भक्कम करावयाचा आहे, अशा शाळांनी नावनोंदणी करावी, असे आवाहन समन्वयक डॉ. जॉन डिसोझा यांनी केले.

Kolhapur, Kolhapur-Today
 17/09/2019 Page No. 4



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Motivational talk for the students and faculties for professional development with respect to knowledge, innovations, entrepreneurship, etc

Talk by Dr. C. K. Kokate



C.K. Kokate

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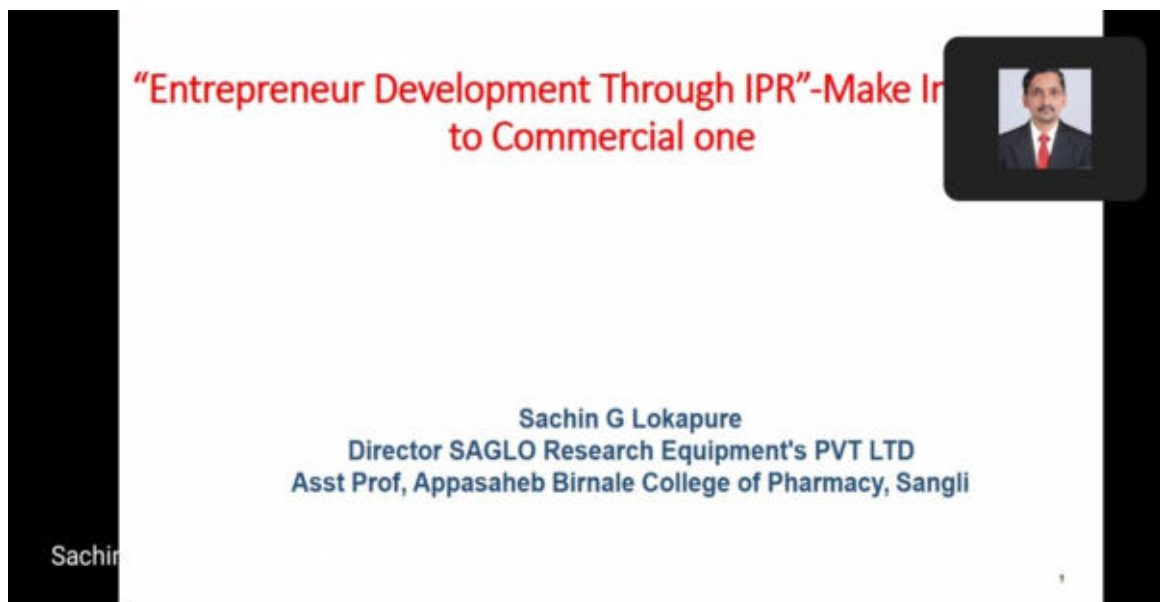
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IPR and Entrepreneurship Awareness Activities

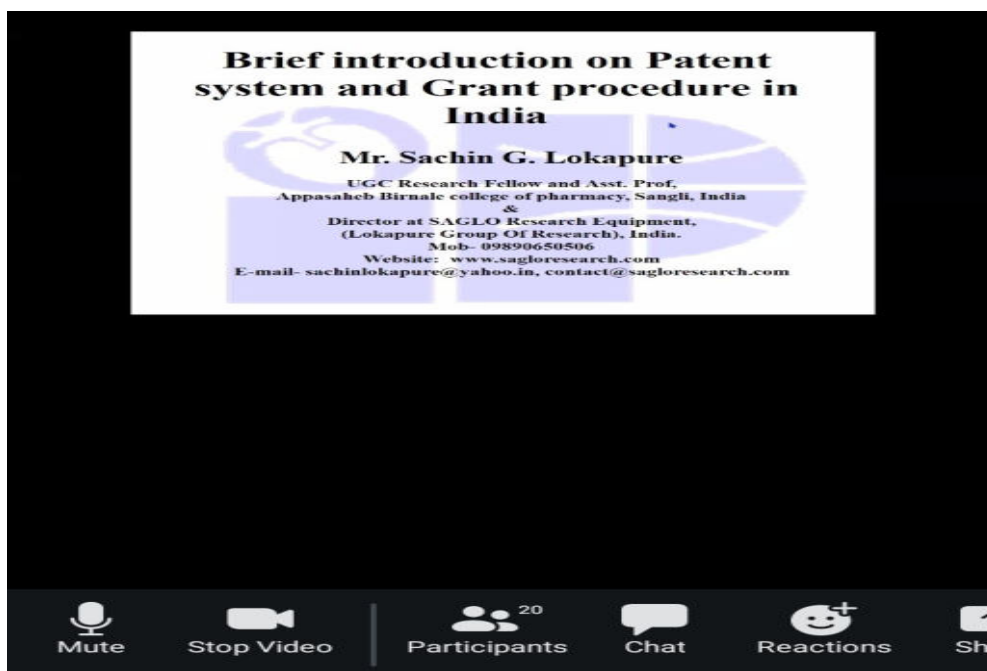
Entrepreneurship Development Program



Session by: S. G. Lokapure

05-02-2022

IPR Awareness Program



Session by: S. G. Lokapure

19-03-2022

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How can startups protect their Intellectual Property using their IPR

- It gets too overwhelming a process once you set out to start a new business. It may leave you in doubts, anxiety and a ton of other legitimate issues.
- One of the major areas that businesses need to stay aware about is [Intellectual Property Rights](#).
- Once the fundamentals of deciding the right business structure are cleared, IPR helps to differentiate your business from the competitors.
- IPR yields you the following advantages

Sachin G Lokap...

Sachin G Lokap...

TECP, Warananagar

A

Dr. Anur Sherkar, TE...

Shubhashree

Mayurish Shinde

Vinay Bagal

Vinay Bagal

Pooja Kumbhar...

Sapna...

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Enhancing employability skills of students and develop awareness and attitude towards entrepreneurship



Session by: Ajit S. Patil

23-04-2022

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Knowledge transfer through awareness programs

TB-DOTS sensitization program



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Participation and Research Awards of Students in Conferences, Workshops, etc

Page | 104/182

Sr. No.	Name	Class	Level	Year	Award	Rank
1.	Onkar Patil	M. Pharmacy	National Level	2020	Best Poster	1 st Prize
2.	Onkar Patil	Poster Presentation	International Level	2020	Best Poster	1 st Prize
3.	Rajeshwari Patil	Poster Presentation	International Level	2020	Best Poster	1 st Prize
4.	Tejaswini Jadhav	Poster Presentation	National Level	2020	Best Poster	1 st Prize
5.	Dipika Gaikwad	Poster Presentation	International Level	2020	Best Poster	Consolation Prize
6.	Apurva Chougule	Poster Presentation	International Level	2020	Best Poster	Consolation Prize
7.	Amruta Mhatugade	National Level	Plan of Ideal Community Pharmacy	2020	Best poster	2 nd Prize
8.	Deepali Patil	National Level	Techno Pharma Model Presentation	2020	Best Model	2 nd Prize
9.	Pradyumana Magdum	National Level	Techno Pharma Model Presentation	2020	Best Model	2 nd Prize
10.	Rohini Kulkarni	National Level	Techno Pharma Model Presentation	2020	Best Model	2 nd Prize
11.	Somesh Waghmode	State Level	Intercollegiate Competition in Microbiology	2020	Best Poster	1 st Prize
12.	Girish Parle	State Level	Intercollegiate Competition in Microbiology	2020	Best Poster	1 st Prize
13.	Rutuja Rhatwa	District	Avishkar	2020	Best	1 st Prize

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	1	Level			Poster	
14.	Rajnandini Patil	District Level	Avishkar	2020	Best Poster	3 rd Prize


Page | 105/182

Participation and Research Awards of Faculty in Conferences, Workshops, etc

Sr. No	Name of Faculty	Type of Event	Title	Year	Award	Rank
1.	John Disouza	International Level	AD Scientific Index	2018	Involved in Scientist List	
1.	Mrs. S. S. Shinde	Conference	Nyctanthus Arbor-Tristis: As a Natural Colorant in Drug Products	2018	Best Poster	1 st Prize
2.	Mr. P. P. Maske	Conference	Synthesis & Antimicrobial Activities of Some Novel Mercaptobenzimidazole Derivatives.	2018	Best Poster	1 st Prize
3.	Mrs. S. D. Gaikwad	Conference	Rational Design & Development of Novel Cadherin Inhibitors as Anticancer Agents.	2018	Best Poster	2 nd Prize
4.	Miss. M. S. Shete	Conference	Design, Development & Characterization of Curcumin Loaded Nanoemulsion.	2018	Best Paper	2 nd Prize
5.	Mr. K. S. Patil	Conference	A study of Impact of Medical Advertisement on Public Health	2018	Best Poster	2 nd Prize
6.	Mr. P. S. Kumbhar	Conference	TPGS Prodrug of Methotrexate: Improved In-vitro Anticancer Efficacy	2018	Best Poster	2 nd Prize



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			against MDA-MB 231 MDR Breast Cancer Cells			
7.	Mr. K. S. Patil	National Level e-Poster Competition on "COVID-19 Pandemic"	"Development of Pharma Educational App in COVID-19 Pandemic"	2019	Special Appreciation	Special Appreciation
8.	Mr. K. S. Patil	National Conference	Design, development, and characterization of Docetaxel-loaded TPGS/ Pluronic F 108 mixed micelles for improved cancer treatment	2019	Best Poster	3 rd Prize
9.	Dr. John Disouza	International Level	AD Scientific Index	2020	Involved in Scientist List	Involved in Scientist List
10.	Mr. Kiran S. Patil	Avishkar	Design, Development and Characterization of Stable Vacuum Foam Dried Docetaxel-Loaded Mixed Micelles for Improved Cancer Treatment	2021	Best Poster	First Prize
11.	Mr. Popat S. Kumbhar	Avishkar	Fabrication and Characterization of ribavirin-loaded liposomes for cancer	2021	Best Poster	First Prize

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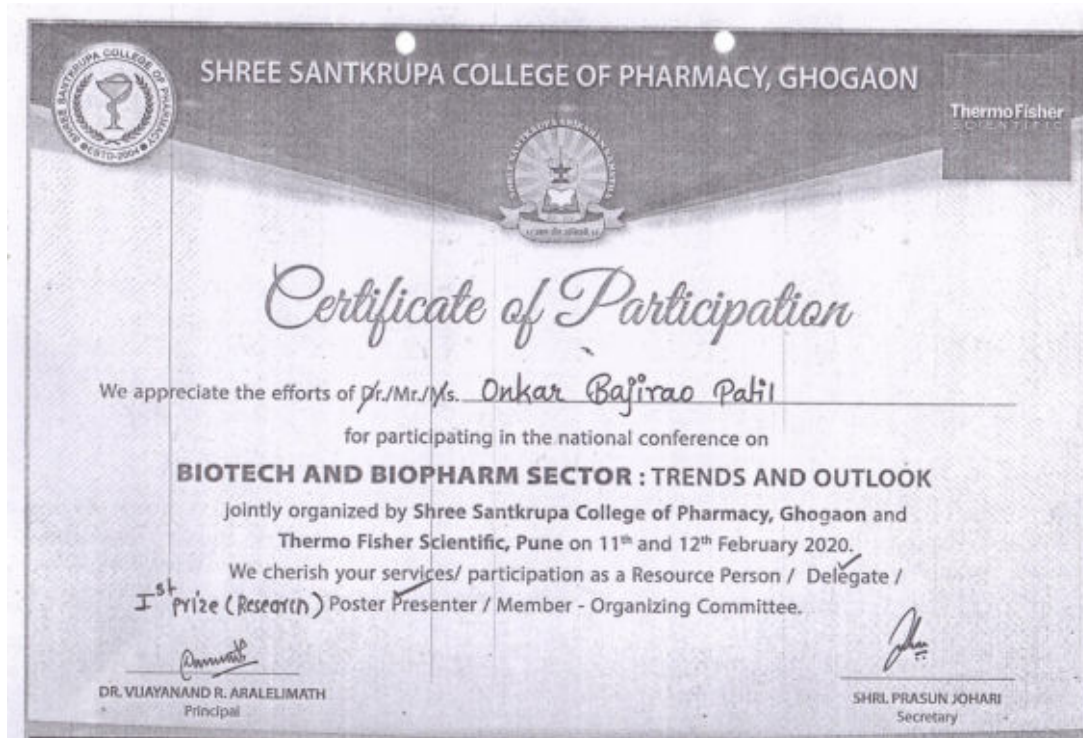
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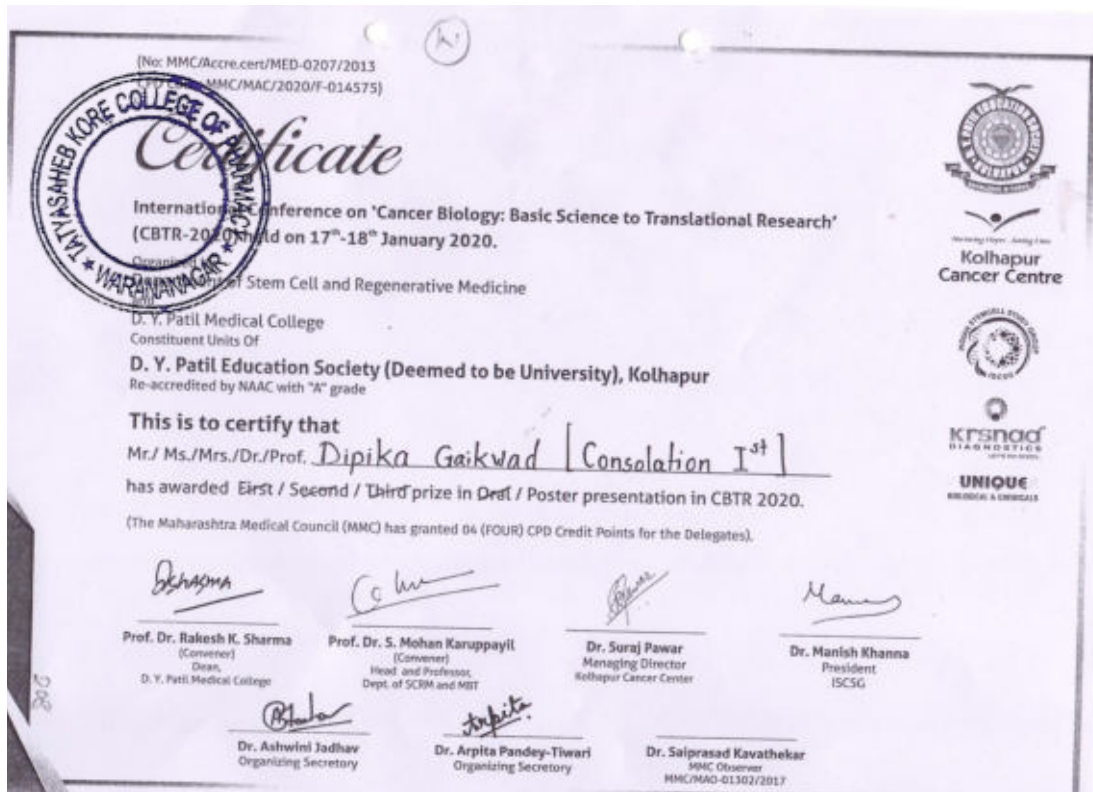
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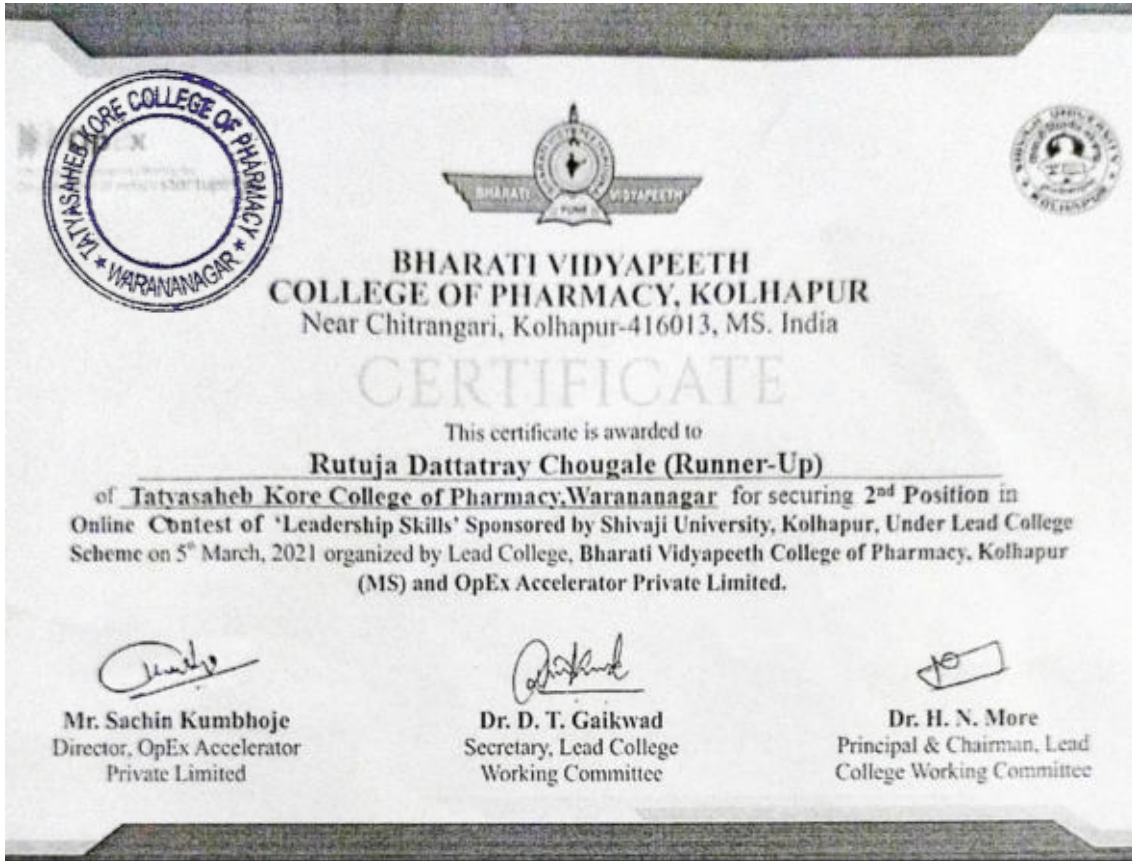
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Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

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116/182



वारणानगर : येथील तात्यासाहेब कोरे फार्मसी महाविद्यालयाची विद्यार्थीनी कु. प्राजक्ता खोपडे हिने संशोधन स्पर्धेत विद्यापीठात प्रथम क्रमांक पटकाविल्याबद्दल तिचे अभिनंदन करताना संस्थेचे सचिव जी. डी. पाटील, शेजारी प्राचार्य डॉ. जॉन डिसोजा, डॉ. यू. ए. चौगुले, प्रा. अजित पाटील, प्रा. मधुकर शिंदे.

अन्वेषण संशोधन स्पर्धेत प्राजक्ता खोपडे प्रथम

वारणानगर (वार्ताहर) : शिवाजी विद्यापीठामार्फत घेण्यात आलेल्या अन्वेषण संशोधन स्पर्धेत तात्यासाहेब कोरे फार्मसी महाविद्यालयाची विद्यार्थीनी कु. प्राजक्ता खोपडे हिने पदव्युत्तर विभागातून आरोग्य, विज्ञान व फार्मसी विभागात प्रथम क्रमांक पटकाविला. तिची विकानेर येथे होणाऱ्या विभागीय स्तरावरील संशोधन स्पर्धेसाठी निवड झाली आहे. विद्यार्थ्यांच्या संशोधनवृत्तीस चालना देऊन समाजातील प्रश्नांवर उपाय शोधण्यासाठी या स्पर्धा विद्यापीठामार्फत घेण्यात आल्या होत्या. प्राजक्ता हिला स्पर्धेसाठी प्राचार्य डॉ. जॉन डिसोजा, प्रशासकीय अधिकारी डॉ. यू. एस. चौगुले, डॉ. ए. एम. मंजाप्पा, प्रा. अजित पाटील यांचे मार्गदर्शन लाभले. या यशाबद्दल वारणा विभाग शिक्षण मंडळाचे सचिव जी. डी. पाटील यांनी सत्कार करून शुभेच्छा दिल्या आहेत.

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Research grants

Page | 117/182

Academic Year 2021-22

Sr. No.	Name of the research project/ endowment	Amount Sanctioned (INR in Lakhs)	Name of the Funding Agency
1.	Development and characterization of ribavirin-loaded nanoparticles for the treatment of cancer	0.1	Shivaji University Kolhapur
Total		0.1	






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Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



BHARATI VIDYAPEETH
COLLEGE OF PHARMACY, KOLHAPUR

: Founder : **Dr. Patangrao Kadam**
M.A., LL.B., Ph.D.

Courses: D.Pharm, B. Pharm, M. Pharm, Ph.D, DTE College Code No. - 6256
(Approved by A.I.C.T.E., P.C.I., New Delhi)

: Principal : **Dr. H.N. MORE**
M.Pharm., Ph.D.

Affiliated to MSBTE Mumbai, Permanently Affiliated to Shivaji University, Kolhapur & Included in list under Sect:2(F) & 12(B) of UGC Act, 1956
B.Pharm. Course reaccredited by NBA, New Delhi

LEAD COLLEGE, SHIVAJI UNIVERSITY, KOLHAPUR, NIRF INDIA RANKING 2021:49
Near Chitranagari, Kolhapur - 416013 (MS) Tel. (0231) 2637286, 2638392, Fax : 2638833

Ref. No. : BV/CPK/ 614 /2021 - 20 22

Date 01/02/2022

To
The Principals and Project guides,
Pharmacy colleges under
Lead College Research
Sensitization Scheme,
Shivaji University,
Kolhapur.

Subject: Regarding research grant of maximum Rs. 10,000/- per project for 'Research Promotion Activity 2021-2022' under Lead College Research Sensitization Scheme.

Sir/Madam

With reference to subject cited above, all the participated colleges in research promotion activity under lead college research sensitization scheme of Shivaji University hereby informed that research projects submitted by your college have been sanctioned from Shivaji University, Kolhapur for the research grant of maximum Rs. 10,000/- to meet the expenditure of recurring nature towards the project work.

The grant should be utilized for the sanctioned project work only. List of sanctioned projects is attached herewith.

Regards,


Dr. H. N. More
Principal
Lead College
Bharati Vidyapeeth College Of Pharmacy,
Kolhapur



Web : <http://copkolhapur.bharativedyapeeth.edu>

E - mail : copkolhapur@bharativedyapeeth.edu



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Tatyasaheb Kore College of Pharmacy,
Warananagar

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Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

120/182

Research proposals submitted to lead college (Year 2021-2022)

No.	Name of College	Research Title	Names of Students	Name of Advisor
1	H. V. C. P. Kolhapur	Development and characterization of anti- diabetic and insulin secretion regulation activity of Herbal formulation	/ Priyanka Mane / Monika Sabale / Mugdha Kambli	Mr. R.J. Jarag
2	A. B. C. P. Sangli	In-vitro Antiproliferative and apoptotic inducing effect of plant extract on different cell line	Tejas Nirwane Sahil Bedmulla Subodh Patil Shashank Revankar	Mr. Sudhir Patil
3	Shri sanjivani Gadgaon	Development of new quality control method for Cu/ Jaggery	/ Rutuja Dhanawade / Arifa Nalkawadi / Keshish Mulla / Tanuja Pawar / Tejal Shankar Veer	Dr. A.V. Belvntagi
4	Ashokrao Mane Peth Vadgaon	Design, Development and In-Vitro Antioxidant potential of quercetin nanoparticles	/ Sonjani Jadhav / Pratiksha Jadhav / Akashi Desai / Ankit Patil	Mrs. P. S. Sankpal
5	SGMCP, Mahagaon	Design and Characterization of solid self Nano- Emulsifying Drug delivery system of Ictozole for Breast Cancer	Shashikant Adsale Ashish Phutane / Samudhi Kadam / Shruti Mandekar	Dr. R.B. Kumbhar
6	TKCP, Warananagar	Development and Characterization of Ribavirin-Loaded Nanoparticles for the Treatment of Cancer	/ Bhagyashri Thorat / Poo Beaswade Sugant Todkar Shivprasad Patil	Dr. J. I. Disouza
7	Vasundevi Kodoli	Microwave assisted green synthesis antimicrobial activity of thiazolidino- 4-one derivatives	/ Namira Nadsaf	Miss. Lalita Dabiwade
8	Sarojani Kolhapur	In vitro Evaluation of Antitubercular Activity of Coccinia grandis	/ Akanksha Gourkar / Utkasha Ghatage / Sakshi Bhandari / Snehal Chavan	Ms. Preeti Patil-Vibhute
9	Rajarambapu Kasegaon	Biological Evolution of some synthesized N- substituted 1,3,4 thiazazole derivatives by using invitro model	/ Nutsa Desai Anand Desai / Ashwarya Deshmukh Adesh Deshmukh	Dr. Sandeep Kane

Secretary,
Lead College Working Committee (Pharmacy)

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**Tatyasaheb Kore College of Pharmacy,
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age | 121/182



Approved by PCI, AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE COLLEGE OF PHARMACY

Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)

Phone: (02328) 223501, Website: www.tkcpwarana.ac.in,

Email: tkcp.pc@unishivaji.ac.in

NIRF RankBand: 2017 & 2018 – 51 to 75; 2021 – 75 to 100

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

Thursday, March 17, 2022

Shivaji University, Sponsored
Minor research project sanctioned under SUK lead college research sensitization
scheme (Research Promotion Activity 2021-22)

Income & Expenditure Statement

Description: UG Minor Research Project
Advance Amount: Nil
Cheque No.: Nil

Sr. No.	Income	Amount	Sr. No.	Expenditure	Amount
1.	Gant Sanctioned by Shivaji University	10000 00	01	Chemicals	10100.00
2.	Actual Received	00	02		
3.	Amount to be receivable	10000			
4.	Additional Expenditure shared by College	100			
	Total	10100		Total =	10100.00

Sushant Phadnis & Co.
Chartered Accountant
2150 'E' Taradai Panhala
KOLHAPUR
MAHARASHTRA
INDIA

Dr. J. P. Disouza
PRINCIPAL

TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA,
DIST. KOLHAPUR, PIN:416113, M.S. (INDIA)

Signature of the Finance Officer/ Account

UDIN :- 22122830AFG&EDT1482

Academic Year 2020-21

T. P. Pholake

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Dumbur

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K. J. Patil

Approved by

P. P.

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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Sr. No.	Name of the research project/ endowment	Amount Sanctioned (INR)	Name of the Funding Agency
1.	Induction of novice pharma academicians	3.32933	All India Council for Technical Education
2.	Leveraging academic researchers on developing diagnostic kits, vaccines and drug product for improved therapy management against deadly viruses: Lesson learnt from COVID 19”	0.93	All India Council for Technical Education
3.	Fostering pedagogy, research administration: Vital domains for effective professional academic career	2.79	All India Council for Technical Education
Total		7.04933	

Page | 122/182






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Annexure -I

SHORT TERM TRAINING PROGRAM

FEED BACK FORM

1. AICTE File No. & Date of Offer Letter : 34-66/504/FDC/STTP/Policy-1/2019-20
2. Name of the Coordinator : Dr. John I. Disouza
3. Name and Address of the Institution : Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar, Tal- Panhala, Dist- Kolhapur,
M.S., 416 113.



4. Title of the Faculty Development Programme: Induction of Novice Pharma Academicians

5. Dates : Phase I:- 22/11/2021 to 27/11/2021
Phase II:- 29/11/2021 to 04/12/2021
Phase III:- 06/12/2021 to 11/12/2021

6. Venue : By online mode at SWVSM's TKCP College
Warananagar

7. Total No. of participants proposed and actually attended

Proposed Attended

8. No. and date of the offer letter

Letter No.	Date
34-66/504/FDC/STTP/Policy-1/2019-20	10/08/2020

9. Total amount sanctioned : Rs. 332933/-

10. No. and date of Sanction letter:

Letter No.	Date	Grant Released
34-66/504/FDC/STTP/Policy-1/2019-20	10/08/2020	332933/-

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Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Annexure-I

Page | 124/182

FORMAT FOR STATEMENT OF EXPENDITURE

AICTE File No. : 34-66/504/FDC/STTP/Policy-1/2019-20

Title of the Programme : Induction of Novice Pharma Academicians

Name of the Coordinator : Dr. John I. Disouza

<u>Sanction No. and Date</u>	<u>Grant Sanctioned</u>	<u>Details of expenditure Incurred Item wise</u>	<u>Amount Rs. (in each head)</u>	<u>No. of Participants</u>	<u>Duration of the Programme (with dates)</u>
34-66/504/FDC/STTP/Policy-1/2019-20 10/08/2020	332933/-	1. Honorarium for Coordinator	15000.00	146	Phase I:- 22/11/2021 to 27/11/2021 Phase II:- 29/11/2021 to 04/12/2021 Phase III:- 06/12/2021 to 11/12/2021
		2. Honorarium to Experts	216000.00		
		3. Payment to lab attendant engaged during the lab practices	9000.00		
		4. Miscellaneous charges	28533.00		
		Total	268533.00		
		Grant received	332933.00		
		Total excess amount with interest returned to AICTE (Unspent Amount Rs. 64400 + Interest Rs. 7869)	72269.00		
Balance to be Received	00.00				

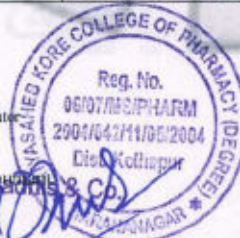


(1) **Dr. John I. Disouza**

Name and Signature of Coordinator with Seal

(3) **Sushant Phadanis & Co.**
2150, Tarabai Park, Kolhapur
Chartered Accountant: **Mr. Sushant Phadanis**
Membership No: 122830
Chartered Accountant
Near RTO office, Kolhapur
Maharashtra 416003

UPI: 22122830AF4ET04376



(2) **Dr. John I. Disouza**

Name and Signature of Head of Institution

PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY (DEGREE) WARANANAGAR, TAL. PANHALA, DIST. KOLHAPUR, PIN:416113, M.S. (INDIA)

27/12/2021

Created by

Sushant Phadanis

Checked by

John I. Disouza

Approved by

John I. Disouza

Authorized by




**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**



Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Page | 125/182


(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:


Dr. John I. Disouza
Shree Warana Vibhag Shikshan Mandal's Tatyasaheb Kore College of Pharmacy, Warananagar,
Tal- Panhala, Dist- Kolhapur, M.S., 416 113

(2). Signature of Chartered Accountant:

 Sushant Phadnis & Co. Mrs. Sushant Phadnis Chartered Accountant Membership No: 122830 Address: Eternity Square CS - No.2150 A/1A, E-ward, Tarabal Park, Near RTO office, Kolhapur Maharashtra 416003 Date: 12/03/2022	 Dr. John I. Disouza PRINCIPAL TATYASAHEB KORE COLLEGE OF PHARMACY (DEGREE) WARANANAGAR, TAL. PANHALA, DIST. KOLHAPUR. PIN:416113, M.S. (INDIA) Address: Shree Warana Vibhag Shikshan Mandal's Tatyasaheb Kore College of Pharmacy, Warananagar, Tal- Panhala, Dist- Kolhapur, M.S., 416 113 Date: 12/03/2022
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(4). Signature of the Finance Officer/Accounts Officer:


Mr. Sagar Ghodake

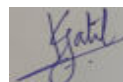




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Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

UTILIZATION CERTIFICATE

Name of the Scheme under which Grant was sanction: **AICTE-ISTE Induction/Refresher Program 2021-22**

Name and Address of Institute : Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy, Warananagar Tal: Panhala
Dist: Kolhapur 416113

File No : **ISTE/AICTE-ISTE Induction-Refresher Program/2021-22 Nov 5, 2021**

Name of Coordinator : Dr. John I. Disouza

Dates of the Programme : **13th December to 18th December 2021**


Title of the Programme : **Leveraging Academic Researchers on Developing Diagnostic Kits, Vaccines and Drug Product for Improved Therapy Management against Deadly Viruses: Lesson Learnt from COVID-19**

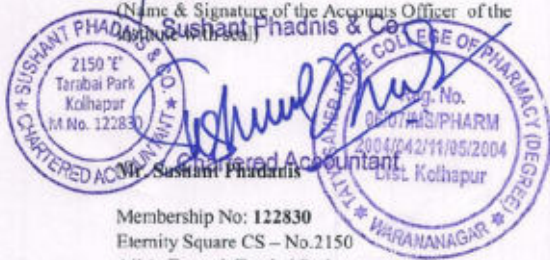
Sl.No.	ISTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1	ISTE/AICTE-ISTE Induction-Refresher Program/2021-22 Nov 5, 2021	93000/-	Certified that out of the grant-in-aid of Rs. 93000/- (Ninety Three Thousands Only) sanctioned by the AICTE-ISTE during the financial year <u>2021-22</u> in favour of SHREE WARANA VIBHAG SHIKSHAN MANDAL'S TATYASAHEB KORE COLLEGE OF PHARMACY, WARANANAGAR as per letter mentioned in the margin. Rs.0.00/- on account of unspent balance of previous year. Rs. 0.00 on account of other income/receipts, a sum of Rs. 93010 has been utilized for the purpose for which it was sanctioned and the balance of Rs. 0.00 remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

- i) Statement of Income and Expenditure
- ii) Receipt and Payment account, bank statement etc.
- iii) Bills Vouchers/receipts etc.


Mr. Sagar Ghodke
(Name & Signature of the Accounts Officer of the Institute)






Mr. Sushant Phadnis
Chartered Accountant

Membership No: **122830**
Eternity Square CS – No.2150
A/1A, E-ward, Tarabai Park,
Near RTO office, Kolhapur
Maharashtra 416003

HPIN: 22122830AFGFFP2159

Date: **15/3/22**

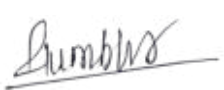

Dr. John I. Disouza
Coordinator
Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar, Tal- Panhala, Dist- Kolhapur,
M.S., 416 113.


Dr. John I. Disouza
Head of the Institute
Principal
Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar, Tal- Panhala, Dist- Kolhapur,
M.S., 416 113.

Date: **15/3/22**



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Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



**AICTE-ISTE INDUCTION/REFRESHER
PROGRAMMES – 2018-19**



ISTE/AICTE-ISTE Orientation/Refresher Programme/2018-19

March 1, 2021.

Dear Sir/Madam,

Sub : AICTE-ISTE Sponsored Induction/Refresher Programs - regarding

Ref. : 1. Our letter dated October 19, 2020.
2. Your consent letter by email to conduct the program.

Sanction is hereby accorded to the institute to conduct **three programs in Online Format** on the subject titled **Fostering Professional Performance** during the following dates:

Phase I	:	19/03/2021 to 25/03/2021
Phase II	:	26/03/2021 to 01/04/2021
Phase III	:	02/04/2021 to 08/04/2021

The headwise breakup of each online programme will be:

a.	Honorarium for Coordinator	Rs.5,000.00
b.	Honorarium to Experts	Rs.75,000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs.3,000.00
d.	Miscellaneous charge	Rs.10,000.00
Total for each program		Rs.93,000.00

You are requested to take steps to conduct the program subject to the following guidelines (as laid down by the AICTE and ISTE):

- > **The program duration will be six days.**
- > The total budget sanctioned for online program is Rs.93,000/- for one week. Expenses should not exceed the prescribed budget provisions.
- > Coordinator may use any available software (Google Meet/WebEx/MS Team/ Go to Webinar etc.) for smooth conduction of online FDP and also he/she may explore any other available software.
- > Minimum two sessions on inauguration day after inauguration and minimum two sessions before Valedictory function. Institutions/Coordinator will ensure minimum three sessions for remaining four days and one session from that may be utilized for feedback and assessment). Each Session should be of minimum one & half hours.

SHAHEED JEET SINGH MARG, NEAR KATWARIA SARAI, OPP. SANSKRIT VIDYAPEETH, NEW DELHI – 110 016
Phone : 011-26513542, 26963431; email : istedhg@isteonline.org; website : www.isteonline.in

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Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Approved by PCI, AICTE New Delhi
 Recognized by Govt. of Maharashtra
 Affiliated to Shivaji University, Kolhapur (SUK)

Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY
 Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
 Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
 Email: tkcp.pc@unishivaji.ac.in

NIRF 2017 & 2018: 51 to 75 Rank Band

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Savkar)
President

Date: 09/08/2021

AICTE-ISTE Sponsored Induction/Refresher Program on "Fostering Pedagogies, Research, Administration: Vitals Domains of Effective Professional Academic Career"

UTILIZATION CERTIFICATE

Certificate that the grant of Rs. 93000/- (Rupees Ninety Three Thousand only) for each program from AICTE-ISTE to conduct Induction/Refresher Program in online format in three phases titled "Fostering Pedagogies, Research, Administration: Vitals Domains of Effective Professional Academic Career", vide reference no. ISTE/AICTE-ISTE Orientation/Refreshers Programme/2018-19 dated 01/03/2021 for all three phases. The amount sanctioned for the conduction of each program and the utilization for the purpose for which it was sanctioned, in association with the terms and conditions laid down by AICTE-ISTE is mentioned as below.

Sr. No.	Date of Program	Sanctioned Amount	Utilized Amount
1	19/03/2021 to 25/03/2021	93000.00	87890.00
2	26/03/2021 to 01/04/2021	93000.00	84720.00
3	02/04/2021 to 08/04/2021	93000.00	86870.00
Total Amount		279000.00	259480.00

The total amount received from AICTE-ISTE is Rs. 150000.00 (Rs. One Lakh Fifty Thousand Only) out of Rs. 279000.00 (Rs. Two Lakh Seventy Nine Thousand Only) for all three phases. The actual expenditure of all three phases are Rs. 259480.00 (Rs. Two Lakh Fifty Nine Thousand Four Hundred Eighty Only). The balance to be received from AICTE-ISTE is Rs. 109480.00 (Rs. One Lakh Nine Thousand Four Hundred Eighty only)

Signature of Coordinator

Signature of Principal
PRINCIPAL

Signature of Auditor
 (Govt. Internal Aud./
 Chartered Acc.)

TATYASAHEB KORE COLLEGE OF PHARMACY
 (DEGREE) WARANANAGAR, TAL. PANHALA,
 DIST. KOLHAPUR, PIN:416113, M.S. (INDIA)

SUSHANT PHADNIS & CO
 613 'E'
 Shahapur
 Kolhapur
 M. No. 122830
Chartered Accountant

UDIN - 21122830AAAAR

Reg. No.
0807/MS/PHARM
2004/04/20/08/2009
Dist.: Kolhapur.

Ty Bholare

Bumbhar

Khatil

PO



Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Academic Year 2019-20

Page | 129/182

Sr. No.	Name of the research project/ endowment	Amount Sanctioned (INR)	Name of the Funding Agency
1.	Development of docetaxel nanoparticles: Effect of metabolism inhibition on its anticancer activity	0.1	Shivaji University Kolhapur
2.	Modernization and development of microbiology and cell culture laboratory for advanced academic research	14.885	All India Council for Technical Education
3.	Supercritical fluid extraction of medicinal plants and screening of their extracts for pharmacological activity using BIOPAC	14.985	All India Council for Technical Education
Total		29.97	

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Authorized by



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



SHIVAJI UNIVERSITY, KOLHAPUR

RESEARCH SENSITIZATION SCHEME FOR COLLEGE STUDENTS

Application for the financial support to research project

(To be submitted to the lead college)

1	Name of the College/Institute	: Shree Warana Vibhag Shikshan Mandal's Tatyasaheb Kore College of Pharmacy, Warananagar Tal: Panhala, Dist: Kolhapur 416 113 (M. S.), Phone: (O) +912328 223501, (R) +912328 224349
2	Name of the Students (Up to 4)	: 1. Ms. Rasika Amne (Final Year B. Pharm) : 2. Ms. Grishma Patil (Final Year B. Pharm) : 3. Mr. Nachiket Banne (Final Year B. Pharm)
3	Title of Project	: Development of Docetaxel Nanoparticles: Effect of Metabolism Inhibition of its Anticancer Activity
4	Area of Research Project/Subject	: Pharmaceutical Sciences & Technology
5	Details of the Research Project	: Annexure - 1
6	Financial Requirements (Up to rupees 10000/-)	: 11000/-
	Chemicals/ Consumables	: 10,500/-
	Travelling	: 500/-

Name and signature of the project advisor

Dr. A. S. Manjappa

Name and signature of students

1. Ms. Rasika Amne RAmne

2. Ms. Grishma Patil Grishma

3. Mr. Nachiket Banne NBanne



PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA,
DIST. KOLHAPUR, PIN: 416113, M.S. (INDIA)

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Checked by

Approved by

Authorized by



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



Approved by PCL AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE COLLEGE OF PHARMACY

Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
Email: tkcp.pc@unishivaji.ac.in

NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

Date:

**MODERNISATION AND REMOVAL OF OBSOLESCENCE RURAL
(MODROB -RURAL): 2019-20**
Supercritical Fluid Extraction of Medicinal Plants and Screening of their Extracts for
Pharmacological Activities using BIOPAC"

UTILIZATION CERTIFICATE

Certificate that the grant of Rs. 1498500/- (Rupees Fourteen Lakhs Ninety Eight Thousand Five Hundred Only) under MODERNISATION AND REMOVAL OF OBSOLESCENCE RURAL (MODROB -RURAL)scheme from AICTE New Delhi has been sanctioned for the project entitled "Supercritical Fluid Extraction of Medicinal Plants and Screening of their Extracts for Pharmacological Activities using BIOPAC", vide order/letter no. F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20 Dated 16 May 2019. The amount sanctioned for the above said project has been utilized, and the utilization for the purpose for which it was sanctioned in association with the terms and conditions laid down by AICTE New Delhi is mentioned as below;

AICTE Sanction Order/Letter No. & Date under which the amount was sanctioned	Total Sanctioned Amount (Rs.)		Total Utilized Amount (Rs.)		Unspent Balance
	Non Recurring (Rs.)	Recurring (Rs.)	Non Recurring (Rs.)	Recurring (Rs.)	
F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20 Dated 16 May 2019.	Rs. 1273725/- (Rupees Twelve Lakhs Seventy Three Thousand Seven Hundred Twenty Five Only)	Rs.224775/- (Rupees Two Lakh Twenty Four Thousand Seven Hundred Seventy Five Only)	Rs. 1460000/- (Rupees Fourteen Lakhs Sixty Thousand Only)	Rs. 298660/- (Rupees Two Lakhs Ninety Eight Thousand Six Hundred Sixty Only)	Zero Only

The total amount received from AICTE New Delhi is Rs. 1198800/- (Rupees Eleven Lakhs Ninety Eight Thousand Eight Hundred Only) out of sanctioned amount of Rs. 1498500/- (Rupees Fourteen Lakhs Ninety Eight Thousand Five Hundred Only). The actual expenditure incurred is Rs. 1758660/- (Rupees Seventeen Lakhs Fifty Eight Thousand Six Hundred Sixty Only). The balance amount to be received from AICTE is Rs.299700/- (Rs. Two Lakhs Ninety Nine Thousand Seven Hundred Only).

Signature of Coordinator
Dr. John I. Disouza

Signature of Principal
PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA,
DIST. KOLHAPUR, PIN 416113, M.S. INDIA



Sushant Phadnis & Co.
PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA,
DIST. KOLHAPUR, PIN 416113, M.S. INDIA
Chartered Accountant

John Disouza

Vinayji V. Kore

Sushant Phadnis

John Disouza

Created by

Checked by

Approved by

Authorized by



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Approved by PCL AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY
Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
Phone: (02328) 223501, 223526, Fax: 223501; Website: www.tkcpwarana.ac.in
Email: tkcp.pc@sunshivaji.ac.in

NIRF 2017 & 2018: 51 to 75 RankBand

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

Annexure-1

MODERNISATION AND REMOVAL OF OBSOLESCENCE RURAL (MODROB - RURAL): 2019-20

STATEMENT OF EXPENDITURE

File No. F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20 Dated 16 May 2019

Name of Project Supercritical Fluid Extraction of Medicinal Plants and Screening of their Extracts for Pharmacological Activities using BIOPAC

Name of the Coordinator Dr. John L. Disouza
Tatyasaheb Kore College of Pharmacy, Warananagar

Sanction No. and Date	Total Grant Sanctioned	Details of Expenditure Incurred Item wise	Amount Rs. (In each head)
F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20 Dated 16 May 2019.	Rs. 1498500/-	1. CO ₂ Extractor (Supercritical Fluid Extractor) Make: Amar Equipments, Mumbai	1460000/-
		2. Recurring expenditure includes chemicals, Glasswares & other consumables.	298660/-
		Total Expenditure	1758660/-
		Grant Released	1198800/-
		Grant Remaining	299700/-
		Funds utilized from Institute	260160/-

Signature of Coordinator
Dr. John L. Disouza

Signature of Principal
PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA
DIST. KOLHAPUR, PIN:416113, M.S. (INDIA)

As Per Report of even date
Sushant Phadnis
Chartered Accountant
UDIN: 21122830AAATQ5927
2 SEP 2021

T. G. Chokale

Created by

Dumbhar

Checked by

K. J. Khatke

Approved by

P. J. Khatke

Authorized by



**Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Dated: 18 May 2019

F.No. 84-71/RFD/MODROB/Rural/Policy-1/2015-20

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

MODROB-RURAL: Sanction Letter

To
The Drawing and Disbursing Officer,
All India Council for
Technical Education, Nelson
Mandela Marg,
Vasant Kunj,
New Delhi - 110070

Release of a sum of Rs.1198800 /- (Rupees Eleven Lakh Ninety Eight Thousand Eight Hundred Only), being the Grant-in-Aid under the scheme Modernization and Removal of Obsolescence Rural (MODROB-Rural) for the year 2019-20 payable during the current financial year 2019-20- reg.

Sir,
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of Rs. 1498500/- (Rupees Fourteen Lakh Ninety Eight Thousand Five Hundred Only) as Grant-in-Aid under the Modernization and Removal of Obsolescence Rural (MODROB-Rural) scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar SHREE WARANA VIBHAG SHIKSHAN MANDAL'S TATYASAHEB KORE COLLEGE OF PHARMACY, WARANANAGAR, TATYASAHEB KORE COLLEGE OF PHARMACY, WARANANAGAR, AT POST: WARANANAGAR, TAL: PANHALA, DIST: KOLHAPUR 4116113 MAHARASHATRA STATE, Maharashtra		
2.	Title of proposal:	Supercritical Fluid Extraction of medicinal plants and screening of their extracts for pharmacological activities using BIOPAC.		
3.	Name of Coordinator:	Dr. JOHN DISOUZA		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs. 1498500/-	Non-Recurring (85%): Rs.1273725/-	Recurring (15%): Rs.224775/-
5.	Amount to be released during the year 2019-20:	1 st Installment Rs. 1198800 /-	Non-Recurring (85%): Rs.1018980/-	Recurring (15%): Rs.179820/-
6.	Sanctioned grant-in-aid is debit to:	Major Head 601.18(a) Gen. (Plan Head)		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institute:

1. Release of funds

1163011874

Handwritten notes and stamps:
A.O. [Signature]
PR. [Signature]
Inward No. [Stamp]
Date - 11/6/2020 [Stamp]
[Signature] office [Stamp]

[Handwritten Signature]

Created by

[Handwritten Signature]

Checked by

[Handwritten Signature]

Approved by

[Handwritten Signature]

Authorized by




Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

ge | 134/182

o/c

Approved by PCI, AICTE New Delhi
Recognized by Govt. of Maharashtra
Affiliated to Shivaji University, Kolhapur (SUK)

 Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE COLLEGE OF PHARMACY
Warananagar, Tal: Panhala, Dist: Kolhapur, 416 113 (M.S.)
Phone: (02328) 223501, Website: www.tkcpwarana.ac.in,
Email: tkcp.pc@unishivaji.ac.in


NIRF RankBand: 2017 & 2018 – 51 to 75; 2021 – 75 to 100

Dr. John Disouza
Principal

Hon. Dr. Vinayji V. Kore (Saavkar)
President

TKCP/1227/22-23

Monday, July 25, 2022

 Dr. Dileep N. Malkhede
Advisor (RIFD)
AICTE, New Delhi

Subject: Submission of Utilization Certificate for Grant Received under MODROB-Rural Scheme 2019-20 (F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20, Dated 16 May 2019)

Respected Sir,


Apropos, the grant of Rs. 1498500/- (Rupees Fourteen Lakhs Ninety Eight Thousand Five Hundred Only) under MODROB-RURAL scheme from AICTE New Delhi has been sanctioned for the project entitled "Supercritical Fluid Extraction of Medicinal Plants and Screening of their Extracts for Pharmacological Activities using BIOPAC", vide order/letter no. F.No. 84-7/RIFD/MODROB/Rural/Policy-1/2019-20 Dated 16 May 2019. The amount sanctioned for the above said project has been utilized for the purpose for which it was sanctioned in association with the terms and conditions laid down by AICTE New Delhi.


We are herewith forwarding the Utilization Certificate (UC) along with other Mandatory Documents for your kind consideration and further reimbursement of the grant balance amount.

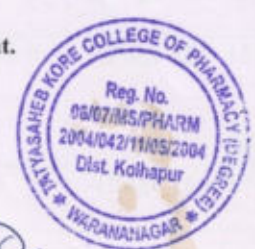
We kindly request you to reimburse the grant balance amount.

Thanking You.

Yours Faithfully,


Project Coordinator
Dr. John I. Disouza


Principal
PRINCIPAL
TATYASAHEB KORE COLLEGE OF PHARMACY
(DEGREE) WARANANAGAR, TAL. PANHALA, DIST. KOLHAPUR





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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Academic Year 2018-19

Page | 135/182

Sr. No.	Name of the research project/ endowment	Amount Sanctioned (INR)	Name of the Funding Agency
1.	Development of multifunctional liposomal drug delivery system targeting multiple myeloma and associated bone damage	0.25	Shivaji University Kolhapur
2.	Development of nanoparticles co-loaded with docetaxel and ritonavir: role of ritonavir in enhancement of docetaxel anti-tumor efficacy	0.175	Shivaji University Kolhapur
3.	Two days workshop for teachers on fostering creativity and innovation in science education	1.03	Vigyan Prasara
4.	Self-assembled mixed micelles composed of drug-polymer conjugates: Improved docetaxel efficacy against cytochrome P-450 3A4 expressing tumors	0.1	Shivaji University Kolhapur
Total		1.55	

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Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

 <p>SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA Colleges and University Development Section PHONE :EPABX-2609000, 2609145 FAX :0091-231-2691533 & 0091-231-2692333 Website : www.unishivaji.ac.in E-mail: stats@unishivaji.ac.in शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग) दूरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४</p>	SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA Colleges and University Development Section PHONE :EPABX-2609000, 2609145 FAX :0091-231-2691533 & 0091-231-2692333 Website : www.unishivaji.ac.in E-mail: stats@unishivaji.ac.in शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग) दूरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४
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Ref No. : SU/C&U.D.Section/54/857 Date: 20 FEB 2020

To,
Dr. Manjappa Arehalli S.,
Tatyasaheb Kore College of Pharmacy Warannagar,
Dist: Kolhapur.

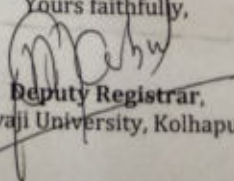
Sub. :- Grants Release order under Research Grants to Collge Teachers 2017-2018.

Sir/Madam,

With reference to above mentioned subject, I am directed to inform you that, the University authorities have approved your research proposal entitled "*Development of Multifunctional Liposomal Drug Delivery System : Targeting Multiple Myeloma and Associated Bone Damage*" under Research Grants to Collge Teachers 2017-2018.

- As per project guidelines, total grants of ₹.25000/- has been sanctioned to your research project and out of grant ₹.12500/- sending herewith as a first installment vide cheque bearing number 143791, dt. 12-02-2020.
- The second installment of remaining grants will be released to you after compliance of the project.
- The total period of the project will be for two years and under no circumstances it will be extended further. The effective date of start of the project should be the date on which grant is issue of day to the Principal Investigator.
- Submit the workdone report/ project completion report within a prescribed period alongwith the bills duly completed viz. "Accession No.", "Rates are reasonable and paid by me" with P.I signature.

Thanking you,

Yours faithfully,

Deputy Registrar,
Shivaji University, Kolhapur.

Encl : As above.
Copy to:
The Principal, Tatyasaheb Kore College of Pharmacy Warannagar, Dist: Kolhapur

No. for reference file
TKC WAR NANAG
InWife No. 12
Date - 26/2/2020

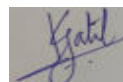




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Shree Warana Vibhag Shikshan Mandal's
**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Page | 137/182


SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA
Colleges and University Development Section
PHONE :EPABX-2609000, 2609145
FAX :0091-231-2691533 & 0091-231-2692333
Website : www.unishivaji.ac.in E-mail: stats@unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग)
दुरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५
फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४

Ref No. : SU/C&U.D.Section/53/1312

Date: 27 MAR 2019

To,
Dr. Disouza John I,
Tatyasaheb Kore College of Pharmacy
Warananagar, Dist: Kolhapur.

Sub. :- Grants Release order under Research Grants to Collge Teachers 2017-2018.

Sir/Madam,

With reference to above mentioned subject, I am directed to inform you that, the University authorities have approved your research proposal entitled "Development of Nanoparticles Co-Loaded with Docetaxel and Ritonavir" under Research Grants to Collge Teachers 2017-2018.

- As per project guidelines, total grants of ₹.17500/- has been sanctioned to your research project and out of grant ₹.8750/- sending herewith as a first installment vide cheque bearing number 338534, dt. 24/3/2019.
- The second installment of remaining grants will be released to you after compliance of the project.
- The total period of the project will be for two years and under no circumstances it will be extended further.
- Submit the workdone report/ project completion report within a prescribed period alongwith the bills duly completed viz. "Accession No.", "Rates are reasonable and paid by me" with P.I signature.

Thanking you,

Yours faithfully,

Assistant Registrar,
Shivaji University, Kolhapur.

Encl. : As above.

Copy to;

The Principal, Tatyasaheb Kore College of Pharmacy Warananagar, Dist: Kolhapur

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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

विज्ञान प्रसार
(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत स्वायत्त संस्था)
ए-50, इंस्टीट्यूशनल एरिया, सेक्टर-62
नोएडा 201 309 (उ.प्र.)

Vigyan Prasar
(An autonomous organisation under the Dept. of
Science & Technology, Govt. of India)
A-50, Institutional Area, Sector-62
Noida 201 309 (U.P.)

VP/982/Science Hands on activity/2018 /18
04-04-2018

Sub: Two days workshop for teachers on Fostering Creativity and Innovation in Science Education.

Dear Sir,

As per your proposal dated 14 March 2018, an amount of **Rs.1,03,000 (One lakh three thousand only)** have been sanctioned from Vigyan Prasar for Two days workshop for teachers on fostering creativity and innovation in science education.

The expenditure heads are as mentioned below:-

SN	Particulars	Amount in Rs
	TA to resource person	Rs .50,000
	Accommodation to resource persons	Rs.10,000
	Honorarium to Resource persons outside as well as local	Rs .8,000
	Material cost for the experiments	Rs.30,000
5.	Miscellaneous	Rs .5,000
	Total	Rs.1,03,000

Terms and Conditions:-

1. Warana Science Innovation Activity Center will organised the workshop on 26-27 April 2018 and center will invite participants and will do all logistic arrangements for both participants and resource persons whereas Vigyan Prasar will provide resource persons for different sessions.
2. Warana Science Innovation Activity Center is requested to submit SE and UCs in original within 30 days after completion of the workshop.
3. Attendance sheet of all Resource Persons and Coordinators in original need to be submitted with SE and UCs.
4. TA will be paid on actual basis.
5. Vigyan Prasar is releasing 80 % of total budget Rs 82,400/- of the budget as an advance and remaining 20% i.e Rs 20,600/-will be paid after receipt of SE and UCs.
6. Warana Science Innovation Activity Center will mention specifically in the SE and UC about the interests earned.
7. Since this is a joint activity of Vigyan Prasar and Warana Science Innovation Activity Center, so Vigyan Prasar name and logo will be mentioned in all publicity materials.

Kindly send your acceptance for the same above.

Thanking You

To,
Dr John I. D'Souza
Principal Coordinator
Warana Science Innovation Activity Center
Shree Warana Vibhag Shikshan Mandal's
Panhala, District Kolhapur - 416113 (MS)

Yours Sincerely,
Kapil Kr Tripathi
(Kapil Kr Tripathi)
Scientist E

Ty Chhokra
Dumbur
Kapil
PO

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Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

Project Aided by -
Rajiv Gandhi Science & Technology
Commission, Govt. of Maharashtra

Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre
 Warananagar, Taluka: Panhala, Dist: Kolhapur, 416 113 (M.S.),
 Phone: (02328) 223501, Fax: 223501
 Email: waranasiac@gmail.com

Project by
RGSTC (M.S.)
GOVT.

Receipt payment A/C for two days Science Teachers workshop on 'Fostering Creativity & Innovation in Science Education' on 26th & 27th April, 2018.

Sr. No.	Receipt	Amount in Rs.	Sr. No.	Payments	Amount in Rs.
1	Received from Vigyan Prasar	82,400.00	1	TA for resource persons	55640.00
2	Receivable from Vigyan Prasar	20,600.00	2	Accommodation to resource person	14809.00
3	Registration Fees	10,200.00	3	Honorarium to Resource person outside as well as local	8000.00
4	WSIAC Contribution	48402.00	4	Material cost and expenses	32179.00
			5	Miscellaneous	14517.00
			6	TA & DA for Teachers	22512.00
			7	Food Lunch, Breakfast, Tea	13945.00
	Total	1,61,602.00		Total	1,61,602.00

Utilization Certificate

Certified that (Workshop Expenditure) of Rs. 161602.00 (Rs. One Lack Sixty One Thousand Six Hundred Two Only) (Sanctioned by Vigyan Prasar & Warana Science and Innovation Activity Centre) for the conduction of Science Teachers workshop organized on 26th & 27th April, 2018 has been incurred by observing scrupulously all the rules of Vigyan Prasar & Warana Science and Innovation Activity Centre.

Certified that, from total expenditure Rs. 161602.00 (Rs. One Lack Sixty One Thousand Six Hundred Two Only) amount Rs. 20600 (Rs. Twenty Thousand Six Hundred Only) is receivable from Vigyan Prasar.

Place: Warananagar
 Date: Thursday, May 24, 2018

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Page | 140/182

Research, review, book chapters, and books publications

Year	2021-22	2020-21	2019-20	2018-19	2017-18
Number	8	14	11	13	3

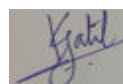




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Academic year 2021-22

Drug repurposing: An emerging strategy in alleviating skin cancer

Popat K. Bhojar¹, Kamal Dua¹, Tejashree Yadav¹, Ashwini Bhavar¹, Pramod Waghmare¹,
Rajdeep Bhokare¹, Aravind Manjappa¹, Niraj Kumar Jha², Dinesh Kumar Chellappan³,
Sunil K. Wande¹, Sachin Kumar Singh⁴, Kamal Dua⁵, Ahmad Salawi⁶, John Disouza⁷,
Vandana Patravale⁸

Affiliations

Affiliations

- 1 Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Dist: Kolhapur Maharashtra, 416113, India.
- 2 Department of Biotechnology, School of Engineering & Technology (SET), Sharda University, Greater Noida, 201310, Uttar Pradesh, India; Department of Biotechnology, School of Applied and Life Sciences (SALS), Uttarakhand University, Dehradun 248007, India.
- 3 Department of Life Sciences, School of Pharmacy, International Medical University, Bukit Jalil, 57000, Kuala Lumpur, Malaysia.
- 4 School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab, 144411, India; Faculty of Health, Australian Research Centre in Complementary and Integrative Medicine, University of Technology Sydney, Ultimo, NSW, 2007, Australia.
- 5 Faculty of Health, Australian Research Centre in Complementary and Integrative Medicine, University of Technology Sydney, Ultimo, NSW, 2007, Australia; Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, NSW, 2007, Australia; Uttarakhand Institute of Pharmaceutical Sciences, Uttarakhand University, Dehradun, 248007, India.
- 6 Department of Pharmaceutics, College of Pharmacy, Jazan University, Jazan, 45142, Saudi Arabia.
- 7 Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Dist: Kolhapur Maharashtra, 416113, India. Electronic address: jdisouza@tkcpwarana.ac.in.
- 8 Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology,

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D-α-tocopheryl polyethylene glycol succinate: A review of multifarious applications in nanomedicines

Popat S. Kumbhar^a  , Sameer Nadaf^b, Arehalli S. Manjappa^a  , Niraj Kumar Jha^c,
Sunita S. Shinde^a, Swapnil S. Chopade^a, Amol S. Shete^d, John I. Disouza^a,
Unnam Sambamoorthy^e, Sanapala A. Kumar^f

- ^a Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Kolhapur, Maharashtra 416113, India
- ^b Sant Gajanan Maharaj College of Pharmacy, Mahagaon, Gadhinglaj, Maharashtra, India
- ^c Department of Biotechnology, School of Engineering & Technology (SET), Sharda University, Greater Noida, Uttar Pradesh 201310, India
- ^d Department of Pharmaceutics, Krishna Institute of Pharmacy Medical Sciences Deemed to Be University, Karad 415539, India
- ^e Department of Pharmaceutics, NRI College of Pharmacy, NRI Group of Institutions, Pothavarappadu (V), Via Nunna, Agiripalli (M), Vijayawada Rural, Krishna, Andhra Pradesh 522212, India
- ^f

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Recent advances in developing polymeric micelles for treating cancer: Breakthroughs and bottlenecks in their clinical translation

Jaspreen Kaur ¹, Madhuja Gulati ¹, Niraj Kumar Jha ², John Disouza ³, Vandana Patravale ⁴, Kamal Jha ⁵, Sachin Kumar Singh ⁶

Affiliations [collapse](#)

Affiliations

- 1 School of Pharmaceutical Sciences, Lovely Professional University, Jalandhar-Delhi G.T Road, Phagwara 144411, Punjab, India.
- 2 Department of Biotechnology, School of Engineering & Technology (SET), Sharda University, Greater Noida, 201310 Uttar Pradesh, India.
- 3 Tatyasaheb Kore College of Pharmacy, Warananagar, Panhala, Kolhapur, Maharashtra 416113, India.
- 4 Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Matunga, Mumbai, Maharashtra 400019, India.
- 5 Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, NSW 2007, Australia; Faculty of Health, Australian Research Centre in Complementary and Integrative Medicine, University of Technology Sydney, Ultimo, NSW 2007, Australia.
- 6 School of Pharmaceutical Sciences, Lovely Professional University, Jalandhar-Delhi G.T Road, Phagwara 144411, Punjab, India. Electronic address: singhsachin23@gmail.com.

PMID: 35158056 DOI: [10.1016/j.drudis.2022.02.005](https://doi.org/10.1016/j.drudis.2022.02.005)

Abstract

Polymeric micelles (PMs) have been explored pre-clinically for the delivery of chemotherapeutics to

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Development of Topical Nanogel as a Promising Delivery of NSAID's Tenoxicam using Natural Permeation Enhancer Essential Oil (Euckolyptus)

Author(s): Swapnil S Chopade, Esther Gaikwad, Nikhil Patil, Arehalli Manjappa, John Disouza

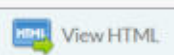
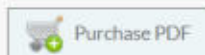
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DOI: [10.52711/2231-5713.2022.00048](https://doi.org/10.52711/2231-5713.2022.00048) 

Address: Swapnil S Chopade^{1*}, Esther Gaikwad¹, Nikhil Patil², Arehalli Manjappa¹, John Disouza¹
¹Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, Dist. Kolhapur, Maharashtra, India 416114.
²Annasaheb Dange College of B. Pharmacy, Ashta, Dist. Sangli, Maharashtra India 416 301.

*Corresponding Author

Published in Volume - 12, Issue - 4, Year - 2022



ABSTRACT:

Tenoxicam (TNX) is an effective non-steroidal anti-inflammatory drug (NSAIDs) used to treat rheumatoid arthritis. Like other NSAIDs, tenoxicam has the disadvantage of being linked to gastrointestinal side effects. Furthermore, this drug is having weak transdermal penetration, preventing transdermal administration. The goal of this study was to develop a TNX nanogel with a smaller particle size to improve the anti-inflammatory drug's bioavailability and assess its potential in rheumatoid arthritis. The modified emulsification-diffusion method is used to develop nanosized dispersion of TNX using noveon polycarbophil AA-1 as a gelling agent. Moreover, essential oils increase skin penetration by interacting with the stratum corneum (SC). They were found to be successful in increasing skin penetration of both lipophilic and hydrophilic drugs. The rheology, particle size, drug content, % drug release, and in-vitro diffusion study of prepared TNX nanogel were performed. Based on the rheological features of the formulations it was found to be substantial, with the particle size of 125.05nm and zeta potential -8.47mV, drug content of 97.05%, % drug release 97.40% drug diffusion of 97.42%, and pH of 6.2. Tenoxicam nanogel was prepared by using noveon

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Review article

Inhalation delivery of repurposed drugs for lung cancer: Approaches, benefits and challenges

Popat Kumbhar^a, Arehalli Manjappa^a, Rohit Shah^b, Niraj Kumar Jha^c, Sachin Kumar Singh^d,
Kamal Dua^{e,f}  , John Disouza^a  , Vandana Patravale^e



^a Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Dist: Kolhapur
Maharashtra 416113, India

^b Tatyasaheb Birnale College of Pharmacy, Sangli, Maharashtra 416416, India

^c Department of Biotechnology, School of Engineering & Technology (SET), Sharda University,
Greater Noida, 201310, Uttar Pradesh, India

^d School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab 144411,
India

^e Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, NSW
2007, Australia

^f Faculty of Health, Australian Research Centre in Complementary and Integrative Medicine,
University of Technology Sydney, Ultimo, NSW 2007, Australia

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Design development, *in silico* and *in vitro* characterization of Docetaxel-loaded TPGS/ Pluronic F 108 mixed micelles for improved cancer treatment

Kiran S. Patil^a ✉, Ashok A. Hajare^a 👤 ✉, Arehalli S. Manjappa^b ✉, Harinath N. More^c ✉,
John I. Disouza^b ✉

^a Department of Pharmaceutics, Bharati Vidyapeeth College of Pharmacy, Near Chitranagari,
Kolhapur, 416103, Maharashtra, India

^b Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, 416113,
Maharashtra, India

^c Department of Pharmaceutical Chemistry, Bharati Vidyapeeth College of Pharmacy, Near
Chitranagari, Kolhapur, 416103, Maharashtra, India

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Carbohydrate Polymer Technologies and Applications

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Carbohydrates-based diagnosis, prophylaxis and treatment of infectious diseases: Special emphasis on COVID-19



Popat S. Kumbhar^a, Anjali K. Pandya^b, Arehalli S. Manjappa^a, John I. Disouza^a,
Vandana B. Patravale^{b,*}

^a Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Kolhapur, Maharashtra, India, 416113

^b Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, Maharashtra 400 019, India

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ABSTRACT

COVID-19 pandemic is taking a dangerous turn due to unavailability of approved and effective vaccines and therapy. Currently available diagnostic techniques are time-consuming, expensive, and may be impacted by mutations produced in the virus. Therefore, investigation of novel, rapid, and easy-to-use diagnostic techniques, prophylactic vaccines and targeted efficacious drug delivery systems as treatment strategy is imperative. Carbohydrates are essential biomolecules which also act as markers in the realization of drug delivery systems. Moreover, they exhibit antiviral, antimicrobial, and antifungal properties. Carbohydrate based vaccines and therapeutics including stimuli sensitive systems can be developed successfully and used effectively to fight against COVID-19. Carbohydrate-based diagnostic, prophylactic and therapeutic alternatives could be promising in combatting COVID-19 propitiously. Morphology of SARS CoV-2 and its relevance in devising combat strategies has been discussed. Carbohydrate-based approaches for tackling infectious diseases and their importance in the design of various diagnostic and treatment modalities have been reviewed.

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REVIEW

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Drug delivery nanocarriers and recent advances ventured to improve therapeutic efficacy against osteosarcoma: an overview

Sujit Arun Desai^{1,2*}, Arehalli Manjappa³ and Preeti Khulbe¹



Abstract

Background: Osteosarcoma (OS) is one of the key cancers affecting the bone tissues, primarily occurred in children and adolescence. Recently, chemotherapy followed by surgery and then post-operative adjuvant chemotherapy is widely used for the treatment of OS. However, the lack of selectivity and sensitivity to tumor cells, the development of multidrug resistance (MDR), and dangerous side effects have restricted the use of chemotherapeutics.

Main body: There is an unmet need for novel drug delivery strategies for effective treatment and management of OS. Advances in nanotechnology have led to momentous progress in the design of tumor-targeted drug delivery nanocarriers (NCs) as well as functionalized smart NCs to achieve targeting and to treat OS effectively. The present review summarizes the drug delivery challenges in OS, and how organic nanoparticulate approaches are useful in overcoming these barriers will be explained. The present review describes the various organic nanoparticulate approaches such as conventional nanocarriers, stimuli-responsive NCs, and ligand-based active targeting strategies tested against OS. The drug conjugates prepared with copolymer and ligand having bone affinity, and advanced promising approaches such as gene therapy, gene-directed enzyme prodrug therapy, and T cell therapy tested against OS along with their reported limitations are also briefed in this review.

Conclusion: The nanoparticulate drugs, drug conjugates, and advanced therapies such as gene therapy, and T cell therapy have promising and potential application in the effective treatment of OS. However, many of the above approaches are still at the preclinical stage, and there is a long transitional period before their clinical application.

Keywords: Osteosarcoma, Nanocarriers, Stimuli-responsive nanocarriers, Active targeting, Gene therapy, T cell therapy

Background

Of the many bone cancers, osteosarcoma (OS) is the most general prime malignant bone tumor accounting for 60% [1]. Both children and adults between 10 and 20 years of age are affected by OS. OS is a complex unbalanced karyotype tumor having some chromosomal aberrations. Although a variety of genetic factors has been

correlated with OS, the specific cause of the OS is not known. Pain is one of the frequent symptoms of OS.

Recently, chemotherapy followed by surgery and then post-operative adjuvant chemotherapy is the widely used conventional strategies for OS treatment. However, the clinical applications of most of the chemotherapeutics have been limited due to lack of selectivity and sensitivity to tumor cells, toxicity towards normal cells, multidrug resistance (MDR), poor pharmacokinetic performance and, etc. [2, 3]. Furthermore, lower blood flow to the bone also acts as a barrier (blood-bone marrow barrier) in the delivery of anti-tumor therapeutics to the bone [4]. Therefore, there is an unmet need to develop

* Correspondence: sujitdesai1@gmail.com

¹School of Pharmacy, Suresh Gyan Vihar University, Mahal Rd, Mahal, Jagatpura, Jaipur, Rajasthan 302017, India

²Arasahab Dange College of D Pharmacy, Asha, Tal: Walwa, Dist.: Sangli, Maharashtra 416301, India

Full list of author information is available at the end of the article



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Antidiabetic and antihyperlipidemic effects of *Argyrea pierreana* and *Matelea denticulata*: Higher activity of the micellar nanoformulation over the crude extract



Venkataiah Gudise ^{a,*}, Bimalendu Chowdhury ^b, Arehalli S. Manjappa ^c

^a Department of Pharmacology, SSJ College of Pharmacy, Vattinagulapally, Gandipet, Hyderabad-500075, Telangana State, India

^b Department of Pharmacology, Roland Institute of Pharmaceutical Sciences, Khodasingi, Berhampur-760010, Odisha, India

^c Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar-416113, Maharashtra, India

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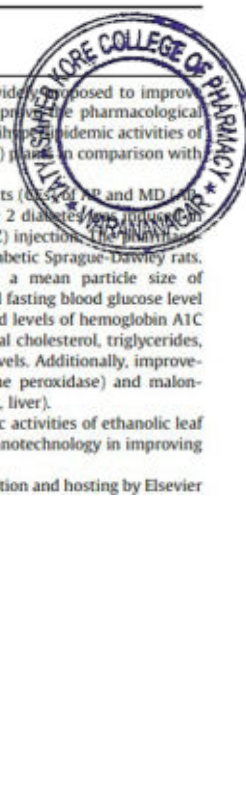
ABSTRACT

Background and aim: Herbal medicine combined with nanotechnology is widely proposed to improve the oral bioavailability, reduce the required dose and side effects, and improve the pharmacological efficacy of extracts. Thus, this study evaluated the *in vivo* antidiabetic and antihyperlipidemic activities of ethanolic leaf extracts of *Argyrea pierreana* (AP) and *Matelea denticulata* (MP) plants in comparison with their micellar nanoformulations.

Materials and methods: The mixed micelles (MMs) loaded with crude extracts (CEs) of AP and MD (AP-MMs and MD-MMs) were prepared using a film dispersion technique. Type 2 diabetes was induced in rats using high-fat diet (HFD) and low-dose (35 mg/kg) streptozotocin (STZ) injection. The pharmacological actions of CE, AP-MMs and MD-MMs were determined in type 2 diabetic Sprague-Dawley rats. **Results:** Oral treatments with low-dose AP-MMs and MD-MMs having a mean particle size of 163 ± 10 nm and 145 ± 8 nm respectively, resulted in significantly decreased fasting blood glucose level and increased serum insulin, glucokinase levels, and normalized the elevated levels of hemoglobin A1C and glucose-6-phosphatase. Both extracts significantly decreased serum total cholesterol, triglycerides, and low-density lipoprotein, as well as elevated high-density lipoprotein levels. Additionally, improvements in antioxidant enzymes (superoxide dismutase, catalase, glutathione peroxidase) and malondialdehyde levels were evidenced clearly in tested vital organs (brain, heart, liver).

Conclusion: This is the first report of the antidiabetic and antihyperlipidemic activities of ethanolic leaf extracts of AP and MP plants. Our findings indicate the potential utility of nanotechnology in improving the oral therapeutic efficacy of herbal extracts.

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Formulation, Evaluation and Optimization of Sustain Release Matrix Tablet of Diltiazem HCl by Using Hydrophilic Natural Polymers

Sharad Kamble¹, Sunita Shinde²

¹Department of Pharmaceutics, Nootan College of Pharmacy, Kavathe Mahankal, Sangli, Maharashtra, India

²Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy Warananagar, Kolhapur, Maharashtra, India

ABSTRACT

Diltiazem HCl is a Calcium channel blocker which is used as anti-anginal and Class IV anti-arrhythmic drug. It is a drug of choice for stable and unstable angina pectoris, myocardial infarction, coronary artery spasm, cardiac arrhythmia, PSVT and hypertension. In this study, sustained release matrix tablets of Diltiazem HCl were prepared by wet granulation method. The formulation of each Diltiazem HCl sustained release matrix tablets is composed of two selected polymers i.e. chitosan and xanthan gum in alone or in combination. The other excipients used were lactose monohydrate for its diluent property, PVP K-30 as a binder and magnesium stearate and talc for lubrication. The weight of tablet was adjusted to 200 mg and each tablet contained 90 mg Diltiazem HCl. Total 9 batches (F1-F9) were prepared. Batch F1, F2 and F3 containing a single polymer i.e. xanthan gum in concentration of 15, 20 and 25% of total weight of the tablet. Batch F4, F5 and F6 containing a single polymer i.e. chitosan in concentration of 20, 30 and 40% of total weight of the tablet. Batch F7, F8 and F9 containing combination of both polymers i.e. xanthan gum & chitosan in concentration of percentage ratio of 15:25, 17.5:25

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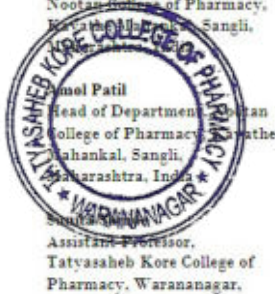
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Sharad Kamble
Assistant Professor,
Department of Pharmaceutics,
Nootan College of Pharmacy,
Kavathe, Sangli,



Amol Patil
Head of Department, Nootan
College of Pharmacy, Kavathe
Panhalkal, Sangli,
Maharashtra, India
Sunita Shinde
Assistant Professor,
Tatyasaheb Kore College of
Pharmacy, Warananagar.

A review on current nutraceuticals in the management of osteoarthritis

Sharad Kamble, Amol Patil, Sunita Shinde and Hrithik Ankush

Abstract

Osteoarthritis (OA) is a progressive degenerative joint syndrome that has a major impact on joint function and quality of life. Nutraceuticals and nutritional supplement derived from herbs have long been used in traditional remedy and there is considerable evidence that nutraceuticals may play an important role in irritation and joint demolition in OA. We review the biological effects of some medicinal fruits and herbs like pomegranate, green tea, cat's claw, devil's claw, ginger, Indian olibaun, turmeric and ananas. So in an attempt to understand the essential molecular targets involved in irritation and the joint destruction process and to summarize their toxicities and efficacy for OA management. So far there is insufficient reliable evidence on the effectiveness of ginger, turmeric and ananas. Pomegranate and green tea only have preclinical evidence of efficacy due to the bee deficient in of clinical data. In vivo and clinical studies are required to understand their targets and efficacy in OA. There is strong clinical evidence of the efficacy of devil's claw in relieving pain. However, high-quality clinical trials are required to determine its effectiveness. No severe side effects have been

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A remarkable **in vitro** cytotoxic, cell cycle arresting and proapoptotic characteristics of low-dose mixed micellar simvastatin combined with alendronate sodium

Sandip A Bandgar^{1, 2}, Namdeo R Jadhav³, Arehalli S Manjappa⁴

Affiliations – collapse

Affiliations

- 1 Department of Pharmaceutics, Ashokrao Mane College of Pharmacy, Peth Vadgaon, Maharashtra, 416112, India.
- 2 Department of Pharmaceutics, Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, 416013, India.
- 3 Department of Pharmaceutics, Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, 416013, India. nrjadhav18@rediffmail.com.
- 4 Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra, 416113, India.

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Abstract

The objective of the present study was to screen the effect of increased simvastatin (SVS) solubility, through mixed micelles as a model approach on *in vitro* anticancer efficacy in combination with

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Design and Development of Nifedipine Extended Release Tablet Double Rotary Bi- Layered Compression Machine

Sunita S Shinde^{1*},
Sharad K Kamble² and
Manohar D Kengar²

- 1 Department of Pharmaceutics, TKCP
Warnanagar, Maharashtra, India
- 2 Department of Pharmaceutics, Nootan
College of Pharmacy Kavathemahankal,
Maharashtra, India

*Corresponding author: Sunita S Shinde

✉ sharadkamble5@gmail.com

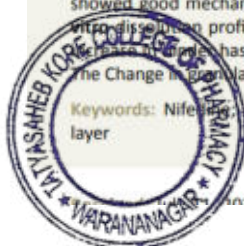
Department of Pharmaceutics, TKCP
Warnanagar, Maharashtra, India.

Citation: Shinde SS, Kamble SK, Kengar MD (2020) Design and Development of Nifedipine Extended Release Tablet Double Rotary Bi- Layered Compression Machine. Int J Drug Dev & Res. Vol.12 No.4:154

Abstract

The aim of the present work was to Design and development of Nifedipine extended release tablet 90 mg by double rotary bi layered compression machine that can provide continuous drug release for period of 24 hours. The granules prepared using polymers such as polyethylene glycol 4000, HPMC and cellulose acetate etc. the osmotic pump mechanism was used, after that mechanical drilling machine was used for drilling with respect in size. Prior to compression, the prepared granules were evaluated for flow and compression characteristics. The principle shows two compartments was present such as the drug layer and push layer, after some time push layer goes contact with aqueous medium then swelling of push layer and suspend drug particle and flow through the delivery orifice. Prepared Nifedipine extended release tablet was evaluated for *in vitro* drug release study. The prepared Nifedipine extended release tablet 90 mg showed good mechanical properties (hardness and friability) as well as good *in vitro* dissolution profile showing the release of constant drug for 24 hours. The release profile has retarding effect leading to the decrease in the dissolution. The Change in dissolution time with respect to increase in parameters

Keywords: Nifedipine; Extended release tablet; Infrared Spectroscopy; Push pull layer



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Development of Lipid-Drug Conjugate Nanoparticles for Hydrophilic and Lipophilic Drug: A Comparative Ex vivo Gut and Caco-2 Cell Permeability Study

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Authors: Kumbhar, Popat S.; Manjappa, Arehalli Sidramappa; Shete, Abhijeet Dilip; Disouza, John Intru

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Abstract

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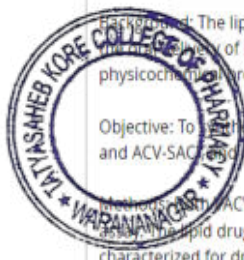
Citations

Supplementary Data

Background: The lipid-drug conjugate nanoparticles (LDC NPs), amongst other lipidbased nanoparticles, are the most accepted ones for the delivery of both hydrophilic and hydrophobic drugs with poor bioavailability. Besides, the LDC NPs show altered physicochemical properties of the drug and have the potential applications in targeting the drug to a specific organ.

Objective: To synthesize hydrophilic Valacyclovir (VACV)-stearic acid (SA) and lipophilic Acyclovir (ACV)-stearic acid conjugates (VACV-SAC and ACV-SAC) and develop their nanoparticles (VACV-LDC-NPs and ACV-LDC-NPs) for improved intestinal permeability.

Methods: VACV-SAC and ACV-SAC were synthesized and confirmed using FTIR, NMR, and DSC techniques and characterized for their physicochemical properties. The lipid drug conjugate nanoparticles (LDC NPs) were prepared using cold high-pressure homogenization technique and characterized for drug content, mean particle size, zeta potential, ex vivo gut permeability using rat gut sac model, and Caco-2 cell permeability.



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RESEARCH

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Podophyllotoxin-polyacrylic acid conjugate micelles: improved anticancer efficacy against multidrug-resistant breast cancer



Popat S. Kumbhar, Asmita M. Sakate, Onkar B. Patil, Arehalli S. Manjappa and John I. Disouza*

Abstract

Background: Podophyllotoxin (PPT) is a naturally occurring compound obtained from the roots of *Podophyllum* species, indicated for a variety of malignant tumors such as breast, lung, and liver tumors. This toxic polyphenol (PPT) exhibited significant activity against P-glycoprotein (P-gp) mediated multidrug-resistant (MDR) cancer cells. However, extremely poor water solubility, a narrow therapeutic window, and high toxicity have greatly restricted the clinical uses of PPT. Therefore, the present research was aimed to synthesize the water-soluble ester prodrug of PPT with polyacrylic acid (PAA), a water-soluble polymer by Steglich esterification reaction, and to screen it for assay, solubility, in vitro hemolysis, in vitro release, and in vitro anticancer activity.

Results: The Fourier transform infrared (FTIR) and nuclear magnetic resonance (NMR) spectroscopy results revealed the successful synthesis of podophyllotoxin-polyacrylic acid conjugate (PPC). The assay and saturation solubility of the prodrug is found to be $64.01 \pm 4.5\%$ and 1.39 ± 0.05 mg/ml (PPT equivalent) respectively. The PPC showed CMC (critical micelle concentration) of 0.430 mg/ml in distilled water at room temperature. The PPC micelles showed a mean particle size of 215 \pm 11 nm with polydispersity index (PDI) of 0.193 ± 0.006 . Further, the transmission electron microscope (TEM) results confirmed the self-assembling character of PPC into micelles. The PPC caused significantly less hemolysis ($18.6 \pm 2.9\%$) than plain PPT solution. Also, it demonstrated significantly ($p < 0.01$) higher in vitro cytotoxicity against both sensitive as well as resistance human breast cancer cells (MCF-7 and MDA MB-231) after 48 h of treatment.

Conclusion: The obtained study results clearly revealed the notable in vitro anticancer activity of PPT following its esterification with PAA. However, further in vivo studies are needed to ascertain its efficacy against a variety of cancers.

Keywords: Podophyllotoxin prodrug, PAA, Hemolysis, In vitro release, Cytotoxicity

Background

Cancer or malignancy is a heterogeneous disease characterized by abnormal cell mitosis, and is a serious health concern around the world. Cancer predominance and mortality are expanding year by year and creating a heavier burden globally [1].

Chemotherapy is the most preferred among the available treatment strategies and has been proven to be

effective in clinics. But, the multidrug resistance (MDR) is one of the challenges in the efficient treatment of cancers. A toxic polyphenol podophyllotoxin (PPT) was obtained from the roots of plants from the genus *Podophyllum* [2] and can be used to treat cancers like breast, lung, and liver cancer and it acts by blocking cell division [3, 4]. In earlier research papers, it is reported that PPT is capable to kill effectively the MDR (P-gp mediated) cancer cells and therefore used to treat a variety of MDR tumors efficiently [5–8]. However, the clinical applications of PPT are significantly restricted due to its



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Original article

Development and validation of RP-HPLC
method for simultaneous estimation of
docetaxel and ritonavir in PLGA nanoparticles
Développement et validation de la méthode
RP-HPLC pour la détermination simultanée du
docétaxel et du ritonavir dans des
nanoparticules polymériques

P.S. Kumbhar^a, Sonali K. Diwate^{a,b}, U.G. Mali^a, T.U. Shinde^a, J.I. Disouza^a  
A.S. Manjappa^a  

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Page | 157/182



OPTICULATE COMBINATION OF DRUGS FOR THE TREATMENT OF
OSTEOSARCOMA: A REVIEW

SCVU JOURNAL OF PHARMACEUTICAL RESEARCH & EDUCATION, VOLUME 5 ISSUE 1, 2020

Dr. Preeti Khulbe¹, Dr. Arehalli Manjappa³

1. Gyan Vihar School of Pharmacy, Suresh Gyan Vihar University, Jaipur, Rajasthan, India,
2. Annasaheb Dange College of D Pharmacy, Ashta, Maharashtra, India.
3. Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra, India

ABSTRACT

Malignancy speaks to a gathering of heterogeneous ailments described by uncontrolled development and spread of abnormal cells, at last leading to death. Nanomedicine assumes a huge job in the advancement of nanodrugs, nanodevices, drug delivery systems as well as nanocarriers. A portion of the significant issues in the treatment of cancer are multidrug resistance (MDR), restricted helpful window and undesired symptoms of accessible anticancer drug and the constraints of anticancer drugs. A few nano systems being used for recognition, determination and treatment, for example, theranostic bearers, liposomes, carbon nanotubes, quantum spots, polymeric micelles, dendrimers and metallic nanoparticles. Nonetheless, non-biodegradable nanoparticles cause high tissue aggregation and prompts harmfulness. MDR is viewed as a significant obstruction to disease treatment because of metastatic tumors that create protection from chemotherapy. MDR adds to the disappointment of chemotherapies in different diseases, including bosom, ovarian, lung,

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Announcement | 9 January 2020

Genome Sequence of *Lactobacillus plantarum* Strain JDARSH, Isolated from Sheep Milk

Authors: Abhinandan, Anamika Dubey, Muneer Ahmad Malla, John Dsouza, Shivaji Pawar, Abdulaziz A. Alqarawi, Abeer Hashem, Hossain Fathi Abd, Anshu Wani Kumar | AUTHORS INFO & AFFILIATIONS

<https://doi.org/10.1186/1475-2875-19-157> • Check for updates

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ABSTRACT

Lactobacillus plantarum strain JDARSH, a potential probiotic with a wide range of functions, was isolated from sheep milk. Here, we report the whole-genome sequence of this bacterium. The draft genome yielded a 3.20-Mb genome and 2,980 protein-coding sequences.

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ACCELERATED STABILITY STUDY OF ARSENAZO III USED FOR DETECTION OF CALCIUM FROM BIOLOGICAL SYSTEM THROUGH UV-SPECTROPHOTOMETER, BIOCHEMISTRY ANALYZER, PH METER, HPLC AND HPTLC

J. R. Kamble, A. S. Sherikar* and J. I. Disouza

Department of Quality Assurance, Tatyasaheb Kore College of Pharmacy, Warananagar, Panhala, Kolhapur - 416113, Maharashtra, India.

Keywords:

In-vitro, linearity, Arsenazo III, Biochemistry analyzer, Shelf life and retention time

Correspondence to Author: A. S. Sherikar

Department of Quality Assurance,
Tatyasaheb Kore College of
Pharmacy, Warananagar, Panhala,
Kolhapur - 416113, Maharashtra,
India.

E-mail: amol.sherikar@gmail.com

ABSTRACT: Objective: Stability of *In-vitro* Diagnostics (IVDs) reagents was performed to check its quality standards, performance, and linearity. IVDs like Calcium reagent containing Arsenazo III were studied by Accelerated stability studies by considering temperature, pH, and light parameters. **Materials and Methods:** Stability data were obtained by using different instruments like UV spectrophotometer, Biochemistry analyzer, pH meter, HPLC, and HPTLC. This gives information about the degradation that occurred during storage, transportation, etc. **Results:** Calcium reagent containing Arsenazo III degrade 90.81% when placed at 42 °C by UV spectrophotometer analysis. The stability conditions' effect on actual serum concentration was measured by taking reagent performance on a biochemistry analyzer. The linearity of reagents decreases at 42 °C and at normal temperature, linearity does not change. HPLC spectra gave degradation of reagent, which was analyzed by its retention time, peak height, and % area. Arsenazo III produces 91.25% remains undecomposed in 3 months when exposed to light. The shelf life of the calcium reagent was found to be 85.36. HPTLC spectra gave degradation of Arsenazo III, which was analyzed by its retention time, peak height. The reagent, during its stability studies, shows a slight change in its pH. **Conclusion:** From HPLC and HPTLC analysis, it is confirmed that the degradation occurred in Arsenazo III after exposed to an accelerated stability study.

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Design, Development and Assessment of Herbal Lipstick from Natural Pigments

Page | 160/182



*Mahantesh M.C., Manjappa A.S., Shinde M.V., Sherikar A.S., Disouza J.I., Namrata B.U, Kranti K.R., Ajija W.C.
Tatyasaheb Kore College of Pharmacy, Warananagar-416113, Maharashtra, India.
*Corresponding author's E-mail: mc_mahantesh@rediffmail.com

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ABSTRACT

Natural pigment or colorant in the cosmetics, are inconceivable in demand since, historical time till day. The colors that add to the shade of the lipstick, are unsafe to people on utilization can bring about sensitivity, sickness, dermatitis, and drying of the lips. The usage of natural dyes and pigments, increase more importance in food and textile industries because of their non toxic and eco friendly characteristics. Coloring pigments is obtained from petals of *Rosa rubiginosa*, flower of *Bougainvillea spectabilis*, *Beta vulgaris* (Beetroot) and flower of *Crocus sativus*.(F1 to F4) and were evaluated on the parameters such as melting point, breaking point, force of application, surface anomalies, aging stability, solubility, pH, skin irritation and perfume stability etc... The results are shown in tab.4 and prepared lipstick in fig.2 F1 to F4. The prepared lipstick formulations F1, F2 and F4 showed ideal properties like shining, spreading and smoothness of lips after application. Further studies through a detailed clinical trial may be suggested to ensure safety of these formulations. Hence from present investigation it was concluded that, formulated herbal lipstick having minimal and no side effects and thus showing maximum local effect on lips.

Keywords: Herbal cosmetics, lipstick, natural pigments, formulation evaluation

INTRODUCTION

With the beginning of the civilization, Herbal cosmetic also known as "natural cosmetics", peoples (men and women) had the magnetic dip towards impressing others with their looks was reported¹and there area number of wide range of herbal cosmetics products to satisfy your beauty regime, is very safe for the skin. The human beings have been using herbs for different purpose like food, medicine, beautifying with the advancement of science & technology was studied².

The phenomenon of herbals, nowadays becoming a full fledged, encircling both health and beauty care. The lips perhaps constitute the most sensitive part of our body and it is also very close to the nose and mouth. The

great demand in both developing and developed countries⁴, the demand of herbal medicines is increasing rapidly due to their lack of side effects was reported⁵.

In another study, Natural pigment or color in biological system is one, that is synthesized and accumulated in, or extracted from living cells and natural dyes may be defined as chemicals which are obtained from vegetable and animal sources without chemical processing. The applied colour should be fast to sunlight, water washing and to action of mild acid and alkali. The different natural colorants are obtained from following categories is shown in the table 1⁶⁻⁹.

The taking into consideration the importance of natural products, the present work was aimed at formulating and evaluating lipsticks containing only natural ingredients. The ingredients included in the study. extracts of the

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RESEARCH

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Ameliorated in vitro anticancer efficacy of methotrexate D- α -Tocopheryl polyethylene glycol 1000 succinate ester against breast cancer cells



Arehalli S. Manjappa^{*}, Popat S. Kumbhar, Rohini Kasabe, Sonali K. Diwate and John I. Disouza

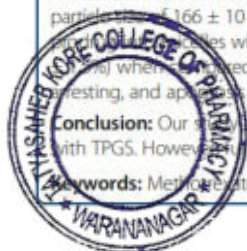
Abstract

Background: Methotrexate (MTX), a folate anti-metabolite, has been used widely in the treatment of plenty of malignancies. However, the clinical use is limited because of its poor water solubility (BCS class II drug), nonspecific distribution, drug resistance, short circulation half-life, and toxicity. The objective of the present research was to synthesize the ester prodrug of MTX with D- α -Tocopheryl polyethylene glycol 1000 succinate (TPGS) and characterize for in vitro anticancer efficacy.

Results: The FTIR and NMR results revealed the successful synthesis of the prodrug. The assay and saturation solubility of the prodrug is found to be $23 \pm 2.5\%$ and 6.7 ± 1.3 mg/mL (MTX equivalent) respectively. The CMC of the prodrug in distilled water at room temperature is found to be 36.9 ± 2.6 μ g/mL. The prepared prodrug micelles showed a mean particle size of 166 ± 10 nm (PDI, 0.325 ± 0.09). Further, the TEM results confirmed the self-assembling character of the prodrug micelles with a nearly spherical shape. The prodrug caused the significantly ($p < 0.01$) less hemolysis (16.8%) when compared to plain MTX solution and significantly higher ($p < 0.01$) in vitro cytotoxicity, cell cycle arresting, and apoptosis against human breast cancer cells (MCF-7 and MDA-MB-231).

Conclusion: Our study results revealed the remarkable in vitro anticancer activity of MTX following its esterification with TPGS. However, further, in vivo studies are needed to prove its efficacy against different cancers.

Keywords: Methotrexate prodrug, TPGS, Cytotoxicity, Cell cycle analysis and apoptosis



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**BIOLOGICAL ACTIVITIES OF *CASSIA OCCIDENTALIS* LINN: A
SYSTEMATIC REVIEW**

Mahanthesh M. C.¹, Manjappa A. S.², Sherikar A. S.³, Disouza J. I.⁴ and Shinde M. V.⁵

Department of Pharmacognosy¹, Department of Pharmaceutics^{2,4}, Department of
Pharmaceutical Chemistry^{3,5}

Tatyasaheb Kore College of Pharmacy, Warananagar, 416 113, Maharashtra, India.

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ABSTRACT

Cassia occidentalis L. (Kasamardah), Negro coffee, Family leguminose, is an erect, perennial plant and have traditional practice, as well as wide Phytochemicals and having diverse biological activities, known to possess antiallergic, antibacterial, antidote for poison, blood purifier, antifungal, antidiabetic, anti-inflammatory, antimutagenic, psoriasis, melanoblast cell line leprosy and hepatoprotective activity. Chemicals including achrosin, aloeoemodin, cassia occidentanol I, cassia occidentanol II, emodin, anthraquinones, anthrones, apigenin, aurantiobtusin, campesterol, cassiollin, chryso-obtusin, chrysophanic acid, chrysarobin, chrysonhanol, chrysoeriol. The presented review

*Corresponding Author

Mahanthesh M. C.

Department of
Pharmacognosy, Tatyasaheb
Kore College of Pharmacy,
Warananagar, 416 113,



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COMPARATIVE STUDIES OF VARIOUS ADSORBENT CARRIERS FOR ENHANCING DISSOLUTION PROFILE OF KETOPROFEN

Shinde Sunita S.¹ and Kamble Sharad K.²

¹Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy Warananagar, Kolhapur Maharashtra, India.

²Department of Pharmaceutics Nootan College of Pharmacy Kavathe Mahankal, Sangli Maharashtra, India.

*Corresponding Author: Dr. Shinde Sunita S.

Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy Warananagar, Kolhapur Maharashtra, India.

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ABSTRACT

In recent times, a large number of studies concerning the improvement of the dissolution rate of poorly water-soluble drugs is focused on the application of various porous materials as the drug carriers. These materials have attracted the attention of researchers owing to their outstanding properties such as large surface area, high pore volumes, microporosity and possibility of surface functionalization. In the present study, the biopharmaceutical performance of porous adsorbents as a carrier for the poorly water soluble drug Ketoprofen was investigated. Ketoprofen loaded different adsorbents with high specific surface area were used like Neusilin, Sylysia, Fujicalin and Neusilin, and it was done by solvent evaporation method. It was noticed that porous structure is responsible for an amorphous state of the drug and thus the improvement of its dissolution rate. From this research work it can be concluded that although the porous carrier particles help to enhance dissolution rate, including stability studies.



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RESEARCH PAPERS

STUDIES ON SOLUBILITY ENHANCEMENT OF TELMISARTAN BY
ADSORPTION METHOD

By

SHARAD KAMBLE *

SUNITA SHINDE **

* Department of Pharmaceutics, Nootan College of Pharmacy, Kavathe Mahankal, Sangli, Maharashtra, India.

** Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy Warananagar, Kolhapur, Maharashtra, India.

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Date Accepted: 26/11/2019

ABSTRACT

In this study precipitated form of Telmisartan was prepared by using Solvent evaporation technique and Spray drying technique. For this the author used adsorbents like Sylysia, Neusilin, and diluents like Lactose Monohydrate and Avicel. All these prepared batches were screened by performing Drug content, saturation solubility and dissolution study of the prepared batches. This obtained optimized batch, was further characterized by using the dissolution test, Differential Scanning Calorimetry (DSC), X-Ray powder Diffractometer (XRD), and USP Dissolution test apparatus.

Keywords: Telmisartan, Solvent Evaporation Method, Spray Drying Technique, Adsorbent Carrier like Neusilin, and Sylysia, Diluents Like Lactose Monohydrate and Avicel, Dissolution Rate.

INTRODUCTION

Low aqueous solubility is the major problem encountered with formulation development of new chemical entities as well as for the generic development. More than 40% of NCEs (new chemical entities) developed in pharmaceuticals are practically insoluble in water. Solubility is a major challenge for formulation scientist. Solubility depends on dynamic equilibrium, which means

drug is considered highly soluble, when the highest dose Saturated solutions of ionic compounds of relatively low strength is soluble in 250mL or less of aqueous media over the pH range of 1 to 7.5. Solubility is sometimes described by solubility constants. This is a case of equilibrium process. It describes the balance between dissolved ions from salt and undissolved salt. Similar to other equilibrium constants, temperature affects the numerical value of solubility



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- Authors:** Sujitkumar K. Devkar, Vinit R. Sulakhe*, Sagar L. Pol, Kiran S. Patil, Sachin S. Mali
- Abstract:** The Objective of present work is to develop a Solid Self Emulsifying Drug Delivery System (S-SMEDDS) of poorly water soluble drug Nitrofurantoin (NFT). Nitrofurantoin is antibiotic or antimicrobial drug belongs to BCS Class II drug, having half-life 20 minutes. For formulation; solubility of NFT was determined in oil, surfactant and co-surfactant. The final components of micro-emulsion were found to be Cinnamon oil, Tween 20 as surfactant and PEG400 as a co-surfactant. Pseudoternary phase diagram NFT loaded micro-emulsion were prepared and optimized by using design of Experiments (DOE). By considering 2 factor globule size and emulsification time the 9 formulations were prepared. Batch No. 5 was selected on the basis of optimization of globule size 0.482 and emulsification time 75sec. According to the design of experiments, probability plots, pounter plots, pormal probability, Response surface plot 3D response curve it was observed that with increase in ratio of surfactant to co-surfactant and emulsification time leads to decrease in particle size. Formulated NFT SMEDDS was characterized for the various tests followed by formulated liquid microemulsions was converted into solid by Adsorption technique by using Neusilin US2. Solid SMEDDS formulation was tested for release test behavior ETID, PGP, 45% and 50% etc. Results showed that drug releases from C...
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Evaluation of Lactobacillus plantarum growth in milk of Indian buffalo breeds based on its physico-chemical content [2019]

Journal of Buffalo Research, Volume 35, Number 1, 2020
Journal Editor: Dr. Jyoti Patil (D.Y. Patil University, Centre for Interdisciplinary Research, Kolhapur (India)) E-mail: jpatil1946@gmail.com; abhisir5@gmail.com; John Disouza(D.Y. Patil University, Centre for Interdisciplinary Research, Kolhapur (India)); Shivaji Pawar(Sinhgad Institutes, Solapur (India), Centre for Research and Technology Development).

The study reports the physico-chemical content of raw and pasteurization milk from Bhadawari, Mehsana and Nagpuri Indian buffalo breeds. The study determined the protein, fat, lactose, total solid content, and percentage of casein of the raw milk for Nagpuri, Mehsana and Bhadawari as 4.5±0.51, 5.1±0.41, 4.8±0.41, 7.2±0.41, 11.1±0.66, 7.0±0.84, 5.4±0.65, 6.2±0.65, 5.1±0.54, 17.2±1.21, 18.8±1.54, 18.1±1.22, 10.8±1.20, 11.4±1.02 and 11.5±0.95 respectively. The study further extended to determine the growth profile of Lactobacillus plantarum (LAB) isolated from sheep milk, in the milk of different buffalo breeds. The isolate was identified as a LAB by 16S rRNA sequencing technique. These LAB thrived in the different milk were characterized by their growth unit (CFU). The study finally revealed that CFU count was found significantly higher (P < 0.05) in Mehsana milk as comparative to other milk treated samples of Nagpuri and Bhadawari buffalos.

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- milk
- India
- food processing
- chemico-physical properties
- cell counting

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DESIGN AND EVALUATION OF GUANFACINE EXTENDED RELEASE FORMULATION

*SANJEEVANI DESAI¹, DURGACHARAN BHAGWAT², SUNITA SHINDE¹, JOHN DISOUZA¹

¹Tatyasaheb Kore College of Pharmacy, Warananagar, 416113, Maharashtra, India, ²Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, India.
Email: srdesai.tkcp@gmail.com

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ABSTRACT

Objective: The present study was aimed to develop of the Guanfacine Hydrochloride Extended-release tablets for the treatment of Attention Deficit Hyperactivity Disorder (ADHD). The dosage regimen of Guanfacine Hydrochloride is 4 mg at every 6 h. The concentration of Guanfacine in plasma is fluctuating. Hence, to control the plasma fluctuation and to avoid toxicity problem, Guanfacine Hydrochloride was chosen as a drug with an aim to develop an extended release system for 20 to 24 h.

Methods: The design of the system was based on the use of pH-dependent polymer (Hydroxypropyl Methyl Cellulose), pH-independent polymer (Eudragit L 100-55), along with microenvironment modifiers such as organic acid (Fumaric acid) were used in the formulation. Drug-excipient compatibility was studied by FTIR. Before compression, the granules were evaluated for precompression parameters such as bulk density, tapped density, an angle of repose, compressibility index and Hausner's ratio. After compression, evaluation tests of tablets such as general appearance, hardness, thickness, weight variation, friability, content uniformity, in vitro release studies and stability studies were performed.

Results: Out of 9 formulations, the drug release was found to be within the innovator formulation F9. The stability study of formulation F9 revealed there was no significant change in physical and chemical properties of drug stored at 40 °C/75 % RH, 30 °C/45 % RH, 25 °C/60 % RH for 2 mo.

Conclusion: Optimized formulation batch F9 showed highest F2 value which indicates similarity with innovator product. The study indicates that Guanfacine Hydrochloride Extended-release tablet was successfully developed.

Keywords: Extended-release, Solubility, pH-dependent polymer, In vitro study

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SIMVASTATIN LOADED NANO MIXED MICELLES: AN APPROACH TO TREAT HORMONE DEPENDENT CARCINOMAS

P. S. Kumbhar ^{*1}, N. J. Patil ¹, A. B. Patil ¹, U. Sambamoorthy ², J. I. Disouza ¹ and A. S. Manjappa ¹

Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy ¹, Warananagar, Panhala, Kolhapur - 416113, Maharashtra, India.

NRI College of Pharmacy ², Pothavarappadu, Agiripalli, Krishna - 522212, Andhra Pradesh, India.

Keywords:

Simvastatin, Single copolymer micelles, Mixed micelles, *In-vitro* hemolysis, MTT assay

Correspondence to Author:

Mr. Popat S. Kumbhar

Assistant Professor,
Department of Pharmaceutics,
Tatyasaheb Kore College of Pharmacy,
Warananagar, Panhala, Kolhapur -
416113, Maharashtra, India.

E-mail: pskumbhar1.tkep@gmail.com

ABSTRACT: The main objective of the present research was to develop mixed micelles using two biocompatible copolymers, D- α -tocopheryl polyethylene-glycol 1000 succinate (TPGS) and poloxamer 188 (P188) to improve the aqueous solubility and targeting efficacy of Simvastatin (SMV) against a variety of hormone-dependent cancers. A solvent evaporation technique prepared the plain/single copolymer micelles (SCMs) and mixed micelles (MMs). The prepared SCMs and MMs were characterized for critical micelle concentration (CMC), SMV content, particle size by dynamic light scattering (DLS), surface morphology by transmission electron microscopy (TEM), *in-vitro* SMV release and hemolysis. The SCMs and MMs showed mean particle size of 98 ± 5 nm and 129 ± 6 nm, respectively. SCMs showed SMV loading of $79.7 \pm 5.6\%$ while MMs exhibited improved SMV loading of 94.5 ± 6.5 . The developed MMs system showed significantly lower CMC (3.5 fold less) than SCMs revealing their higher *in-vitro* stability. Moreover, SCMs and MMs exhibited zero order release profile, lower hemolytic behavior (<5% of hemolysis), when compared to plain SMV solution. The *in-vitro* cytotoxicity assay was conducted on MCF-7 (human breast cancer) cell line. Cytotoxicity studies revealed significantly improved antitumor activity of MMs when compared to SCMs and plain SMV after both incubation time points (24 and 48 h). In conclusion, the developed

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Polymeric Mixed Micelles: Improving the Anticancer Efficacy of Single-Copolymer Micelles

Arehalli S. Manjappa,^{a,*} Popat S. Kumbhar,^a Ajit B. Patil,^a John I. Disouza,^a & Vandana B. Patravale^b

^aTatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Dist: Kolhapur, Maharashtra, India; ^bDepartment of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, Maharashtra, India

*Address all correspondence to: Dr. Arehalli S. Manjappa, Assistant Professor, Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, Tal: Panhala, Dist: Kolhapur, Maharashtra, India, 416113; Tel.: (02328) 223526; Fax: (02328) 223501, E-mail: manju_as82@yahoo.co.in

ABSTRACT: Mixed micelles self-assembled from two or more dissimilar block copolymers provide a direct and convenient approach to improved drug delivery. The present review is focused on mixed micelles (prepared from block copolymers only) for various drug delivery applications along with their merits over single-copolymer micelles. Presented are the physi-

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Page | 170/182

Shelf life stability of encapsulated lactic acid bacteria isolated from sheep milk thrived in different milk as natural media

Abhinandan Patil^a, John Disouza^a, Shivaji Pawar^{a, b}  



^a Centre for Interdisciplinary Research, D. Y. Patil University, Kolhapur, MS, India

^b Centre for Research and Technology Development, Sinhgad Institutes, Solapur, MS, India

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RESEARCH

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In vitro free radical scavenging and antidiabetic activity of aqueous and ethanolic leaf extracts: a comparative evaluation of *Argyrea pierreana* and *Matelea denticulata*



Venkataiah Gudise^{1*}, Bimalendu Chowdhury² and Arehalli S. Manjappa³

Abstract

Background: Oxidation is believed to play a vital role in the pathogenesis of diabetes mellitus by lipid peroxidation; DNA and protein damage leads to the development of vascular complications like coronary heart disease, stroke, neuropathy, retinopathy, and nephropathy. The herbal preparations are complementary and alternative medicines to allopathic drugs which are believed to cause adverse events. Therefore, the current study was aimed to identify the novel plants, which belong to the genera *Argyrea* (*Argyrea pierreana* (AP)) and *Matelea* (*Matelea denticulata* (MD)), and assess the aqueous and ethanolic leaf extracts for in vitro antioxidant and antidiabetic potential by DPPH, OH⁻, superoxide, and glucose uptake and gene expression (GLUT-4 and PPAR γ) studies using the L-6 cell line respectively.

Results: The preliminary scrutiny revealed the presence of polyphenols, flavonoids, terpenoids, steroids, tannins, alkaloids, and glycosides. The total phenolic and flavonoid contents of ethanolic extracts were found higher than those of aqueous extracts. The ethanolic extracts exhibited the superior antioxidant capacity when compared with aqueous extracts. However, the ethanolic extract of MD was shown superlative glucose uptake activity (72.54%) over control (0.037%) and GLUT-4 and PPAR γ gene expressions (1.17 and 1.20) in term of folds respectively over cell control (1.00).

Conclusion: The ethanolic leaf extracts of both plants showed significant in vitro antioxidant and antidiabetic activities compare to aqueous extracts. The *Matelea denticulata* ethanolic leaf extract exhibited superior activity. This superior activity might be due to their higher phenolic and flavonoid content. However, further approaches are needed to define these activities.

Keywords: *Argyrea pierreana*, *Matelea denticulata*, Antiradical activity, Antidiabetic activity, GLUT-4 and PPAR γ expression study

Background

Traditional herbal medicines have shaped the basis of human health care, and further research will improve global health [1, 2]. Presently, about 80% of the world population (according to WHO) uses herbal drugs for some aspects of primary health care. Globally, the use of medicinal plants predates antibiotics and other

contemporary drugs [3, 4]. In addition, many culinary herbs and spices were tested for their biological activities in Alzheimer's disease management and other chronic diseases [5, 6].

The natural antioxidant defence mechanism, in all human and other aerobic organisms, prevents the oxidative damage. Since the natural antioxidant defence mechanism is inadequate on its own, the nutritional consumption of antioxidants is suggested [7, 8]. Currently, synthetic antioxidants are replaced by natural antioxidants as the former are reported to have carcinogenic properties. Plants are the

* Correspondence: venkatpharma22@gmail.com

¹Department of Pharmacology, SSI College of Pharmacy, Vattinagulapally, Guntur, Hyderabad, Telangana State 500071, India

Full list of author information is available at the end of the article



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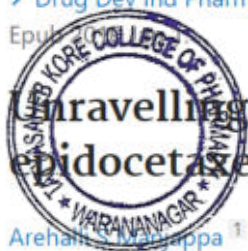
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Page | 172/182

Epub



Unravelling the anticancer efficacy of 10-oxo-7-epidocetaxel: in vitro and in vivo results

Arehan S. Mahappa^{1 2 3}, Rayasa S Ramachandra Murthy²

Affiliations — collapse

Affiliations

- 1 a Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Kolhapur, India.
- 2 b TIFAC Centre of Relevance and Excellence in New Drug Delivery Systems, G.H. Patel Pharmacy Building, Pharmacy Department, The Maharaja Sayajirao University of Baroda, Vadodara, India.
- 3 c Advanced Centre for Treatment Research and Education in Cancer, Tata Memorial Centre, Kharghar, India.

PMID: 30599774 DOI: 10.1080/03639045.2018.1562461

Abstract

Purpose: To prepare 7-epidocetaxel (7ED) and 10-oxo-7-epidocetaxel (10-O-7ED) formulations as like marketed Taxotere® (TXT) injection and to screen them for in vitro and in vivo anticancer efficacy including their in vivo toxicity behavior.

Methods: The 7ED and 10-O-7ED formulations were screened for in vitro anti-proliferative, anti-metastatic and cell cycle arresting behaviors. Further, in vivo acute toxicity of TXT injection containing 10% of 7ED and 10-O-7ED separately and the therapeutic study of 10-O-7ED alone were studied in B16F10 experimental metastasis mouse model.

Keywords: 10-O-7ED, in vitro, in vivo, toxicity, efficacy, 7ED, 10-O-7ED, 7ED, 10-O-7ED, 7ED, 10-O-7ED

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Design and development of aliphatic amino acid-cholesterol biomolecular scaffold as anticancer conjugates.

Mayuresh Shinde^{1*}, Shitalkumar Patil², Manish Bhatia³, Dhanashri Patil⁴, Sanjay Mishra⁴

¹Department of Pharmaceutical Chemistry, Tatyasaheb Kore College of Pharmacy, Warananagar, 416113, Maharashtra, India.

²Ashokrao Mane College of Pharmacy, Peth Vadgaon, 416112, Maharashtra, India.

³Department of Pharmaceutical Chemistry, Bharati Vidyapeeth College of Pharmacy, Kolhapur, 416013, Maharashtra, India.

⁴KAHER's Dr. Prabhakar Kore Basic Science and Research Center, Belagavi, 590010, Karnataka, India.

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*Corresponding author E-mail address: mvshinde.tkcp@gmail.com

ABSTRACT

We have developed lipoprotein macromolecular motif to target multiple type of cancerous cells. These scaffold moieties linked with anticancer agents for targeting release at specific site. Biomolecular network increases cellular penetration, specificity and efficacy. Molecular motifs containing these agents are readily degradable by enzymatic cleavage. Structural functionalities of these modified molecules generate response against cancerous cells. Lipids and protein conjugates improve drug delivery towards target tissues. Bioactive lipoprotein exerts inhibitory effect for progressing tumor tissues. Lipid-protein bioconjugates interact with tumor tissue proteins selectively for reducing toxicity of antitumor agents. Complexation of cholesterol with bioactive aliphatic amino acid yields complex scaffold possessing anticancer activity. Reaction was conducted using dicyclohexyl carbodiimide (DCC) and 4-dimethylamino pyridine (DMAP) in pyridine solvent. Developed conjugates were characterized by using TLC, IR, NMR and HRMS studies. Conjugates were screened for anticancer activity by using MTT assay for human lung cancer (A549), liver hepatocellular carcinoma (HepG2), Human colon cancer (HT-29), Breast carcinoma (MCF-7), Glioblastoma cell lines (U87 MG). All molecular motifs exhibited remarkable antitumor activity against specified cell lines. Non-toxicity towards normal mouse fibroblast (L-929) is the promising feature of synthetic biomolecular scaffold which indicates

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Page | 174/182

D-Gluconic acid–based methotrexate prodrug–loaded mixed micelles composed of MDR reversing copolymer: in vitro and in vivo results

Pragati S. Kumbhar, Swapnil Birange, Mahesh Atavale, John I. Disouza & Arehalli S. Manjappa

Colloids and Polymer Science 296, 1971–1981 (2018) | [Cite this article](#)

364 Accesses | 11 Citations | [Metrics](#)

Abstract

The main aim of the present research was to synthesize carbohydrate (D-gluconic acid, DGA) prodrug of methotrexate (MTX) to improve the aqueous solubility and to develop mixed micelles (MMs) composed of D- α -tocopheryl poly (ethylene glycol) 1000 succinate (TPGS) as an MDR reversing copolymer and poloxamer 407 (P-407) to deliver the MTX prodrug to tumor tissue via enhanced permeability and retention (EPR) mechanism. MTX-DGA conjugate (MDGAC) was synthesized using Steglich esterification reaction. The MDGAC-loaded TPGS and P-407 MMs (MDGAC-TP MMs) were prepared by solvent evaporation technique. MDGAC-TP MMs showed low critical micelle concentration, high drug loading, sustained release profile, lower hemolytic behavior, higher in vitro cytotoxicity against the human carcinoma cell lines KB and MDR KBv, and significantly reduced in vivo toxicity. Therefore, the developed MDGAC-TP MMs could be a promising and effective approach for

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Research Article

FORMULATION DEVELOPMENT AND EVALUATION OF ANTI-INFLAMMATORY POTENTIAL OF TOPICAL TENOXICAM NANOGEL ON ANIMAL MODEL

Chopade Swapnil¹, Khabade Sheeba¹, Patil Ajit³ and Powar Sayali²

¹Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar, Tal- Panhala, Dist- Kolhapur, 416113, M.S., INDIA

²Department of Pharmaceutical Chemistry, Tatyasaheb Kore College of Pharmacy, Warananagar, Tal- Panhala, Dist- Kolhapur, 416113, M.S., INDIA

³Department of Pharmacology, Tatyasaheb Kore College of Pharmacy, Warananagar, Tal- Panhala, Dist- Kolhapur, 416113, M.S., INDIA

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ABSTRACT

Background: The present study is to increase the transport of tenoxicam through transdermal route, and also to present it as a possible replacement for the oral NSAID therapy for rheumatoid arthritis.
Objective: The present investigation was to develop a tenoxicam nanogel with reduced particle size

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Research Article

**DEVELOPMENT AND VALIDATION OF A SIMPLE UV
SPECTROPHOTOMETRIC AND FLUOROMETRIC METHOD FOR THE
DETERMINATION OF VALACYCLOVIR HYDROCHLORIDE BOTH IN
BULK AND MARKETED DOSAGE FORM**

**PS. Kumbhar*, AC. Rukade, PS. Sawant, AT. Gaikwad, AA. Patil,
CM. Jamkhandi, MV. Shinde, AS. Manjappa and JI. Disouza**

Tatyasaheb Kore College of Pharmacy, Warananagar, Dist: Kolhapur,
Maharashtra, India.

ABSTRACT

Introduction: Several analytical methods such as high performance liquid chromatography (HPLC), UV-spectrophotometry and colorimetry have been reported for quantitative estimation of Valacyclovir hydrochloride in bulk and pharmaceutical formulations. The aim of this study was to develop simple, easily accessible and economic UV spectrophotometric and newer fluorometric methods. **Methods:** A simple, rapid, specific and cost effective spectrophotometric method using different solvents like methanol (Method A), ethanol (Method B), water (Method C) and phosphate buffer of pH 7.4 (Method D) and fluorometric method using solvents such as methanol (Method A), water (Method B) and 0.1N HCl (Method C) has been developed to determine the Valacyclovir hydrochloride content in bulk and pharmaceutical dosage formulations. **Results:** The calibration graph are linear and obeys beer's law in the concentration range of 2-20 µg/mL for all four spectrophotometric methods with a correlation coefficient (r^2) of 0.998, 0.996, 0.999 and 0.997, respectively while the calibration graph are linear in the concentration range of 1-10 µg/mL for all three fluorometric methods with a correlation coefficient (r^2) of 0.998, 0.999 and 0.999, respectively. The accuracy and precision of the methods were evaluated based on the intra-day and inter-day variations. The accuracy of the methods was further confirmed by standard addition procedure. The other characteristics such as limit of detection (LOD) and limit of quantification (LOQ) values are also reported. **Conclusion:** The obtained results proved that the developed methods can be employed for the routine analysis of

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ORIGINAL ARTICLES



Quality by Design-based Formulation and Evaluation of Fast Dissolving Tablet of Aspirin

PDF

Published: May 13, 2018

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Dr. S. R. Desai

Abstract

Aim: The focus of the current study was to develop fast dissolving tablet (FDT) of aspirin using quality by design (QbD) approach. QbD was applied for better understanding the process and to enhance design space, using quality target product profile, critical quality attributes, and risk assessment. The aim of the project is to achieve early onset of aspirin by FDT. Materials and Methods: FDT of aspirin was developed by 32 factorial using Boxâ€ Behnken design. In factorial design we have selected two variables povidone and crospovidone at three levels. The response surface plots were generated. Ultraviolet (UV), Fourier-transform infrared, differential scanning calorimeter (DSC), and X-ray diffraction (XRD) analysis have been done for pre-formulation and post-formulation evaluations. The tablets were prepared by direct compression method. Results and Discussions: The λ_{max} was confirmed at 275 nm by UV spectroscopy. In compatibility study IR, it was observed that the drug was in pure form and there were no major

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Article

Page | 178/182

Mixed Micelles as Nano Polymer Therapeutics of Docetaxel: Increased In vitro Cytotoxicity and Decreased In vivo Toxicity

June 2017, Current Drug Delivery, 15(4)

DOI:10.2174/1567201814666170621113637

Authors:



Arehalli S Manjappa

Shree Yashwant Shikshan Prasarak Man...



Popat S. Kumbhar

Tatyasaheb Kore College of Pharmacy, ...



Prajakta S Khopade

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Ajit B Patil

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DEVELOPMENT OF SPECTROPHOTOMETRIC AND FLUOROMETRIC METHODS FOR ESTIMATION OF DARUNAVIR USING QbD APPROACH

R. D. GODAMBE, J. I. DISOUZA, C. M. JAMKHANDI*, P. S. KUMBHAR

Tatyasaheb Kore College of Pharmacy Warananagar, Dist: Kolhapur (MS) India
Email: cmjamkhandi@gmail.com

Received: 22 Oct 2017, Revised and Accepted: 12 Dec 2017

ABSTRACT

Objective: The main objective of the present study is to develop newer simple, precise spectrophotometric and fluorometric methods of estimation for Darunavir using coupling agent O-phthalaldehyde.

Methods: The experimental work was designed for both spectroscopic and fluorometric method development and validation. The method is based on formation complex of Darunavir with O-phthalaldehyde. QbD approach was applied to study different parameters. These parameters were designed into Ishikawa diagram.

Results: The calibration curve in methanol with 0.1 N HCl showed linearity for both spectrophotometric and fluorometric methods. The calibration curve by spectrophotometry is linear in concentration range of 0.2-22 µg/ml with regression coefficient (R^2) = 0.998 at 355 nm and for fluorometry it is linear in concentration range of 0.5-5.0 µg/ml with regression coefficient (R^2) = 0.999. This method was found to be rugged and robust by performing robustness testing criteria with % RSD less than 2. The limit of detection and limit of quantification was found to be 0.2 µg/ml and 0.8 µg/ml for a spectrophotometric method and 0.43 µg/ml and 0.43 µg/ml for fluorometric method respectively.

Conclusion: Both methods were found to be precise with % RSD of less than 2. The % recovery of the spectrophotometric and fluorometric methods was found to be 101.04 %, 98.15 % respectively. In this way, the method all validation parameter were within the limits as per International Conference on Harmonization guideline.

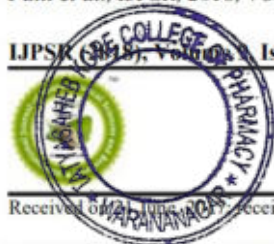
Keywords: Spectrophotometry, Fluorometry, Darunavir, Condensation reaction

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GRANULES OF UNISTRAIN *LACTOBACILLUS* AS NUTRACEUTICAL ANTIOXIDANT AGENT

Abhinandan Patil^{*1}, Shivaji Pawar^{1,2} and John Disouza¹

D. Y. Patil University¹, Centre for Interdisciplinary Research, Kolhapur - 416006, Maharashtra India.

Centre for Research and Technology Development², Sinhgad Institutes, Solapur - 413255, Maharashtra, India.

Keywords:

Probiotics, *Lactobacillus acidophilus*, Antioxidant

**Correspondence to Author:
Abhinandan Patil**

Ph.D. Student,
Department of "Centre for
Interdisciplinary Research"
D. Y. Patil University, Kolhapur
- 416006, Maharashtra India.

E-mail: abhisir5@gmail.com

ABSTRACT: The present study was conducted with the aim to prepare probiotics *Lactobacillus acidophilus* (*L. acidophilus*) granules which are stable at room temperature. *Lactobacillus acidophilus* 2285 probiotics was obtained from the N.C.I.M (National Collection of Industrial Microorganism), Pune. The formation of the semi-solid mass occurred after the further incubation at 34 °C from range (33 °C to 37 °C) in an incubator kept for the less than 24 hour time duration. This mass was homogenized and converted into granule formulation. The viability of the granule formulation was achieved with a maximum viable cell count after 24 hours of incubation in de Man, Rogosa, and Sharpe (M.R.S) agar media. Spray dried and tray dried powder of the probiotics is used for granulation, these drying methods served as a cheap alternative to the expensive freeze-drying procedure. The selected strain of *L. acidophilus* NCIM 2285 assessed for antioxidant activity. The antioxidant activity of *L. acidophilus* was demonstrated by *in-vitro* test using 2, 2--diphenyl-1-picrylhydrazyl free radical scavenging assay. The results showed that intact cells and cell-free extract of two formulations exhibited obviously higher antioxidative activity in scavenging DPPH radical than standard *L. rhamnose GG*, which was shown to have an

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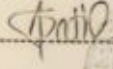
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This is to certify that Ms. Sipora Sudin Gaikwad,
a student of B. Pharmacy, Tatyasaheb Kore College of
Pharmacy, Warananagar has successfully completed
training programme from 28/11/17 to 14/12/17 at
Mistair Health & Hygiene Pvt. Ltd., Kolhapur.

During the period of her training programme with us she
was found punctual, hardworking & inquisitive.

We wish her Every Success in Life.


Ajit S Patil

Works Manager,

MISTAIR HEALTH & HYGIENE PVT. LTD.,

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Warananagar

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Intellectual Property Rights

Patents

Patent Application No.	Status of Patent (Published/Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Published Date / Granted Date (DD/MM/YYYY)
202221024815A	Published	Dr. A. S. Manjappa	Combination drug therapy	Dr. A. S. Manjappa	13/05/2022
202121023742	Published	Mr. Kiran Shivaji Patil	Transdermal ethosome composition of ranozaline	Mr. Kiran Shivaji Patil	--
202021038512	Published	Mr. P. S. Kumbhar	A novel bike friendly bright helmet with different safety features	Mr. P. S. Kumbhar	18/09/2020
201921009581 A	Published	Dr. A. S. Manjappa	Microparticles containing montelukast for inhalation therapy	Dr. A. S. Manjappa	19/04/2019
1943/MUM/2015	Published	Dr. J. I. Disouza	A novel herbal extract with anticancer activity	Dr. J. I. Disouza	28/04/2017
2021/MUM/2008A	Published	Dr. A. S. Sherikar	Synthesis of phenyl nitrate derivatives of free carboxylic acid group containing NSAIDS as cyclooxygenase inhibitor for anti-inflammatory, analgesic and smooth muscle relaxant activity	Dr. A. S. Sherikar	02/04/2010

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(71)Name of Applicant :

1)Mr.Rameshwar Madhukar Ardad
Address of Applicant :Dr. Shivajirao Kadam College of pharmacy Kasabe Digraj Sangli 416305 MS India. Email id-ramardad@rediffmail.com Mob no.9503756634. -----

2)Dr.Shashikant C. Dhawale
3)Dr. Arehalli Sidramappa Manjappa
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Mr.Rameshwar Madhukar Ardad
Address of Applicant :Dr. Shivajirao Kadam College of pharmacy Kasabe Digraj Sangli 416305 MS India. Email id-ramardad@rediffmail.com Mob no.9503756634. -----

2)Dr.Shashikant C. Dhawale
Address of Applicant :Dr Shashikant C. Dhawale ,58, Veer Sawarkar Nagar, Wadi Bk. Purna Road Nanded. 431605 MS India. Email id-shashiprathmesh@gmail.com Mob no 9970700030. -----

3)Dr. Arehalli Sidramappa Manjappa
Address of Applicant :Department of Pharmaceutics, Tatyasaheb Kore College of Pharmacy, Warananagar -416113 Tal: PangalaDistrict: Kolhapur Maharashtra Email Id: manju_as82@yahoo.co.in Mob No: 9552826871;8956647419 -----

(57) Abstract :

COMBINATION DRUG THERAPY FOR ANTICANCER. Abstract The present invention states that the combination therapy useful for treatment of oncological disorders. Further invention relates to Ketoconazole; Disulfiram; and Tadalafil having 1:1:1 molar ratio respectively. Further embodiment of present invention relates to Ketoconazole; Disulfiram; Tadalafil cocktail in combination with

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**Tatyasaheb Kore College of Pharmacy,
Warananagar**

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113



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APPLICANT NAME	1 . Ms. Hemalata Suhasrao Dol 2 . Dr. Ashok Ananda Hajare 3 . Dr. Trupti Ashok Powar 4 . Mr. Kiran Shivaji Patil
TITLE OF INVENTION	TRANSDERMAL ETHOSOME COMPOSITION OF RANOLAZINE
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	hemalatadol@gmail.com
ADDITIONAL-EMAIL (As Per Record)	hemalatadol@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	

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Tatyasaheb Kore College of Pharmacy,
Warananagar

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Department of Industrial Policy and Promotion
Ministry of Industries and Commerce

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APPLICANT NAME	1 . BHOJILING EKNATH KUMBHAR 2 . POPAT SONAPPA KUMBHAR 3 . SUHAS SANJAY KUMBHAR 4 . NILESH ARUN KUMBHAR 5 . RAVINDRA SOPAN KUMBHAR
TITLE OF INVENTION	A NOVEL BIKE-FRIENDLY BRIGHT HELMET WITH DIFFERENT SAFETY FEATURES.
FIELD OF INVENTION	TEXTILE
E-MAIL (As Per Record)	
ADDITIONAL EMAIL (As Per Record)	pskumbhar1.tkcp@gmail.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	07/09/2020
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(54) Title of the invention: MICROPARTICLES CONTAINING MONTELUKAST FOR INHALATION THERAPY.



(51) International Classification

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(71)Name of Applicant :

1)PANCHAL CHANDRAWADAN VISHWAMBHAR

Address of Applicant :MAHARASHTRA COLLEGE OF

PHARMACY, NILANGA, TALUKA-NILANGA, DIST.:

LATUR, MAHARASHTRA, INDIA, PIN CODE:413521.

Maharashtra India

2)BANSODE HEMANT BALU

3)DR. JOSHI SUMIT ASHOK

4)DR. DAMA GANESH YOGIRAJ

5)DR. AREHALLI S. MANJAPPA

6)GURAV Prashant B.

7)JADHAV Sachin Manik

(72)Name of Inventor :

1)PANCHAL CHANDRAWADAN VISHWAMBHAR

2)BANSODE HEMANT BALU

3)DR. JOSHI SUMIT ASHOK

4)DR. DAMA GANESH YOGIRAJ

5)DR. AREHALLI S. MANJAPPA

6)GURAV Prashant B

7)JADHAV Sachin Manik

(57) Abstract :

ABSTRACT The present invention relates to microparticles containing Montelukast for inhalation therapy, specifically microparticles containing Montelukast sodium loaded chitosan and sodium alginate and a process for preparation thereof.

No. of Pages : 17 No. of Claims : 10

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Application Details

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APPLICANT NAME	1 . DISOUZA; JOHN INTRU 2 . PATIL; GANPATRAO DNYANDEV 3 . PATIL; AJIT BABURAO 4 . PATIL; ABHINANDAN RAVSAHEB
TITLE OF INVENTION	A NOVEL HERBAL EXTRACT WITH ANTICANCER ACTIVITY
FIELD OF INVENTION	PHARMACEUTICALS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	poonamdhake@gmail.com
E-MAIL (UPDATED Online)	
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Ty Bhoirade

Created by

Bumbale

Checked by

Khatil

Approved by

PO

Authorized by



Shree Warana Vibhag Shikshan Mandal's
Tatyasaheb Kore College of Pharmacy,
Warananagar

Tal: - Panhala, Dist.: - Kolhapur, Maharashtra, India, Pin 416 113

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(64) Title of the invention: SYNTHESIS OF PHENYL NITRATE DERIVATIVES OF FREE CARBOXYLIC ACID GROUP CONTAINING NSAIDS AS CYCLOOXYGENASE INHIBITOR FOR ANTI-FLAMMATORY, ANALGESIC AND SMOOTH MUSCLE RELAXANT ACTIVITY		
(51) International classification	:C07C215/68; C07C223/06; C07C225/22	(71)Name of Applicant : 1)BHATIA MANISH SUDESH Address of Applicant :65, CHAVREKAR COLONY, RADHANAGRI ROAD KOLHAPUR-416012. Maharashtra India 2)SHREIKAR AMOL SHANTINATH 3)BHATIA NEELA MANISH 4)INGALE KUNDAN BHANUDAS 5)CHOUDAHRI PRAFULLA BALKRISHNA 6)SANGLE DEEPAK BHASKARRAO
(31) Priority Document No	:NA	(72)Name of Inventor : 1)BHATIA MANISH SUDESH 2)SHREIKAR AMOL SHANTINATH 3)BHATIA NEELA MANISH 4)INGALE KUNDAN BHANUDAS 5)CHOUDAHRI PRAFULLA BALKRISHNA 6)SANGLE DEEPAK BHASKARRAO
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(57) Abstract : The present invention describes the synthesis of phenyl nitrate derivatives of free carboxylic acid group containing NSAIDs as cyclooxygenase inhibitor and nitric oxide donors (CINOD) for anti-inflammatory, analgesic and smooth muscle relaxant activity, novel cyclooxygenase 2 (COX-2) selective inhibitors and novel compositions comprising at least one cyclooxygenase 2 (COX-2) inhibitor, and, at least one compound that donates, transfers, releases nitric oxide and/or stimulates endogenous synthesis of nitric oxide and/or elevates endogenous levels of endothelium-derived relaxing factor or is a substrate for nitric oxide synthase, and/or at least one therapeutic agent. The invention also provides methods for treating inflammation, pain and fever; for treating and/or improving the gastrointestinal properties of COX-2 selective inhibitors; for facilitating wound healing; for treating and/or preventing renal and/or respiratory toxicity; for treating and/or preventing other disorders resulting from elevated levels of cyclooxygenase-2; and for improving the cardiovascular profile of COX-2 selective inhibitors.		
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Ty Chokare

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K. J. J. J.

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P. P.

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