

Department of Pharmaceutical analysis



**Krupanidhi
College of
Pharmacy**

Bengaluru- 35

**Hearty welcome to the respected
NAAC Peer Team members**



Pharmaceutical Analysis department of KCP aims to develop highly competent, professional, expert pharmacist with ample knowledge that contributes to the new method developments in the area of analytical techniques

Pharmaceutical Analysis department is to give the **students extensive and varied scientific background**, and a rewarding program of study.

In this course, critical GMPs regulations, FDA guidance and ICH guidance and ICH quality guidelines will be discussed specifically to help individuals to **maintain a high level of compliance**.



Faculty Profile

KRUPANIDHI COLLEGE OF PHARMACY



- Prof. M K Ranganath, HoD
- Dr. P D Sudha Chaithanya.
- Mrs. Ann Raichel
- Mrs. Usha rani



Dept of PA - profile



Founded in PA-
2009

Consistent top
academic accolades
with top university
ranks since
inception

Areas of expertise: Process
Validation, Qualification,
Analytical method
Development & validation
of API, stability indicating
method validation,
formulation and plant
products.

Over 26 industry
projects
completed with
leading pharma
industries



Strengths of the Department

- Research and best teaching practices
-
- Industry and Experienced Faculty
- Publications in good impact factor
- Workshops and hand on experience of HPLC, FTIR/ATR



2/25/23, 11:48 AM Intellectual Property India


 Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India
 (<http://ipindia.nic.in/index.htm>)


 INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS
 (<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202341006623
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2023
APPLICANT NAME	1 . Prof. Ranganath M K 2 . Dr. Kuntal Das 3 . Pratik Biswas 4 . Varun H B 5 . Eresh Kumar P R
TITLE OF INVENTION	IN SILICO AND IN VITRO ANTHELMINTIC ACTIVITY OF LEAVES ETHANOL EXTRACT OF MACARANGA INDICA WIGHT
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/02/2023

Application Status

PATENT published:
Prof. M K RANGANATH
 Dr. Kuntal Das
 Pratik Biswas
 Varun H B
 Eresh Kumar P R

TITLE:
 IN SILICO AND IN VITRO
 ANTHELMINTIC ACTIVITY OF
 LEAVES ETHANOL EXTRACT
 OF MACARANGA INDICA
 WIGHT



Departmental Achievements

Conferences/Workshop organized



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/t9T8kae3JvTKX9ND2>

Conference on Insight on tools for design and charecterization of navel 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/zFKAUv5GFpu5DUSv6>

Organized By:
Department of Pharmaceutical Chemistry
Department of Pharmaceutical Analysis

Workshop on concept of Spectral analysis by IR, NMR and Mass Specroscopy





KALYANI ARIKATLA
1st RANK in M.Pharm RGUHS
Special Gold Medalist – 2019
2017-2019



SHAIK SADHIYA TABASUM
1st RANK & M.Pharm RGUHS
Special Gold Medalist – 2022
2021-2022



V NAVYA
5th RANK
2021-2022





PAWAN KUMAR
5th RANK in M.Pharm
2020 – 2021




SOHIL PATTAN
7th RANK in M.Pharm
2020 – 2021



AVOLUP ATI USHASHREE
8th RANK in M.Pharm
2020 – 2021



Mr. Pratik Biswas: Best Poster presentation at Krupacon2022



A Novel Reversed Phase – High Performance Liquid Chromatography method for the determination of Triterpenes in *Coccinia indica*

Poster no – T407



Introduction

Abstract: *Coccinia indica* is a member of the family of Cucurbitaceae. It is a medicinal plant. The fruit is used in the treatment of various ailments. The fruit is rich in triterpenes. The present study is aimed at the development of a novel reversed phase HPLC method for the determination of triterpenes in *Coccinia indica*. The method is simple, sensitive, and specific. The method is validated for linearity, accuracy, and precision. The method is used for the determination of triterpenes in *Coccinia indica*.

Materials and Methods

Method Development: The method was developed using a reversed phase HPLC system. The mobile phase was composed of acetonitrile and water. The column was a C18 column. The detection was at 210 nm. The method was validated for linearity, accuracy, and precision.

Concentration (µg/ml)	Peak Area
10	12345
20	24690
30	36945
40	49290
50	61635
60	73980
70	86325
80	98670
90	111015
100	123360

Summary & Conclusion

The method was developed and validated for the determination of triterpenes in *Coccinia indica*. The method is simple, sensitive, and specific. The method is used for the determination of triterpenes in *Coccinia indica*.

Need for the study

The study is needed for the determination of triterpenes in *Coccinia indica*. The method is simple, sensitive, and specific. The method is used for the determination of triterpenes in *Coccinia indica*.

Results and Discussion



Acknowledgments & References

1. Pratik Biswas, M.K. Ranganath, Suresh Nagpal. A Novel Reversed Phase – High Performance Liquid Chromatography Method for the Determination of Triterpenes in *Coccinia indica*. *KrupaPharmaCon 2022*, International Conference on Pharmaceutical Causes & Its Global Challenges, 16-17 December 2022, Bengaluru.



**International Conference on
TO FOSTER THE DRUG DEVELOPMENT STRATEGIES IN NOVEL
PHARMACEUTICAL CAUSES & ITS GLOBAL CHALLENGES**

CERTIFICATE OF EXCELLENCE

This certificate of Excellence is presented to

Pratik Biswas

for being adjudged as winner for the best E- poster titled: *A Novel Reversed Phase – High Performance Liquid Chromatography Method for the Determination of Triterpenes in Coccinia indica*

co-authored with: *M.K. Ranganath, Pratik Biswas*

at *KrupaPharmaCon 2022* | International Conference on
organized by *Krupanidhi College of Pharmacy, Bengaluru, on 16-17 December 2022.*

DR. RAMAN DANG

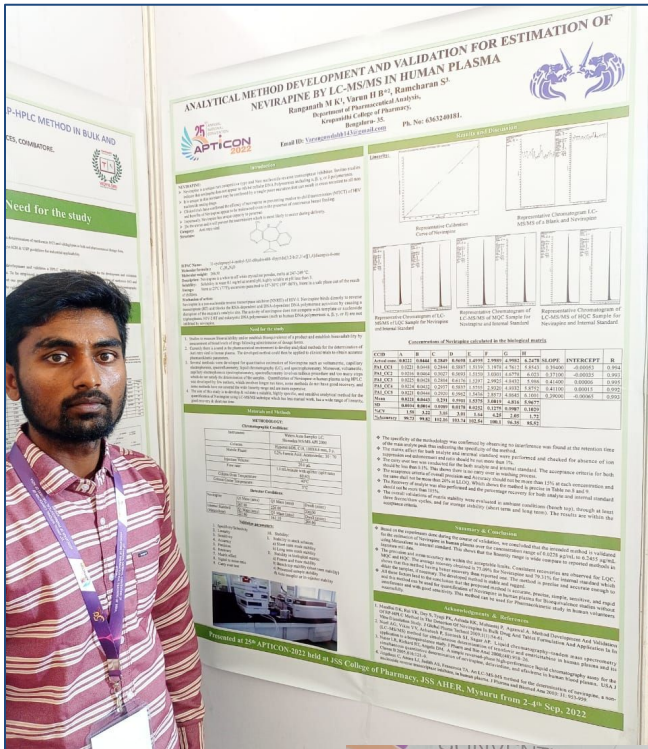
Organizing Secretary - KrupaPharmaCon
Principal - kcp

Prof. Dr. SURESH NAGPAL

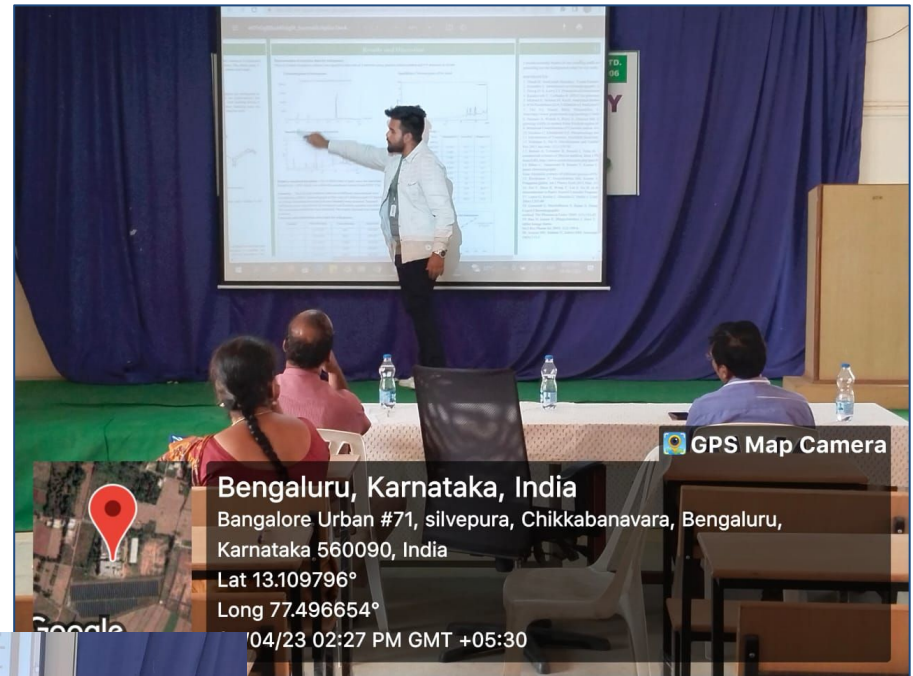
Chief Patron - KrupaPharmaCon
Chairman - KGI



Mr. Varun.H.B: Best Poster presentation and Overall best poster Award at APTICON JSS COP MYSURU

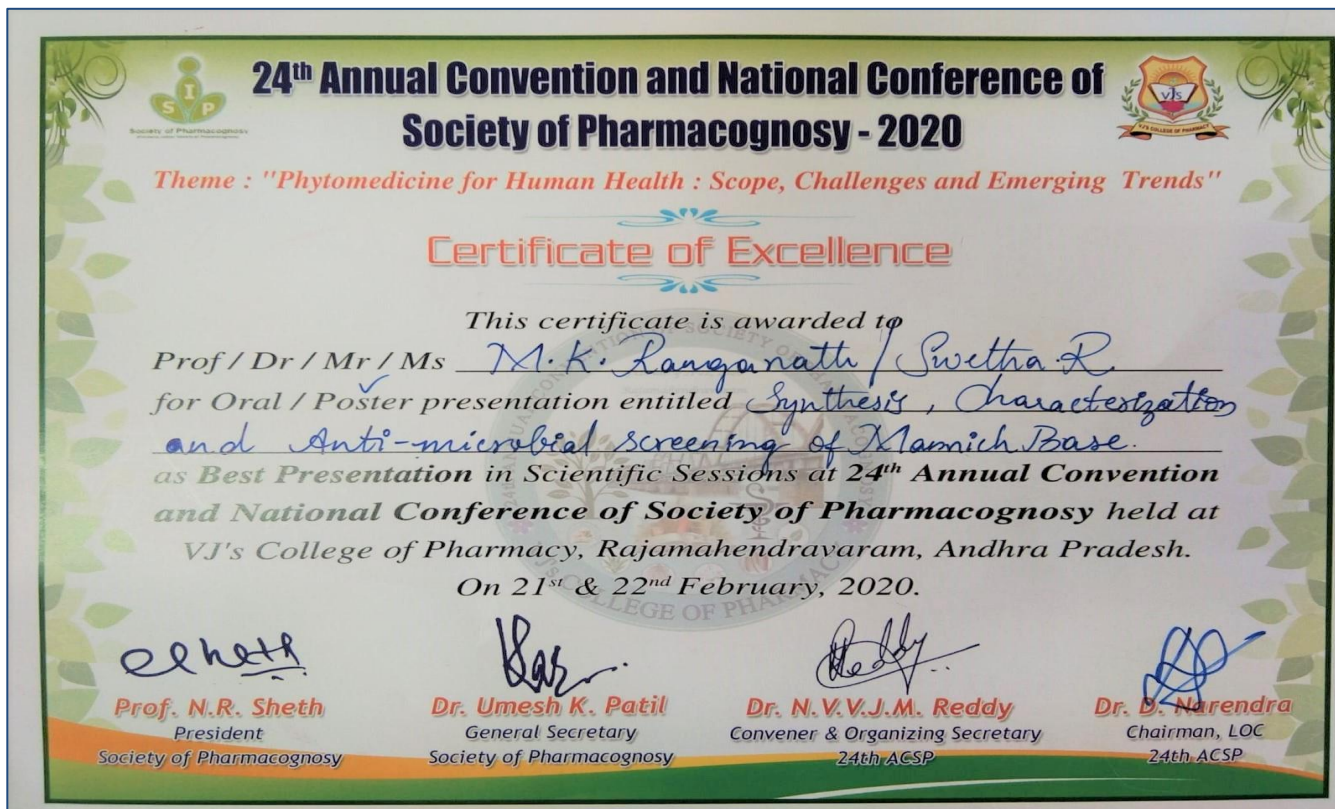


Mr. Pratik Biswas: 3rd Best Poster presentation at APP 24th INDO-US International Conference



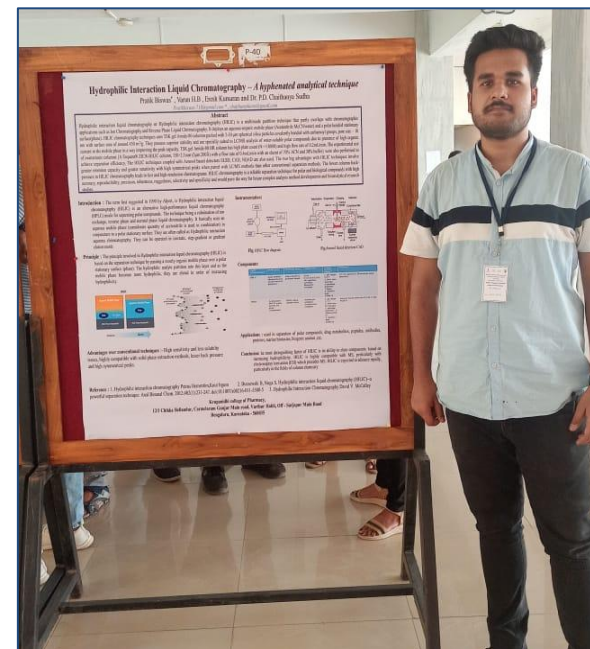
Dept of PA: accolades

Ms. Swetha R: Synthesis, characterization and antimicrobial screening of Mannich bases. 3rd prize



Dept of PA: accolades

Mr Prathik Biswas: Poster presentation at NIPER Hyderabad



Instrumentation

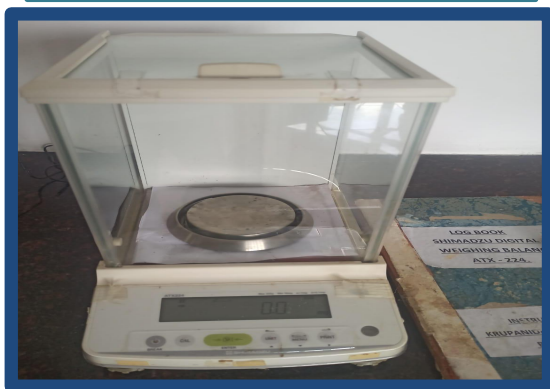
KRUPANIDHI COLLEGE OF PHARMACY



Bruker FTIR/ATR
ALPHA-2



WATERS® HPLC binary system with
EMPOWER™ 3 data acquisition software



Shimadzu: Digital weighing
balance



B R Biochem Life Sciences Pvt Ltd:
Digital weighing balance





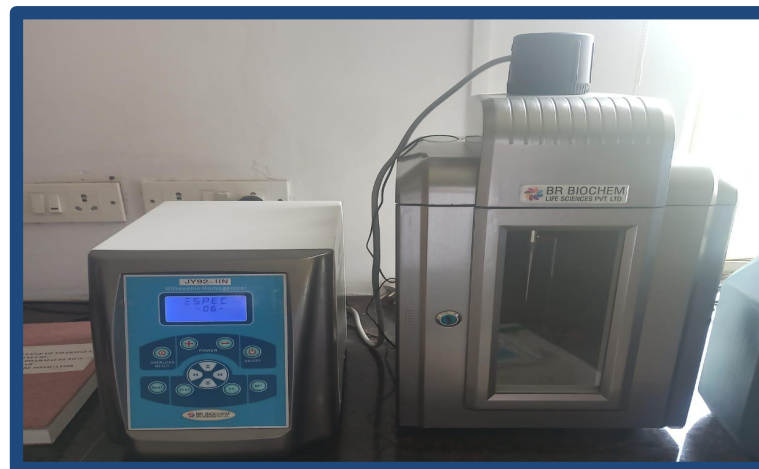
Double Beam UV Vis Shimadzu u 1800



Double Beam UV Vis Shimadzu 1700



Double Beam UV Vis Techcomp 2301



B R Biochem Life Sciences Pvt Ltd: Ultrasonic Homogenizer



- FUTURE FOCUS
 - RESEARCH FUNDS & Spectral interpretation
 - RESEARCH PAPERS IN HIGH IMPACT FACTOR JOURNALS
 - SPONSORED WORKSHOPS AND SEMINARS
 - IPR PROCESS



THANK
YOU

