

# DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

**HEARTY WELCOME TO NAAC  
PEER TEAM MEMBERS**



# VISION AND MISSION



To inculcate quality education in coursework with critical and innovative thinking among faculties and students



We prepare students for current industry, academic research, and a coherent, clearly structured overview of chemistry



Effective communication and supporting personnel promote a friendly, collaborative, and transparent department culture

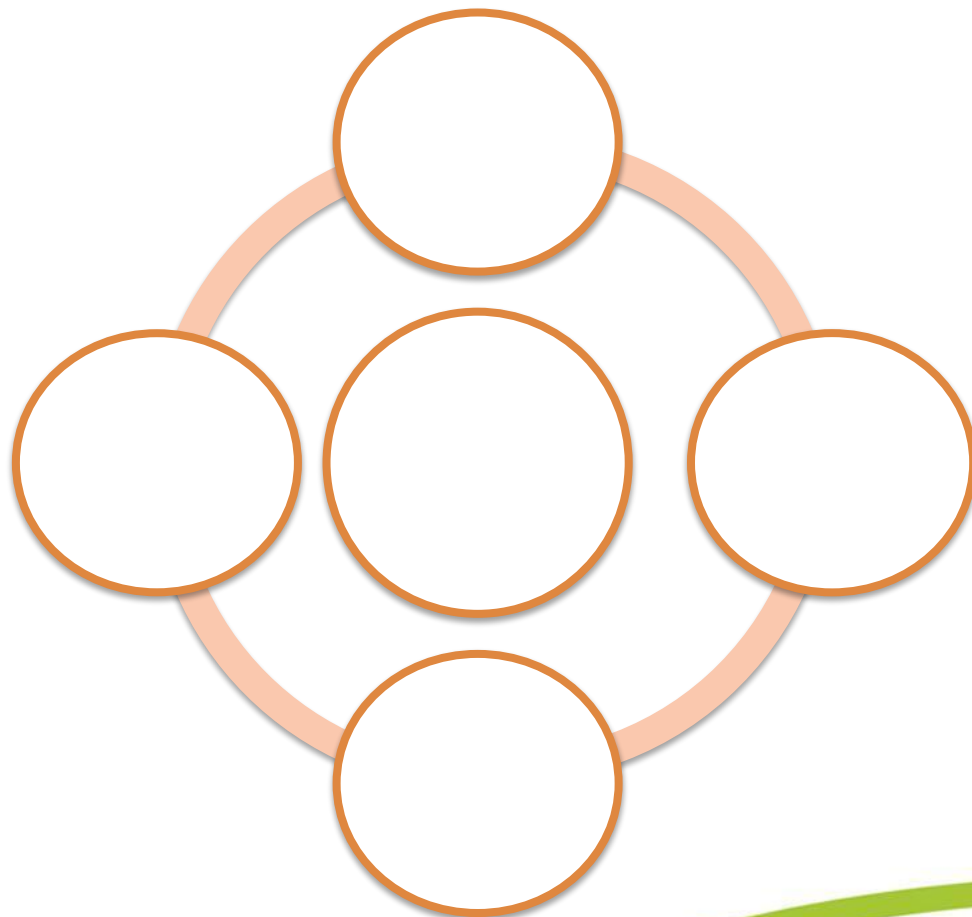


# DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Doctor of  
Pharmacy; 2004

Post Graduate; 1999

Under Graduate;  
1985



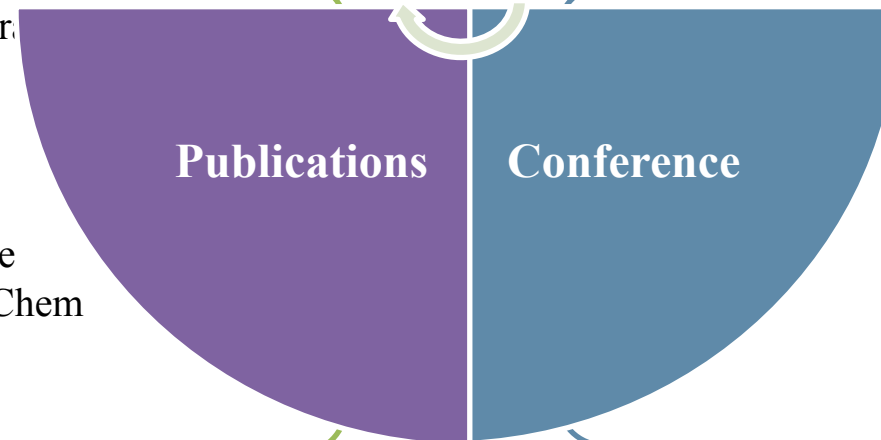
# STRENGTHS OF THE DEPARTMENT

- Drug Design
- Small molecules Chemistry
- Prodrug Design & Development
- Phytochemistry & Herbal Technology
- Bioanalytical Chemistry



- VGST
- RGUHS

- SCImago Journal r
- Q1: Aquaculture, Pharmaceutics,
- Journal of King Saud University-Science
- Q3: LDDD, Cur. Chem Bio, RJPT
- Q4: Indian drugs



- Webinar
- National Conference
- Workshop



# SALIENT FEATURES OF THE DEPARTMENT

Strong emphasis on  
research activities

Strict adherence to  
the academic calendar

Competent Faculties

Rigorous teaching  
–based on curriculum

Value added courses





# FACULTY PROFILE



**Dr. MD Karvekar**  
Academic Director



**Dr. Paramita Das**  
Cultural Secretary, Magazine Committee



**Dr. Sunil Menghani**  
Placement Committee



**Dr. Vastvikta Sahai**  
NSS Committee



**Mrs. Anjali Nayak**  
Cultural Committee  
PTM In charge



**Mr. Rajesh K Rawri**  
Administrative and Academic coordinator



**Mrs. Yogeshwari Bhaisare**  
NSS Committee



**Mrs. Usha Rani**  
Convenor Institution Innovation Cell



**Mrs. Raksha Kumta**  
NSS program Officer  
KCP Website In charge



# DEPARTMENTAL ACHIEVEMENTS



**Dr. Paramita Das**



**Ms Preethi K**



**Mrs. Anjali Nayak**







# RGUHS RANK HOLDERS



**Ms. Ramya A  
(20PC017)  
5<sup>th</sup> Rank  
M. Pharm**



**Ms. Rashu  
(20PC018)  
5<sup>th</sup> Rank  
M. Pharm**

RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA.

4th ' T ' Block, Jayanagar, Bangalore-560 041

Date: 31/01/2023

Page 4 of 9

PGPHA - Post Graduate in Pharmacy

PROVISIONAL LIST OF TOPPERS FOR PPCH5 - M.PHARM [PHARMACEUTICAL CHEMISTRY]-5  
EXAMINATION FOR NOVEMBER-2022

Rank	Reg No	Name	Max Marks	Tot Marks	%
1	20PC076	NAVINA G P021 T JOHN COLLEGE OF PHARMACY ,BANGALORE.	2325	2048	88.09 %
2	20PC061	CHAYA S R P376 S.J.H. COLLEGE OF PHARMACY ,CHITRADURGA.	2325	2042	87.83 %
3	20PC051	SHANKAR THAPA P015 NARGUND COLLEGE OF PHARMACY ,BANGALORE.	2325	2041	87.78 %
4	20PC021	PUJAN SASMAL P016 ACHARYA & B H REDDY COLLEGE OF PHARMACY ,BANGALORE.	2325	2026	87.14 %
5	20PC017	RAMYA A P006 KRUPANIDHI COLLEGE OF PHARMACY ,BANGALORE.	2325	2023	87.01 %
5	20PC018	RASHU RAJU P006 KRUPANIDHI COLLEGE OF PHARMACY ,BANGALORE.	2325	2023	87.01 %
6	20PC050	SABIN SHRESTHA P015 NARGUND COLLEGE OF PHARMACY ,BANGALORE.	2325	2021	86.92 %
7	20PC064	RASHMI R P376 S.J.H. COLLEGE OF PHARMACY ,CHITRADURGA.	2325	2016	86.71 %
8	20PC034	BHAVANA R P651 BHARATHI COLLEGE OF PHARMACY ,MANDYA.	2325	2010	86.45 %
9	20PC012	PREETHI R P001 GOVT. PHARMACY COLLEGE ,BANGALORE.	2325	2001	86.06 %
10	20PC013	PRUTHVISHREE V P001 GOVT. PHARMACY COLLEGE ,BANGALORE.	2325	1997	85.89 %



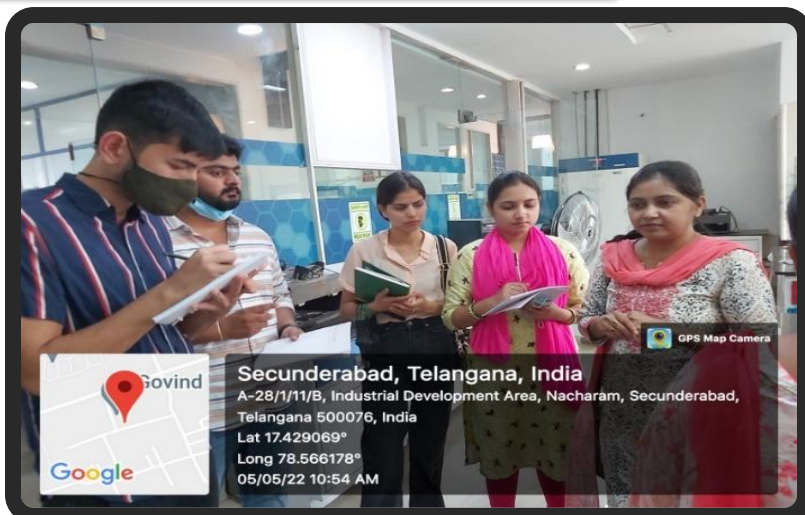


# STUDENT PARTICIPATION IN CONFERENCES

Name	Mode	Event Participated	Conference	Date
Ms Amrutha S (B Pharm)	<b>Offline</b>	Poster presentation	International Conference on Phytomedicine 2022	20 <sup>th</sup> and 21 <sup>st</sup> of May 2022
Mr Nikhil K (B Pharm)	<b>Offline</b>	Paper presentation	International Conference on Phytomedicine 2022	20 <sup>th</sup> and 21 <sup>st</sup> of May 2022
Ms Tejaswini, Ms Rashu Raju, Mr Anmol Gajmer, Ms Ramya (M Pharm)	<b>Online</b>	Poster presentation	International e-Conference on Frontline Areas in Chemical Science	3 <sup>rd</sup> and 4 <sup>th</sup> of October 2021
Ms Rashu Raju (M Pharm)	<b>Online</b>	Attended	9 <sup>th</sup> World Conference on Pharmaceutical Science and Drug Manufacturing	1 <sup>st</sup> and 2 <sup>nd</sup> December 2021 at Dubai, UAE



# INDUSTRIAL TRAINING



**Location:**  
**CLEARSYNTH LABS**  
**PVT.LTD.**  
**177, Industrial Development**  
**Area, Mallapur,**  
**Secunderabad,**  
**Telangana-500076**



# NATIONAL-CONFERENCES/WORKSHOP ORGANIZED

**KRUPANIDHI COLLEGE OF PHARMACY**  
NAAC 'A' Accredited

ORGANIZED BY  
Department of Pharmaceutical Chemistry & Analysis  
Krupanidhi College of Pharmacy, Bengaluru

NATIONAL WEBINAR ON  
**BIODIVERSITY & DRUG DISCOVERY**  
A Synergistic Correlation

04th June 2022  
04.00PM - 05.00PM

RESOURCE PERSON

**Dr. BISWA RANJAN MEHER**  
Computational Biology and Bioinformatics Laboratory (CBBL)  
PG Department of Botany, Berhampur

REGISTER AT  
<https://forms.gle/P4B1nBwXagufCF19>

Platform: Microsoft Teams

Webinar on Biodiversity and Drug Discovery

**KRUPANIDHI COLLEGE OF PHARMACY**  
(NAAC 'A' Accredited)

September 16th & 17th 2022

JOIN FOR THE CONFERENCE ON  
"INSIGHT ON TOOLS FOR DESIGN AND CHARACTERIZATION OF NOVEL ANALOGUES"

Submit your abstract on or before 12th Sep 2022

For any queries contact:  
REGISTRATION COMMITTEE  
Ms. Raksha Kumta - 7406984246  
Mrs. Sushma M - 7975926638  
Mrs. Yogeshwari Jambhulkar - 8530270377

Registration link  
<https://forms.gle/2T8kaaH4utKX9N19>

Conference on Insights on tools for design and characterization of novel analogues

**KRUPANIDHI COLLEGE OF PHARMACY**

WORKSHOP ON  
CONCEPT OF SPECTRAL ANALYSIS BY  
IR, NMR & MASS SPECTROSCOPY

FRIDAY 24/02/2023 | TIME 9:00AM ONWARDS

**Dr. Vijay Bhaskar K**  
Professor  
Manipal College of Pharmaceutical Sciences

Registration Fees: ₹100/- Only  
Registration Link: <https://forms.gle/zFKAUv5GFpuSDUSv6>

Organized By:  
Department of Pharmaceutical Chemistry  
Department of Pharmaceutical Analysis

Workshop on concept of spectral analysis by IR, NMR and Mass Spectroscopy







# PUBLICATIONS



IF-  
1.09

## Letters In Drug Design & Discovery

VOLUME 19, , NUMBER , 2022  
Impact Factor: Current: 1.099  
5 - Year: 1.030  
ISSN: 1875-628X (Online) - ISSN: 1570-1808 (Print)



In-silico Studies, Synthesis, And Evaluation Of Anti-inflammatory Activity Of Novel Pyrimidine Scaffold.

**Authors:**

Ganesh Munde, Sunil S. Menghani, Nilesh Rarokar, Deweshri Kerzare, Md. Asif Iqbal Chittur and Pramod Khedekar



IF-  
6.525



pharmaceutics



Article

### Preparation of Terbinafin-Encapsulated Solid Lipid Nanoparticles Containing Antifungal Carbopol® Hydrogel with Improved Efficacy: In Vitro, Ex Vivo and In Vivo Study

Nilesh R. Rarokar <sup>1</sup>, Sunil S. Menghani <sup>2,\*</sup>, Deweshri R. Kerzare <sup>3</sup>, Pramod B. Khedekar <sup>1</sup>, Ashish P. Bharme <sup>1</sup>, Abdulhakeem S. Alamri <sup>4,5</sup>, Walaa F. Alsanie <sup>4,5</sup>, Majid Alhomrani <sup>4,5</sup>, Nagaraja Sreeharsha <sup>6,7</sup> and Syed Mohammed Basheeruddin Asdaq <sup>8,\*</sup>





PUBLICATIONS

IF-  
3.8

Journal of King Saud University - Science 35 (2023) 102534

HOSTED BY Contents lists available at ScienceDirect

**Journal of King Saud University – Science**

journal homepage: [www.sciencedirect.com](http://www.sciencedirect.com)

Original article

**Inhibition of SARS-CoV2 viral infection with natural antiviral plants constituents: An in-silico approach**

Kuntal Das<sup>a</sup>, Paramita Das<sup>b,\*</sup>, Mansour Almuqbil<sup>c</sup>, Syed Mohammed Basheeruddin Asdaq<sup>d,\*</sup>, K. Nikhil<sup>b</sup>, K. Preethi<sup>b</sup>, A. Angelinkiruba<sup>b</sup>, Nasser Fawzan Alomar<sup>e</sup>, Rawabi M. Al harbi<sup>f</sup>, Walaa A. Al Abdullah<sup>f</sup>, Sami M. Alshehri<sup>f</sup>, Yahya A. Laghabi<sup>f</sup>, Ahmed R. Alsaegh<sup>g</sup>, Yahya Mohzari<sup>g</sup>, Sultan Alshehri<sup>h</sup>, Basheerahmed Abdulaziz Mannasaheb<sup>d</sup>, Syed Imam Rabbani<sup>i</sup>

IF-  
5.1

**Aquaculture**

Volume 573, 30 August 2023, 739574

**Effective bioactive compounds and their antiviral properties from some selected aquatic plants through *in silico* and *in vitro* approaches**

Kuntal Das<sup>a</sup> , Paramita Das<sup>a,b</sup>, Supriya Mana<sup>a</sup>



## RESEARCH GRANTS

RGUHS

AMOUNT - 2.5 LAKHS

The antitubercular activity of novel silymarin metal complex through computational and *in vitro* approaches



VGST

AMOUNT- 5 LAKHS

Phytochemical based nanomedicine for the treatment of breast cancer





## Title: Chromatographic analysis of underutilized oil seeds for future commercial development

 Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India		 INTELLECTUAL PROPERTY INDIA PATENTS   DESIGNS   TRADE MARKS GEOGRAPHICAL INDICATIONS	
Application Details			
APPLICATION NUMBER	202241050376		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	03/09/2022		
APPLICANT NAME	1 . Mr. Kyatham Hemanth 2 . Mrs. Anjali Nayak 3 . Dr. Anupama Singh 4 . Dr.E.Hari Krishna 5 . Dr. Syeda Kulsum 6 . Mrs. S.Jyothi 7 . Dr. Nilesh Kumar 8 . Ms. Shailee Dewan 9 . Mr. Pandya Yogi Umeshbhai 10 . Ms. Bandana Sharma 11 . Ms. Pem Lhamu Bhutia 12 . Mr. Arup Das		
TITLE OF INVENTION	CHROMATOGRAPHIC ANALYSIS OF UNDERUTILIZED OIL SEEDS FOR FUTURE COMMERCIAL DEVELOPMENT		
FIELD OF INVENTION	CHEMICAL		
E-MAIL (As Per Record)	vaagaip@gmail.com		

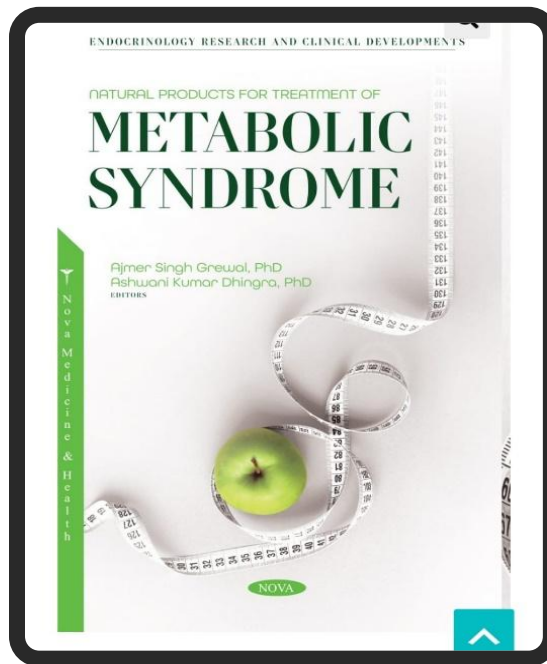


## Title: Dissolution Improvement of Glimepiride and Olanzapine using Ketorolac Tromethamine

 Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India		 INTELLECTUAL PROPERTY INDIA PATENTS   DESIGNS   TRADE MARKS GEOGRAPHICAL INDICATIONS	
Application Details			
APPLICATION NUMBER	202221067464		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	23/11/2022		
APPLICANT NAME	1 . Dr. Sabahuddin Siddique 2 . Dr. Paramita Das 3 . Dr. A. Muthukumar 4 . Dr. Mohd. Washid Khan 5 . Mrs. Anjali Nayak 6 . Dr. Jyoti Choubey 7 . Dr. Santosh Kumar Verma 8 . Dr. Arun Kumar Kashyap 9 . Ms. Makwana Rajeshreebaben Pravinkumar 10 . Dr. S.K. Lanjhiyana 11 . Dr. Sweety Lanjhiyana 12 . Dr. Rameshwari Verma		
TITLE OF INVENTION	DISSOLUTION IMPROVEMENT OF GLIMEPIRIDE AND OLANZAPINE USING KETOROLAC TROMETHAMINE		
FIELD OF INVENTION	CHEMICAL		
E-MAIL (As Per Record)	vaagaip@gmail.com		



# BOOK CHAPTER



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Table of Contents

**Preface**

**Chapter 1. Human Metabolite Dysfunction**  
Sakshi Bhardwaj<sup>1</sup>, Paramita Das<sup>1</sup>, Anjali Nayak<sup>1</sup> and Ashwani K. Dhingra<sup>2</sup>  
<sup>1</sup>Department of Pharmaceutical Chemistry, Krupanidhi College of Pharmacy, Chikkabellandur, Bangalore, India  
<sup>2</sup>Guru Gobind Singh College of Pharmacy, Yamuna Nagar, Haryana, India

**Chapter 2. Epidemiology and Etiology of Metabolic Syndrome**  
Kajal Nagpal and Deepshi Arora  
Guru Gobind Singh College of Pharmacy, Yamunanagar, Haryana, India

**Chapter 3. Metabolic Syndrome and**

## Chapter1: “Human Metabolite Dysfunction” Metabolic syndrome

DOI: <https://doi.org/10.52305/FODR8697>





# LIST OF SOFTWARES

S.No.	Software	Version	Aim
1	Autodock	4.2	Perform molecular docking experimentation and determine protein-ligand interactions in-silico
2	Autodock Vina	1.1.2	Virtual screening of small molecules against putative drug target
3	Pymol-Schrodinger LLC	2.5.3	Visualization of 3D target and complex structures
4	Toxtree	3.1.0	Toxic hazard estimation of small molecules through Cramer's rule and decision tree
5	PaDEL-Descriptor	2.21	Descriptor computation for small molecules for 2D, 3D-QSAR experimentation
6	Python – Spyder IDE		Principal component analysis, outlier determination, MLR and PLS model building



# INSTRUMENTS



Microwave  
Synthesizer



Conventional  
Microwave



TLC Chamber



pH meter



Vacuum oven



# ON THE CARDS

