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Contents

Editorial	2
Seminar & Workshop at NGSMIPS	2
Campus Buzz	3
Department Activities	4-5
GPAT-2019 Qualifiers	6
Student Achievements	7
Annual & Cultural day Celebration 2019	8

VISION

To achieve excellence in academics and research in pharmaceutical sciences with high degree of professional and ethical standards.

MISSION

To create an environment conducive for pursuing quality education and research in pharmaceutical sciences enabling the students and teachers attain high degree of competence to play a key role in national health mission.

'For Private Circulation Only'



The NGSMIPS Herald

The Official news letter of the Nitte Gulabi Shetty Memorial
Institute of Pharmaceutical Sciences, Mangaluru



NGSM Institute of Pharmaceutical Sciences

(A constituent Institute of Nitte (Deemed to be University))

Placed under Category "A" by MHRD, Govt. of India

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From the Editor's desk

Dear friends and Colleagues,

I began as an executive editor in May 2016 and probably this is my last issue as an executive editor at least for now. I have completed my three years as an executive editor of NGSMIPS Herald, the official quarterly newsletter of NGSMIPS. I tried my best to make our editorials hard-hitting and thought-provoking; I would like to say big thanks to our beloved Principal, Dr. C.S Shastri for allowing me to work as an executive editor of NGSMIPS Herald. I am grateful to our staff members who have been contributing immensely for the completion of this quarterly newsletter periodically. I have been fortunate enough to have worked with the highly motivated, team herald, who have supported me during the preparation of the issues.

In this editorial, I would like to stress in one of the reports issued by the World Bank and Elsevier. The story is focussed on research output and citation impact, which are important indicators of the strength of the individual researchers and research institutions. The key finding of

the report was in the South Asia region, contributing 5.3 % of the world's scholarly output during the period 2012 and in 2016. India alone accounted for 88 % of the region's academic publications, and thus trends in India strongly influence aggregated indicators for the region. The report highlights that when research institutions in South Asia collaborate, they are better placed to tackle the unique challenges South Asian countries face than when they work alone. Meanwhile, collaborations with institutions outside South Asia increase scholarly impact. The three key recommendations made by the report is to expand the network of intra and extra-regional collaborations, establish financial incentives and raise the standard of the peer review process.

Finally, I take this opportunity to thank editorial board, contributors, staffs (teaching and non-teaching), and students for their splendid contribution.

Dr. Akhilesh Dubey
Executive Editor

Seminars & Workshops at NGSMIPS



Campus Buzz

Annual Day Celebration 2019

The College Annual Day celebration of Nitte Gulabi Shetty Memorial Institute of Pharmaceutical Sciences was held on 15th March 2019 at the K.S. Hegde auditorium amidst a lot of fanfare and excitement. The day began with a prayer invoking blessings from the Almighty. The Vice Principal, Dr. R. Narayana Charyulu delivered the welcome address and Dr. K. Ishwar Bhat, Head, Department of Pharmaceutical Chemistry, introduced the Chief guest "Vidyaratna" Prof. Bhaskar Rai Kukkuvali, a renowned orator, writer, poet, critic, T.V Anchor, an outstanding Yakshgana exponent and a sparkling artist. Dr. M.S. Moodithaya, Pro Vice-Chancellor, Nitte (Deemed to be University) was the Guest of honour. He congratulated the students for their splendid performance in both curricular and extracurricular activities and complimented the college as a "Shining jewel" among the Nitte group of institutions. Presenting the College Annual Report, the Principal Dr. C.S. Shastry provided a comprehensive picture of the academic achievements, on-going funded projects, research impetus and the concerted effort of the college towards Institute-Industry collaboration for placement of students with pharmaceutical companies. After an inaugural function annual magazine of the college, "Antarala 2019" was being released by the guests and editorial board members of the magazine committee.

Cultural day celebrations 2019

The Cultural Activities Committee of NGSM Institute of Pharmaceutical Sciences organized "Arohi 2019" a cultural extravaganza on 11th March 2019 at the K.S. Hegde auditorium to bring out the hidden talent of the students. Inter-class competitions were held in several entertainment forms like skits, fashion show, singing (Solo / Duet/ Group), dance (Solo / Duet/ Group) and spot dance. Prizes were awarded to winners in intramural cultural, literature and sports events held during the year.

Continuing Education Programme

NGSM Institute of Pharmaceutical Sciences, Nitte (Deemed to be University) organized PCI sponsored CEP for Pharmacy Teachers on the topic "Emerging trends in Pharmaceutical Education and Research" during 7th Feb to 9th Feb 2019.

CADD workshop on Molecular Docking, Virtual Screening & Biologics Discovery

Department of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences organized two day workshop on Computer Aided Drug Design on the theme "Molecular Docking, Virtual Screening & Biologics Discovery" during 31st Jan 2019 to 1st Feb 2019. Several academicians, scientists and research scholars from in and around Mangaluru have participated. The

workshop was inaugurated by Dr. M. Shantharam Shetty, Pro-Chancellor, Nitte (Deemed to be University) Mangaluru. Dr. K. Ishwar Bhatt, Head, Department of Pharmaceutical Chemistry introduced the guests and gathering.

One Day National Seminar on "Perspectives of Quality in Pharmaceutical Industry"

A National Seminar on "Quality perspectives in Pharmaceutical Industry" was conducted by the IQAC & Department of Pharmaceutics, NGSM Institute of Pharmaceutical Sciences on 23rd February 2019. Dr. Niranjan N Chiplunkar, Principal, NMAM Institute of Technology, kindly consented to be the chief guest and, Dr. Indrani Karunasagar, Director (R&D), Nitte, (Deemed to be University) was the guest of honour on this occasion. Mr. Umesh Baikunje, Founder & CEO, Baikunje Consultancy, Bengaluru; Mrs. Soumya Jose, Senior Clinical Research Scientist, IQVIA, Bengaluru; Mr. Rendeep Rajendran, Health & Safety specialist, Pharmacovigilance Cell, Accenture Operations, Chennai and Mr. Rakshith Shetty, Senior Research Associate, STEER Life India Pvt. Ltd, Bengaluru were the resource persons.

One Day Workshop on Nanoparticle Characterization by Zetasizer

A one day workshop on Nanoparticle Characterization by Zetasizer was organised by the Department of Pharmaceutics, NGSM Institute of Pharmaceutical Sciences in association with Malvern-Aimil Ltd., Bengaluru on 26th March 2019. Dr. Rekha P.D, Professor and Deputy Director, Yenepoya Research Center was kindly consented to be the chief guest and, Dr. Harsha Halahalli N, Director of Curriculum Development, Nitte (Deemed to be University) was the guest of Honour on this occasion.

National Symposium and Workshop on Emerging Perspectives in Preclinical and Clinical Research

NGSM Institute of Pharmaceutical Sciences organized the Indian Pharmacological Society sponsored National Symposium and Workshop on "Emerging Perspectives in Preclinical and Clinical Research during 28th March-29th March 2019. Dr. M. Vijay Kumar, Vice Chancellor, Yenepoya (Deemed to be University) kindly consented to be the chief guest and Prof S.K Kulkarni, Emeritus Professor of Pharmacology & Formal Pro-Vice-Chancellor (DUI) (PU) was the guest of honour. Dr. Satheesh Kumar Bhandary, Vice-Chancellor, Nitte (Deemed to be University) presided over the function. Dr. B. Dinesh Kumar, Scientist 'G'- Director Grade, HOD Drug Toxicology Division & Animal Facility, ICMR-National Institute of Nutrition, Hyderabad was the key resource person of the seminar. The keynote address was delivered by Prof S.K Kulkarni.

International Women's day at NGSMIPS

The Institutional Cell against Sexual Harassment (I-CASH) of NGSM Institute of Pharmaceutical Sciences organised International Women's day on 8th March 2019. The women are sported purple ribbons on their sleeves. An elocution competition on the topic "Feminism: Bane or Boon?" was organised for students under the guidance of the I-CASH co-ordinator, Dr. Marina Koland. The panel of judges comprising Dr. K. Ishwar Bhat, Head, Department of Pharmaceutical Chemistry and Dr. Smitha Hegde, Professor NUCSER declared the following winners: Mr. Ruman AK of III B.Pharm bagged the first prize while Ms. Aneeta Maria of VI Pharm.D & Ms. Evita D'Souza of III B.Pharm won the II and III prize respectively. A guest lecture was organized for teaching and non-teaching faculty.

Blood Donation Camp

A blood donation camp was organized by the NSS unit of

NGSM Institute of Pharmaceutical Sciences in assistance with the Blood Bank, Justice KS Hegde Charitable Hospital on 13th March 2019 at the Seminar hall of the college. The camp was inaugurated by Dr. Shravya, Blood Bank Officer, Dr. C.S Shastry-Principal, Dr. R Narayana Charyulu, Vice Principal, Dr. Santanu Saha-NSS Program Officer along with the NSS unit members. The Principal appreciated the efforts of the volunteers and said that their noble act of donating blood could save lives and bring smile and happiness in the homes of those in distress and pain.

A total of 30 students donated blood. Dr. Santanu Saha thanked the volunteers, staff members and the team of experts from the blood bank for their enthusiastic participation and positive support. The donors were served refreshments and were given a Certificate of Appreciation as a token of gratitude.

Guest Lectures

- A guest lecture on "Translational research leading to a potential product that can be commercialized through Entrepreneurship Development" by Dr. Jitendra Kumar, Managing Director, Bangalore Bioinnovation Centre(BBC), Bengaluru was organized at NGSM Institute of Pharmaceutical Sciences on 22nd January 2019.
- A guest lecture on 'Science and Spirituality' by Swamy Namanishtha Das was organized by NGSM Institute of Pharmaceutical Sciences at Paneer campus on 21st January 2019.
- A guest lecture on "Career Opportunities and Prospects in Pharmaceutical Regulatory Affairs" was organized by department of pharmaceutical regulatory affairs at NGSM Institute of Pharmaceutical Sciences on 19th January 2019 by Mr. Srivatsa Rao, assistant general manager (Generic Formulations), Biocon Limited, Bengaluru. He discussed various aspects of career opportunities in pharmaceutical regulatory affairs.
- A guest lecture on "Traditional Knowledge and Herbal Medicine" was organised by the Department of Pharmacognosy, NGSM Institute of Pharmaceutical Sciences, Mangaluru on 24th January 2019 at Nitte Institute of Architecture, Paneer Campus. Dr. Suresh Negalaguli, Consultant Surgeon, Mangala Hospital and Professor, Muniyal Institute of Ayurvedic Medical Sciences, Manipal was the guest speaker for the occasion.
- The Department of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences organized a guest lecture on "The Wonder World of Nanotechnology" by Dr. M.S Santosh, Assoc. Professor at the Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy

Institute of Technology, Bengaluru on 20th February 2019.

- The Department of Pharmaceutics organised a guest lecture on "Transmute from Campus to Corporate" by Mr. Ronald Mascarenhas, General Manager, Human Resources & Admn, Syngene International Limited, Mangalore held on 22nd March 2019 for the students graduating in 2019.
- The Department of Pharmaceutical Regulatory Affairs, organised an interactive session for M. Pharm students with our alumni Ms. Jessica Zephрина Fernandes, Regulatory affairs associate, Novo Nordisk, Bengaluru on 2nd March 2019.

Presentations:

- **Dr. Jobin Jose**, Assistant Professor, Department of Pharmaceutics, presented a poster entitled, "Development of Nanotechnology – based photo protective formulations of silymarin in the 6th World Congress on Nanomedical Sciences on Chemistry, Biology Interface: Synergistic New Frontiers and Science and Technology for the Future of Mankind organised by Jamia Hamdard at Vigyan Bhavan, New Delhi during 7th -10th Jan 2019.
- **Dr. M Vijay Kumar**, Assistant Professor, Department of Pharmaceutical Chemistry, delivered an oral presentation on the title, "Molecular Docking and Evaluation of Anti-diabetic Efficacy Novel Pyrazolone Derivatives" in the Drug Discovery India 2019 held in Mumbai during 17th Jan 2019 to 18th Jan 2019.
- **Dr. Jainey P James**, Assistant Professor, Department of Pharmaceutical Chemistry, and **Dr. Sneha Priya**, Department of Pharmaceutics, presented a poster entitled, "Molecular docking and admet studies of pyrazolopyrimidines as Tankyrase Inhibitors" and "Quality by design approach: ropinirole hydrochloride" respectively in the 3rd National

Conference of Institute of Pharmacy on Integrating Natural and Modern Medicines in Drug Discovery and Development held at Nirma Institute of Pharmacy, Ahmedabad during 24th-25th January 2019.

- **Mrs. Treesa P Varghese**, Assistant Professor, Department of Pharmacy Practice, presented a poster entitled, "Prevalence of Metabolic Syndrome in Patients with the acute coronary syndrome in the International Conference on Clinical Pharmacy & Pharmaceutical Technology held at Jamia Salafiya Pharmacy College, Malappuram, Kerala on 16th Feb 2019.
- **Dr. B C Revanasiddappa**, Associate Professor, Department of Pharmacy Practice, delivered an oral presentation on the title, "In vitro anti-inflammatory activity of ethanolic extract of *S. Campanulata*" in the National Conference on Recent Advances in Biochemistry held at St. Aloysius College, Mangaluru on 23rd Feb 2019. He has also presented a poster entitled, "In vitro antiurolithiatic activity of ethanolic extract of *Dermodium triflorum* in the 6th International Congress of Ethnopharmacology, India held at Manipal College of Pharm-aceutical Sciences, Manipal during 8th Feb to 10th feb 2019.
- **Mr. Chandrashekar D**, Chief Librarian, delivered an oral presentation on the title, "A survey of preference and utilisation of micromedex software by Nitte Pharmacy College, Mangalore in the 11th Annual Conference, KHSLA 2019 on Biomedical and Clinical Research Support System held at Yenepoya (Deemed to be University), Deralakatte during 22rd Feb to 23rd Feb 2019.
- **Dr. Jane T Jacob**, Assistant Professor, Department of Pharmaceutical Chemistry & **Dr. Nimmy Chacko**, **Mrs. Zeena Fernandes**, Assistant Professors, Department of Pharmacology presented scientific posters in the 24th Dubai International Pharmaceutical and Technology Conference & Exhibition (DUPHAT) 2019 held at Dubai International Convention and Exhibition Centre, Dubai during 26th to 28th Feb 2019.

Campus drive at NGSMIPS

- The Institute Industry Collaboration & Placement (IICP) Cell of NGSM Institute of Pharmaceutical Sciences, Deralakatte organized a campus interview for the final year M. Pharm, Pharm. D and B. Pharm students on 7th and 8th Jan. 2019 by the Bengaluru based Bioclinica®, the world-leading provider of scientific and technology-enabled solutions for clinical research.
- The Institute Industry Collaboration & Placement Cell of NGSM Institute of Pharmaceutical Sciences, Deralakatte, Mangaluru organized a campus interview for the final year B. Pharm students on 20th February 2019 by Mylan Laboratories Bengaluru, one of the largest generics and specialty pharmaceutical companies in the world, with more than 7500 marketed products sold in over 165+ countries and territories.

Staff Achievements

- **Dr. Himanshu Joshi**, Assistant Professor, Department of Pharmacology was invited to deliver a talk on, "Animal-based research: Cues and crafts" during the AICTE sponsored quality improvement programme (QIP) ON "Holistic approach for evidence-based medicine in the era of new healthcare reforms in India" at Manipal College of Pharmaceutical Sciences, MAHE on 21st March 2019.
- **Dr. Himanshu Joshi**, Assistant Professor, Department of Pharmacology was invited to deliver a guest lecture on "Animal Research: The way ahead" at S.C.S college of Pharmacy, Harpanhalli, Karnataka, on 31st Jan 2019.
- **Dr. M Vijay Kumar**, Assistant Professor, Department of Pharmaceutical Chemistry, was awarded 100 most impactful Healthcare leaders, conferred by World Health and Wellness Congress. The award function was held at Taj Lands End, Mumbai on 14th Feb 2019.

Milestone achieved by the NGSMIpiian

Ms. Reenal Shwetha, IV Year B.Pharm student was selected by MHRD to witness the republic day parade, 2019 from the Prime Minister's box at Rajpath. She is one of the 100 meritorious students selected from all over India.

Research/Review Publications/Paper Reviewed/Patent Applied/Granted/Book/Chapter Published

Department of Pharmaceutical Chemistry

1. Sharmila Kameyanda Poonacha, Satheesh Kumar Bhandary Bavabeedu, Ronald Fernandes, Suchetha Kumari Nalilu, Vadisha Srinivas Bhat, Jayarama Shetty Kolakebail, Jerish Mangattu Jose, Alex John Peter. Protective Efficacy of *Asparagus racemosus* Root Extract and Isoprinosine against Ionizing Radiation – induced Clastogenicity and Toxicity in Swiss Albino Mice Journal of Young Pharmacists, Vol. 11, Issue 1, Jan-Mar. 2019, pp. 40-45.
2. Deepthi D K, Deepthi K, Jane M, Hemanth Kumar. Estimation of Lopinavir by RP-HPLC. Research Journal of Pharmacy and Technology, Vol. 12, Issue 1, Jan. 2019, pp. 251-253.
3. Sonal D'Souza, Jennifer Fernandes, Vijay Kumar M, Nishmitha Gretta D'Souza, Ronald Fernandes. Antiepileptic Activity of Ethanolic and Aqueous Leaves Extract of *Annona Reticulata* Linn. Research Journal of Pharm. and Tech., Vol. 12, Issue 1, Jan. 2019, pp. 241-244

Department of Pharmaceutics and Pharmaceutical Regulatory Affairs

1. Swapnil Dylan Fernandes, R Charyulu Narayana, Anoop V Narayanan. The emergence of India as a blossoming market for nutraceutical supplements: An overview. Trends in Food Science and Technology, Vol. 86, Feb. 2019, pp. 579-585
2. Mascarenhas Shanon Ben, Koland Marina, Ghetia Sawan Mukund. Eudragit S-100 Encapsulated Chitosan Coated Liposomes Containing Prednisolone for Colon Targeting: in Vitro, Ex Vivo and In Vivo Evaluation. Journal of Young Pharmacists, Vol. 11, Issue 1, Jan-Mar 2019, pp. 7-11
3. Shanon Ben Mascarenhas, Marina Koland and Hemanth Kumar. Development and Investigation of Eudragit S-100 Encapsulated Chitosan Coated Liposomes of Prednisolone for Colon Targeting. International Journal of Pharmaceutical Sciences and Research, Vol. 10, Issue 5, 2019, pp. 1000-1008
4. Sandeep D S, Prashant Nayak, Narayana Charyulu, Pankaj Kumar, Abhishek Kumar. Biosimilars-An Update on Global Market Scenario, Regulatory Status and Pharmacovigilance. Pharma Times, Vol. 51, No. 02, Feb. 2019, pp. 19-21.
5. Ravi GS, Akhilesh Dubey, Srinivas Hebbar. Development of Maltodextrin based proniosomes derived niosomes of Ofloxacin. International Journal of Pharmaceutical Sciences and Research, Vol. 10, Issue 3, 2019, pp.1485-1490.
6. Dharmasthala, Shripathy, Shabaraya Addai Ramakrishna, Andrade Gladson Simon, Shriram Ravi Gundadka, Hebbar Srinivas, and Dubey Akhilesh. Fast Dissolving Oral Film of Piroxicam: Solubility Enhancement by forming an Inclusion Complex with β -cyclodextrin, Formulation and Evaluation. Vol.11, Issue 1, 2019, pp.1-6.
7. Amala Maxwell, Sneh Priya. Nanosized Ethosomes- A promising Vesicular Drug Carrier for transdermal Drug Delivery. Research Journal of Pharmacy and Technology. Vol.12, Issue 2, 2019, pp.876-880.
8. Jobin Jose, Ashwini P B, Prashant Nayak, R Narayana Charyulu. Oral Dispersible Films, Novel Technology for the Delivery of Drugs. Research Journal of Pharmacy and Technology. Vol.12, Issue 1, 2019, pp.425-428.

GPAT-2019 Qualifiers



**Ms. Alafiya
A Matcheswala**
IV B.Pharm



Ms. Anusha S
IV B.Pharm



Ms. Divya S
IV B.Pharm



Mr. Ahmad Thouseef K H
IV B.Pharm



**Ms. Neha Benedicta
Fernandes**
B.Pharm VI Sem



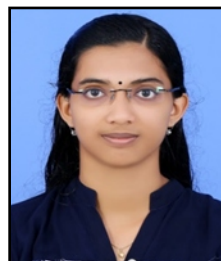
Ms. Gopika K V
M.Pharm II Sem
(Pharm. Chemistry)



Ms. Anupriya N R
M.Pharm II Sem
(Pharm. Quality Assurance)



Ms. Geena V
M.Pharm II Sem
(Pharmacology)



Ms. Anjali Krishna
M M.Pharm II Sem
(Pharmacology)



Ms. Deepika Sharma
M.Pharm II Sem
(Pharmacy Practice)

Champions of the 6th Inter Collegiate Athletic Meet 2019



Mr. Abhilash
I Pharm D
1st Place in 200 mtrs.
2nd place in 4X100 mtrs Relay
3rd Place in 100 mtrs.



Ms. Preetha H S
IV B.Pharm
2nd place in 4X100 mtrs Relay
3rd Place in 100 mtrs.
3rd Place in 200 mtrs.



Mr. Akshay Thomas
B.Pharm II Semester
1st Place in Triple Jump.
2nd place in 4X100 mtrs Relay



Ms. Fathimath Shahana
B.Pharm IV Semester
1st Place in Triple Jump
2nd place in 4X100 mtrs Relay



Ms. Achala Bhat
IV B.Pharm
2nd Place in High Jump
2nd place in 4X100 mtrs Relay



Mr. Muhammed Shabeer T.
B.Pharm IV Semester
1st Place in Discuss Throw



Ms. Runi D Shetty
I Pharm D
1st Place in Discuss Throw



Ms. Anushree D
B.Pharm II Semester
1st Place in High Jump



Mr. Saurav K V
IV B.Pharm
2nd place in 4X100 mtrs Relay



Mr. Amaresh Hadapad
M.Pharm IV Semester
2nd Place in High Jump



Mr. Ibrahim Shanfar
V Pharm D
2nd place in 4X100 mtrs Relay



Ms. Apoorva
B.Pharm VI Semester
2nd place in 4X100 mtrs Relay



Ms. Mariyam Shibli
IV B.Pharm
2nd Place in Shot Put



Ms. Dhanushree
IV Pharm D
3rd Place in Discuss Throw



Mr. Om Prakash Karanth
B.Pharm II Semester
3rd Place in Triple Jump

INCRIDEA-2019



Ms. Chaitrashree
IV Pharm D

1st Place in FACE PAINTING



Ms. Dhanushree
IV Pharm D



Ms. Deena Delma D Souza
B.Pharm VI Sem



Ms. Jeshma Chrystle Pinto
B.Pharm VI Sem



Ms. Shreya Harish Puthran
B.Pharm VI Sem

1st Place in DUMB CHARADES



Ms. Reenal Shwetha Alva
IV B.Pharm

2nd Place in DA VINCI



Ms. Janice Sequeira
B.Pharm II Sem



Ms. Jenelle Fernandes
B.Pharm II Sem



Ms. Venisha Sylvia Mendonca
B.Pharm II Sem

2nd Place in DUMB CHARADES

Annual & Cultural Day Celebrations 2019



Book Post