



DKS Charitable Institute®
IKON PHARMACY COLLEGE

SPECTRUM

E NEWSLETTER *the path to pharma life*

**Issue 2
July - December 2023**

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 <https://www.ikonpharmacycollege.org/>

 Ikon Pharmacy College

 ikonpharm

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Editorial Insight

Message From Chief Editor



Dr. S Rajasekaran
Principal

Ikon Pharmacy College is well known for its academic excellence and dedicated approach towards dissemination of knowledge in the academic world. The college appreciates all the staff and student community for their extra ordinary talents in academic, sports and extra curricular activities along with research in the field of Pharmaceutical Sciences. In this pursuit, the college is happy to release a bi-monthly e-News Letter named 'Spectrum' - A magazine to encourage and motivate all staff and students to explore their hidden talents and publish in the college magazine. My best wishes for the magazine team for bringing out this Spectrum E-News letter

The Editorial Board

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I Sem B Pharm



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I Year D Pharm

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VII Sem B Pharm



Mr. Ron Benny
V Sem B Pharm



Mr. Samad M
III Sem B Pharm



Mr. Tharun Gowda C
III Sem B Pharm



Mr. N. Kamalesh
I Sem B Pharm




Achievements

Distinction holders of RGUHS examinations Nov 2023

Second Semester B Pharm

 Mehana AU 90.07%	 Kavana K 86.76%	 Saraj Tushar V 81.52%	 Ramya C M 81.52%	 Sure Padmapriya 81.24%
 Harshitha RS 81.24%	 Vineet Kumar Mishra 81.10%	 Hamsashree R 80.97%	 Spoorthi R 80.14%	 Harshitha H P 77.45%
 Tharun Gowda C 79.03%	 Damini H N 79.03%	 Kiran Kumar D C 76.83%	 Harshith M P 76.28%	 Divya H C 75.03%

Fourth Semester B Pharm

 Punyshree T R 83.29%	 Darshini S 79.43%	 Fathima Jamsheena 78.43%	 Jeevitha S 77.71%	 Ranjitha N 77.43%
 Kalpitha Kumar K 77.14%	 Ramya D 77.00%	 Anusha C S 75.43%		



 Tabasum 89.07%	 Kavana MS 87.33%	 Deepthi S 86.67%	 Anusha RG 83.33%	 Preethu 82.27%	 Sachin A 82.0%	 Jayashree S 81.73%	 Kehkashan Muskan 81.6%	 Divyashree TV 81.33%	
 Sanjumol 81.20%	 Tausin 80.93%	 Sneha HC 80.53%	 Syeda Siddiqha 80.27%	 Meenashi 80.0%	 Suvarata Chanda 79.87%	 Bhoomika DR 79.80%	 Jeevitha M 79.07%	 Revathi BM Gowda 79.07%	 Supriya C 78.80%
 Sudeep MS 78.15%	 Sneha S 78.0%	 Sarabhi N 78.0%	 Priya N 77.07%	 Harshitha S 76.67%	 KD Mahalashmi 76.53%	 Dini C John 76.40%	 Preethi N 76.27%	 Deepika S 76.13%	 S L Meenabhi 75.73%

Sixth Semester B Pharm

Eighth Semester B Pharm

 Sneha BR 85.6%	 Amitha Lakshman 84.7%	 Roopashree 84.5%	 Bhoomika HR 84.1%	 Abhirami AJ 84.0%	 Harshitha M 84.0%	 Nitish Kumar 83.8%	 Baresh 83.6%	 Jana Pooja 82.9%	 Sampath Kumar 82.9%
 Abhin Aswath 82.9%	 Seema 82.5%	 Monika BS 82.5%	 Nisha Sonar 82.0%	 Deekshitha 82.0%	 Bindusri G 81.6%	 81.4%	 Sinchana DS 81.2%	 Nihad Sheila 81.2%	 Deepa 81.0%
 Jibith V 81.0%	 Abhishek 80.5%	 Amal Tom 80.5%	 Pruthvishree 80.3%	 Vignesh R 80.1%	 Harshitha KR 80.1%	 Niveditha 80.0%	 Rinshid 79.8%	 Dhanyatha 79.6%	 Sai Charan 79.0%
 Dayanandhan 79.0%	 Harshith PD 79.0%	 Surya Jayan 78.9%	 Keeratha K 78.3%	 Sinchana PI 78.1%	 Lishmitha 78.0%	 Syed Farhat 77.8%	 Shubhakar M S 77.8%	 Nikhil Gowda 77.4%	 Bheemashankar 77.0%
 Sinchana DS 77.0%	 Vidyashree 75.8%	 Kiran KS 75.8%	 Sreejith TS 75.8%						

100% RESULT
2019-23 BATCH B PHARM



INSTITUTIONAL NEWS

JULY to DECEMBER 2023

RGUHS SPORTS

Ikon Pharmacy college students actively participated in RGUHS intercollege sports competition in Volley ball, Badminton, Throwball, Kabbadi, Basket ball



GUEST LECTURE

Dr. T. Thanga Mariyappan, M.S (Pharm), Ph.D., the Scientific Director at Bristol-Myers Squibb R&D Centre (BMS) in Bangalore, delivered a guest lecture at Ikon Pharmacy College on the topic "Prediction of Human Pharmacokinetics and Efficacious Dose in Drug Discovery" on July 29th, 2023.



FRIENDSHIP DAY

"A good friendship refreshes the soul" by quoting this IKON PHARMACY COLLEGE celebrated friendship day on August 8th 2023. Joy was overflown by the cultural programs performed by students.



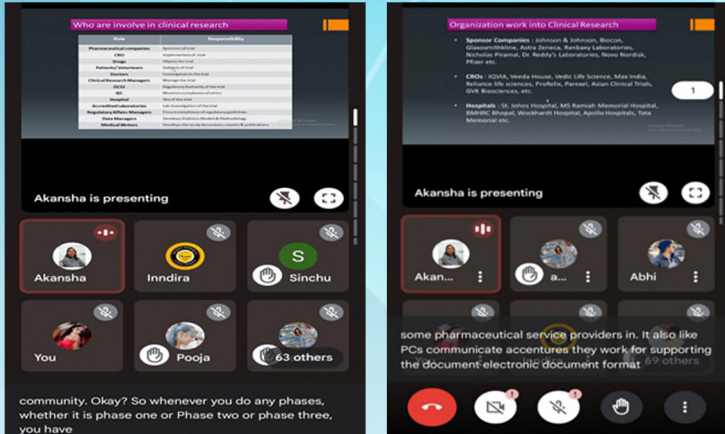
INDEPENDENCE DAY

On 15th August 2023, Independence day was celebrated at IKON GALAXY with parade, flag hoisting and various cultural events.



WEBINAR

IKON PHARMACY COLLEGE organised a webinar on 26th Aug, 2023 by virtual mode. Ms. Akansha Singh delivered webinar on topic "Importance of profession ready training & placement on the most booming industry, Clinical Research, Pharmacovigilance & associated domains"



HEALTH CAMP

A health camp was organised on August 18th 2023 at IKON PHARMACY COLLEGE in association with P M SANTHOSHA HOSPITAL, Bangalore. By quoting "The greatest wealth is health" students were screened for BP, blood sugar level, Hb, oxygen level & pulse rate.



ONAM

On 29th Aug, 2023, IKON PHARMACY COLLEGE organised ONAM celebration "VARAVELPU 2K23" Onam was organised with delicious food, mega pookalam, games, cultural and chendamelam.



TEACHER'S DAY

Teacher's day was celebrated on 5th Sep, 2023 @ Ikon Pharmacy College. Students expressed their love & affection by arranging games and presenting gifts to lectures. Principal of IKON PHARMACY COLLEGE awarded Ms. POOJA.M "The Best Teacher Award" for 2023.



GANESHA CHATURTHI

On 23rd Sep, 2023 The Ganesha Chaturthi was divinely celebrated at IKON GALAXY. Students were attired in colour traditional dress.



WORLD PHARMACIST DAY

“Pharmacist Strengthening Health System” was the theme for WORLD PHARMACIST DAY, Sep 25th, 2023. Dr. Sangamesh Puranik delivered a speech on “National Education Policy : Innovation Ep Entrepreneurship”



FAREWELL

Farewell & Freshers day celebration ‘SVASTHI’ was held on 20th Oct, 2023 at Ikon Pharmacy College. By saying goodbye to the graduated students by over helped heart we laid the red carpet for the blooming buds.



AYUDHA POOJA

On the 24th Oct, 2023 a traditional South Indian festival, AYUDHA POOJA was celebrated. Campus was cleaned and decorated with flowers to worship tools, instrument, machineries as sign of respect and gratitude.



PLACEMENT DRIVE

In collaboration with Medplus Pharma, Apollo Pharmacy group, Test Pharmacy, Rajarajeshwari hospital, PM Santosha Hospital, IKON PHARMACY COLLEGE organised the campus interview on 21st oct 2023 and 20th Nov, 2023 @ Ikon campus.



S P A ELECTION

S P A election was conducted on 23rd Dec, 2023 ,Students actively elected the S P A members for 2024.

Current S P A members took responsibilities with enthusiasm.



Pharmacovigilance in health system

MS. USHASHREE
Assistant Professor

Pharmacovigilance (PV) plays an important role in health systems by analyzing, monitoring, and detecting drug interactions and effects on humans. Pharmaceuticals and biotechnological drugs are designed to treat, prevent or cure diseases. However, there are also risks, especially adverse drug reactions (ADRs), that can seriously harm patients. Thus, for any safe compound, its entire life cycle, including during drug development such as early-stage drug development, clinical trials, and post-marketing research. PV is concerned with the detection, investigation, understanding and prevention of ADRs.

Chemical genetics and chemical genetics are central to medical research. Genetic variation in humans leads to variable drug responses and determines disease susceptibility, which is crucial for early drug discovery of PV, and moreover, PV is traditionally independent incorporate automatic reports for national monitoring systems.

The research area is increasingly using data sources from non-traditional platforms such as electronic medical records, medical literature, and patient-reported data on health information. An emerging trend in PV is to link pre-sales information to post-marketing phase monitoring and human safety issues. The PV systems team receives valuable additional information, which is made more informative by the scientific data contained in the original report. This urgently requires effective regulation of drug approval processes and pre- and post-approval vigilance and detection of undesirable substances, especially in India.

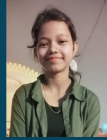
The PV program can help communities by bringing demographics and public health professionals closer to crime, both linguistically and professionally, electronically facilitating communication with informants so PV helps patients recover them and as much or as much as possible manage, avoid disease and maximize their contribution to public health industry , is the collective responsibility of drug regulators, physicians and other health professionals.



Sure Padmapriya
II Year B Pharm



Pushpita
I Year B Pharm



comic strip



Fathima Jamsheena
III Year B Pharm



Fahisa Hiba
III Year B Pharm

Brad and Hazel



HAPPY DAY OF MY LIFE !!

Finally an announcement came
For which we were waiting from the day 1
In a white sheet of paper, printed darkly in a black
"tomorrow will be the last working day"
There was a huge silence for a while,

Some were looking their loved ones, crush expressing
smtg with their eyes
Soon after the discussion was abt dress, matching
earrings, shoes, hairstyle and more
Everyone started to write something on each others
shirt

The smiley emoji on shirt gave a quite different smile
this time

The shirt was full of unsaid words, this words were
not this much emotional before You are my best
friend sayed before, now it was you will be my best
friend

The difference of words { are } and { will } was un-
derstood better now

Do u remember we all promised for for last time
This is only the end of our days here, not our
friendship

Our bond will remain the same, we will meet atleast
monthly once, we all planned for 2 days trip

All these were words of hope and stil they are incom-
plete promises saved in our hearts

I dont want to end this lines, happy days of my life
with a full stop so i will leave a small heart to end
this

Irfan pasha
4th year b.pharm



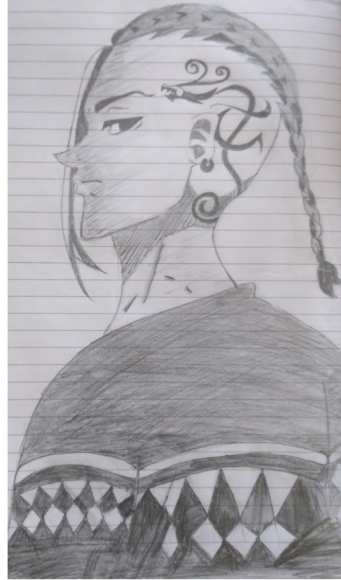
To
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E..



Priyanka
I Year B Pharm



Jetty
I Year B Pharm



Akash R S
II Year B Pharm

ಹುಸಿಕೋವದ ಒಡತಿ ನಾನು ,
ತುಸುನಗಲು ನೆನದ ಹಸಕೆ ನಾನು ,
ಉಸಿರಲ್ಲ ಉಸಿರಾಗಿ ಸ್ನೇಹದ ಹಸರಾಗಿ ,
ಕನನಿನಲ್ಲ ಶುಭವ ಧೈಯ ನಾನು ,
ನನ್ನ ಬ್ರಾಳಿನ ಬೆಳವಾಂಗಳೆ ನಾನು !!

SPA 2023-24



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Vice President



Mr. Suhas R
Secretary



Ms. Tabasum
Joint Secretary



Mr. Gurukiran
Treasurer



Ms. Dini C John
Joint Treasurer



Ms. Harshitha D
Coordinator



Mr. Tharun Gowda
Coordinator



COLLEGE CARING: HAPPY STUDENTS, SUCCESSFUL JOURNEYS

SAMAD M
3rd SEM B PHARM

Going to college is a big part of growing up. It's a period to study, make friends and discover who you are. But we also need to think about how college students feel inside themselves. Caring for their outlook is very important so they can do well in college and feel enthusiastic about life.

COLLEGE STRESS REDUCTION

Talking about problems, going to college can be very hard with lots of assignments and tests. This makes students upset or stressed out. Colleges must make sure that trying hard is more important than just getting the best score.

FITTING IN

In college, it can be hard to make friends and feel like you fit in. Making areas where students can talk to each other helps them feel like they're part of a group. This makes going to college more fun.

COLLEGE LIFE \propto PERSONAL LIFE

A student's inner feelings affect how they talk and spend time with family and friends. It's crucial for colleges to support students if they are struggling. Talking well and making sure students have someone to talk with really helps. College should show students how to handle hard times. Colleges have to learn good ways of dealing with stress so students can stay strong when life is hard.

In the end, colleges should tell students that your best efforts are good enough. They should help in tough times. When colleges pay attention to a student's emotions, it helps them succeed in college and have happier lives.

Purity And Impurity of mind

SYEDA SABA
1st SEM B PHARM

Purity and impurity of the mind are real. A peaceful mind empowers humans to control positive thoughts, much like a battery that, if not valued, may yield to evil thoughts. 'Purity is admirable,' and 'impurity is an instance of restraint.'

Purity means keeping your mind, thoughts, and heart clean. It not only helps your body stay healthy but also has the ability to make you feel better. Think of it like flowers – just as bees turn bitter nectar into sweet honey, purity can turn tough experiences into something beautiful.

In terms of mental stamina, balance is crucial for a peaceful mind, allowing individuals to present exact performances, speech, and thoughts. The regulation of purity and impurity is prohibitive.

Shifting to EDUCATION DEVELOPMENT, ancient education prioritized purity for knowledge. However, modern education has become impure, resembling a machine. This dependence on machinery is becoming extravagant.

Artificial intelligence in the field of pharmacy

SPANDANNA S
1st SEM B PHARM

Successful pharma brand in 2023 will employ AI in all the aspect of their marketing. Every minute of everyday, people machines sensors and devices. Generate imaginable amount of data cloud computing smart phones and social media platform are everywhere. Everyone are connected with mobile phones and connected with internet. There are already a lot of AI powered application like this over the next 5 years they will strengthen in the number and power and will be joined by other standing on their shoulders to change the future with AI. While there is growing interest in use of AI in the pharmacy system it is important to note that implementation should be carefully considered and planned. The implementation of AI in the pharmacy system can help and make the world a better place in several ways. Firstly it can improve access to health care services by providing personalized medication and 24/7 support to patient. This can help patient manage the medication more effectively and reduce the need for frequent visit to health care provides. Which can especially beneficial in areas where health care service are limited as in accessible secondly AI can potentially reduce health care cost by minimising medication error and preventing advise drug interaction resulting in fewer hospitality and lower health care expense. AI can reduce the workload on health care provides allowing them to focus on more complex task and improve the quality of care. Finally AI rapidly transforming various industry.



Guest Lecture at Seven Hills college of pharmacy, Tirupati



Dr A Geethalakshmi, HoD and Prof Dept of Pharmaceutics has addressed a guest lecture at seven hills college of pharmacy in Tirupati on 26/4/2023

Oral Presentation



Dr. A. Geethalakshmi, Professor, Dept. of Pharmaceutics, Ikon Pharmacy College presented an oral presentation in the topic of Green synthesis, Charecterization and in-vitro evaluation of Antioxidant & Anti-diabetic activity of silver nanoparticles of tephrosia Uniflora at Convention on drug discovery and development, Dayananda Sagar university, Bangalore



Mr. Hemanth S Associate professor, Dept of Pharmaceutical Chemistry, Ikon Pharmacy College, has published a journal regarding the topic 'In silico drug design, ADMET prediction, and docking-based virtual screening analysis of some novel manzamine-a derivatives as potent anti-malarial agents'

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This is to certify that the paper entitled
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Authored by
Hemanth S
From

Faculty, Department of Pharmaceutical Chemistry,
Ikon Pharmacy College Bengaluru

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In silico drug design, ADMET prediction, and docking-based virtual screening analysis of some novel manzamine-a derivatives as potent anti-malarial agents

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ABSTRACT:

Background: Modern drug design, virtual screening, and molecular docking are commonly used to understand drug-receptor interactions. For docking test against 1NGG. Glycogen synthase kinase-3 beta (GSK3) compound with FRATtide peptide, and manzamine-A analogs were used for current work. One of the most attractive marine natural compounds is without a doubt manzamine alkaloid. The oceanic sponge Haliclona species was obtained from Cape Manzano, Okinawa, Japan, and its demonstrative manzamine alkaloids, and manzamines A-C were isolated. The Manzamine alkaloids are a special group of alkaloids with a distinctive aromatic system. They have a wide-ranging spectrum of biological properties, including cytotoxicity, antibacterial, antimalarial, antiviral, and inflammatory properties.

Objectives: The studies' primary goal is to dock the chosen Manzamine analogs onto the protein 1 NGG and compare the result to those of manzamine as a standard drug.

Methods: PyRx, Swiss dock, and discovery studio visualizer (DSV) tool were used to carry out the virtual screening and molecular docking analysis.

Results: All 40 Manzamine-a analog compounds scores were discovered to range between -9.4 to -11.7kcal/mol at the protein active site compound 12,28-oxamanzamine A interact with amino acids such as Isoleucine (ILE A 376), Aspartic acid (ASP A 341), Arginine (ARG A 344), Glutamic acid (GLU B 333), Alanine (ALA B 336) and Proline (PRO A 346 & PRO A 380). Numerous Manzamine A substituted compounds have been identified as binding sites, activity, and affinity scores.

Conclusion: The manzamine-A derivatives have been discovered to exhibit antimalarial activities.

Keywords: ADME, P-gst-3beta, Manzamine, A, Molecular docking, Virtual screening, antimalarial



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