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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



Ranked #27
by NIRF



UG course
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NGSM Institute of Pharmaceutical Sciences

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

Placed under Category "A" by MHRD, Govt. of India
Accredited with Grade "A" by NAAC
UG program accredited by NBA



From the Editor's desk

Dear Friends and Colleagues,

I wish our readers a very Happy and Prosperous New Year!

Let us discuss innovations in pharmacy teaching in my first editorial of the year 2018. Today Pharmacy education is facing tremendous challenges and at the same time opportunities as well. To address these challenges and maximize opportunities, faculty team should be innovative and adaptive which changes with the priorities, beliefs and habits related to education. As a faculty, we believe that pharmacy education is facing many teaching and learning problems, challenges, questions and opportunities. We are being asked to use evidence-based teaching to examine and evolve the content of our teaching, the techniques used and our methods for monitoring learning. As a pharmacy college, we are being asked to be more accountable for student learning outcomes.

In addition, despite the challenges, pharmacy education also has opportunities. Opportunities may arise when learning environments change, curricula are transformed and technology is introduced. Another aspect is innovative thinking, creativity, problem solving and communication skills which has become an extremely important criterion to sustain in the field for pharmacy professionals. Creativity and Communication skills are two important components of our innovative system which will be significant for growing business in the coming years.

Nowadays one popular contemporary media production that combines innovative thinking with a compelling communication style is TED (Technology, Entertainment and Design) talks. It is immensely popular these days amongst youth as it provides a model for how to communicate unique ideas concisely and effectively to the diverse audience.

Let us discuss in brief a model and strategy for course activity progression throughout semester scheme.

In the beginning of the semester, first needs to establish creative thinking mind-set and develop divergent thinking skills for the students. In the mid semesters, develop creative thinking strategy and presentation skills. During the end semesters, public presentation skills should be encouraged. Further, students should be allowed for Mock TED Talk Presentation. Well this strategy will work out or not as of now it is difficult to judge, but institutions and universities or policymakers can think over it.

I hope this editorial could play an instrumental role in order to establish innovations in our pharmacy education system.

Dr. Akhilesh Dubey
Executive Editor

GLIMPSES OF THE CELEBRATION OF ALUMNI NIGHT 2017



CAMPUS BUZZ

National Conference on “Health Economics & Quality Use of Medicines”

The Indian Council of Medical Research & Nitte (Deemed to be University) sponsored two day National Conference on “Health Economics & Quality Use of Medicines” organized by the Department of Pharmacy Practice, NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangaluru



on 1st & 2nd December 2017 at University Auditorium, Paneer Campus, Deralakatte, Mangaluru, Karnataka.. The Conference was inaugurated by the Chief Guest, Prof. (Dr.) Satheesh Kumar Bhandary, Honourable Vice-Chancellor of Nitte (Deemed to be University), Prof. (Dr.) P.S. Prakash, Dean, K.S. Hegde Medical Academy, and Major (Dr.) Shivakumar Hiremath, Medical Superintendent, Justice K.S. Hegde Charitable Hospital were the Guests of Honour. Prof. (Dr.) C.S. Shastry, Principal, NGSMIPS, welcomed the gathering and introduced Chief Guest and Guests of Honour. He also highlighted the importance the conference. During the inauguration, the conference abstract book was released by the Chief Guest. Dr. Uday Venkat Mateti, organising secretary, delivered the vote of thanks.

During the conference, seven scientific sessions were conducted on the theme of “Health Economics & Quality Use of Medicines”. Dr. G. Parthasarathi, Dean, Global Development, JSS University, Mysuru was invited as a keynote speaker. The resource persons of the conference: Dr. A. Ramakishan, Deputy Drugs Controller of India, Ministry of Health & Family Welfare, Mumbai, Dr. Rajesh Ballal, Professor of General Surgery, KSEMA, Mangaluru, Dr. Mahadev Rao, Professor of Pharmacy Practice, MCOPS, MAHE, Manipal, Dr. G.P. Mohanta, Professor, Annamalai University, Tamil Nadu, Dr. Revikumar K.G., Director, Kerala Institute of Drugs

Studies, Trivandrum, Kerala, and Mr. Chris Noronha, Executive Director, Gateway to Health LLP, USA.

More than 214 students, research scholars and staff from Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra, Odisha, Tamil Nadu, and Telangana States participated in the Two day National conference. The Conference received an overwhelming response.

Alumni Meet 2017

The Alumni meet 2017 of NGSM Institute of Pharmaceutical Sciences was held on 16th December at college campus amidst grand fanfare. Dr. M.S. Moodithaya, Pro-Vice Chancellor, Nitte (Deemed to be University) was the chief guest. Addressing the alumni Dr. Moodithaya said that reunions like these serve as a bridge to connect the present with the wonderful past and the glorious future and also offer an incredible opportunity for the alumni to participate and contribute towards augmenting the intellectual, academic and research oriented developmental initiatives of their alma mater. Dr. C. S. Shastry, principal-NGSMIPS briefed the progress made by the college in the recent years and presented the future plans. Responding to the welcome extended by the college, the alumni Mr. Arun. A, Dr. Devraj and Mr. Kurien led the gathering down the memory lane recalling the thrilling moments of fun and anxiety, pressure and pleasure of the good old college days much to the appreciation and acknowledgement of their friends in the audience all the way through thunderous applause. The alumni expressed their hearty willingness to contribute and partake in the progress and growth of their alma mater. Dr. Jennifer Fernandes, Professor Department of Pharmaceutical Chemistry and Convener NIPSAA presented the welcome address and Dr. Prasanna Shama Khandige, HOD department of Pharmacology delivered the vote of thanks.

Mr. Srinivas Hebbar, Ms. Avril, Mr. Bharath Raj and Mr. Ravi G.S conducted the events of the evening. The students, the children of the alumni and staff members put up some sparkling cultural program and attractive stage show followed by sumptuous dinner in the backdrop of some electrifying and groovy Bollywood numbers.

Farewell to Vice Chancellor at NGSMIPS

The NGSMIPS family bid farewell to Dr. S. Ramananda Shetty, the outgoing vice chancellor of Nitte University on 8th of November 2017. On this occasion, the principal Dr. C.S Shastry spoke about the guidance and whole heart support rendered by the Vice Chancellor. The Vice Chancellor in his farewell speech highlighted his experience of Nitte (Deemed to be University) and shared the sweet and sour moments with the staffs of



NGSMIPS.

Welcoming to Vice Chancellor at NGSMIPS

The NGSMIPS family welcomed Dr. Satheesh Kumar Bhandary the incoming Hon'ble Vice Chancellor of Nitte (Deemed to be



University) on 16th of November 2017. On this occasion, the principal Dr. C.S Shastry introduced the staff members to Hon'ble Vice Chancellor. Hon'ble Vice Chancellor wished all staff members and promised his full support for the upgradation of the college to the next level.

Annual Sports Meet 2017

The annual sports meet of NGSM Institute of Pharmaceutical Sciences was held on 29th November, 2017 at the Nitte (Deemed to be university) ground. The chief guest, Dr. U.S Krishna Nayak, Dean, ABSMIDS, declared the meet open. The Principal Dr. C.S. Shastry welcomed the gathering and called upon the students not only to give their best but also exhibit sportsmanship spirit and fair play. The Physical Director Mr. Rajaram Shetty honoured the dignitaries with floral bouquets.

Workshop

The Department of Pharmaceutics, NGSM Institute of Pharmaceutical Sciences organized a workshop on "Technical Compilation and Presentation on Pharmaceutical Formulations" for M.Pharm students, on 14th October 2017, Saturday at the seminar hall of NGSMIPS. The training session was handled by Mr. Srivatsa Rao, Associate General Manager, Regulatory Sciences, Biocon Research Limited, Bangalore. Dr. C.S. Shastry, Principal, NGSMIPS, welcomed the guest and inaugurated the session. The workshop proceeded with several activities and role plays that helped the participants to understand the regulatory requirements, probable technical errors, their technical competency, labeling requirements, presentation before government drug regulatory bodies etc. M. Pharm students of all specialties enthusiastically participated in the sessions that enabled them to learn differently than the regular classroom training. Dr. R. Narayana Charyulu, Vice Principal delivered the vote of thanks to Mr. Srivatsa Rao and presented a memento as a token of gratitude.

Seminar by Planet Education: "Study and Work Opportunities Abroad"

A seminar on "Study and Work Opportunities Abroad, was organized by the Institute- Industry Collaboration and Placement

cell of the college on 4th Nov 2017. The resource persons Mrs. Priya, Manager, and Mr. Imran S.M, Assistant Marketing Manager of Planet Education LLP, explained the steps and procedures to be followed right from the time of identifying the university and throughout the stages of application, Statement of Purpose to be drawn, Visa procurement assistance etc. to aspirants who wish to pursue higher education in countries like UK, Australia, New Zealand, USA, Canada, Ireland, Singapore, Switzerland, Malaysia. She also shared some important information on exams like GRE, GMAT, TOEFL, and IELTS which is mandatory for the applicants to clear before seeking admission in Universities in the above countries.

National Unity Day

NSS unit of NGSM Institute of pharmaceutical Sciences, Paneer organized a programme on observation of National Unity on 31st October 2017 to celebrate the birth anniversary of Late Sardar Vallabhbhai Patel, at the college premises at 3.30 pm. Prof Dr. C.S Shastry, Principal, NGSM Institute of Pharmaceutical Sciences addressed the gathering and explained the contribution Late



Sardar Vallabhbhai Patel for unification of India. In the speech, Dr. C.S Shastry, also pointed out the importance of organizing the unity celebration today's date in India which has been initiated by government of India. Then Dr. C.S Shastry, Principal, took the rashtriya ekta diwas pledge along with all the teaching and non-teaching staff members and students of the Institution.

Proud moment for NGSMIPS: Miss. Daniel Anila Roy, IV Year student from Pharm D won the third prize in Devinder Pal IPA National Elocution Competition 2017 in 69th IPC 2017 at Chitkara University, Chandigarh on 23rd December 2017. Principal and staff showered best wishes to her.

POSTER/PAPER PRESENTATION IN CONFERENCES /SEMINARS / WORKSHOPS BY STUDENTS

Sl. No.	Name of the student	Conferences / Workshops Attended	Topic	Date of Seminar / Workshop	Poster
1	Shabeer Ahammed	69th IPC 2017 held at Chitkara University, Rajpura	Assessing the risk factors and pharmacological treatment approaches in heart failure patients	22-24 December 2017	Poster
2	Ashif P K	69th IPC 2017 held at Chitkara University, Rajpura	Assessment of Drug – Drug Interactions in Cardiac Patients	22-24 December 2017	Poster
3	Anuroop Sood	69th IPC 2017 held at Chitkara University, Rajpura	Drug related problems in patients with type two diabetes mellitus with hypertension in tertiary care teaching hospital	22-24 December 2017	Poster
4	Adithya Nandan	69th IPC 2017 held at Chitkara University, Rajpura	Incidence of atrial fibrillation after cardiac surgery	22-24 December 2017	Poster

5	Vishnu O K	69th IPC 2017 held at Chitkara University, Rajpura	Assessment of antibiotic usage in post-operative patients in surgery department of a tertiary care teaching hospital	22-24 December 2017	Poster
6	Jyothish P Janardhan	69th IPC 2017 held at Chitkara University, Rajpura	Prescribing patterns in coronary artery disease in tertiary care hospital	22-24 December 2017	Poster
7	Antony M Sebastian	69th IPC 2017 held at Chitkara University, Rajpura	Assessment of Adverse drug reactions in dermatology department of a teaching hospital	22-24 December 2017	Poster
8	Deenu Elsa Varghese	69th IPC 2017 held at Chitkara University, Rajpura	Risk factors in coronary artery disease	22-24 December 2017	Poster

CONFERENCES/ SEMINARS ATTENDED BY THE STAFF

Sl. No.	Name of the faculty	Conferences / Workshops Attended	Date of Seminar / Workshop
1	Dr. Himanshu Joshi	India-Japan Cooperative Science Programme on Non-mammalian Models in Biomedical Research: Current Status and Future Perspectives organised by Nitte University Centre for Science Education and Research, Deralakatte, Mangaluru	5-6 October 2017
2	Mr. Bejoy Philip Thomas	Continued Medical Education on Clinical Research: How to Advance Forward held at Kasturba Medical College & Hospital, Manipal	7 October 2017
3	Dr. Chinju Susan Chacko	CME Programme on Update on Pharmacovigilance conducted by Dept. of Pharmacology, Yenepoya Medical College, Mangaluru	7 October 2017
4	Dr. B C Revanasiddappa	Two days National Seminar on Recent Advances in Drug Design using computational Chemistry Tools-case studies organised by JSS College of Pharmacy, Ooty	4-5 November 2017
5	Mr. Srinivas Hebbar	National Seminar on Recent Trends in Regulatory Affair organised by Srinivas College of Pharmacy, Mangaluru	11 November 2017
6	Dr. Akhilesh Dubey	National Seminar on Recent Trends in Regulatory Affair organised by Srinivas College of Pharmacy, Mangaluru	11 November 2017
7	Dr. Akhilesh Dubey	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal	13-18 November 2017
8	Mr. Ravi G S	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal. He also attended National seminar on Recent Trends in Regulatory Affair organised by Srinivas College of Pharmacy, Mangaluru.	13-18 November 2017
9	Mrs. Rajisha K	International seminar on Herbals and Natural Products for Liver and Pancreatic Disorders held at Al Shifa College of Pharmacy, Kerala	24-25 November 2017
10	Dr. B C Revanasiddappa	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal	20-21 November 2017
11	Dr. Sneha Priya	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal	15-18 November 2017
12	Mr. Srinivas Hebbar	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal	13-18 November 2017
13	Dr. Sneha Priya	International Seminar on Clinical Pharmacy Competencies organised by Dept. of Pharmacy Practice, KVM College of Pharmacy, Kerala	25 August 2017
14	Dr. Pankaj Kumar	Short term training course on Challenges and Strategies for Drug Design and Formulation Development sponsored by AICTE held at Manipal College of Pharmaceutical Sciences, Manipal.	20-22 November 2017
15	Dr. Murali Badhanthadka	Attended two days intensive course in Toxicology at Veterinary College, Bengaluru	25-27 November 2017

DEPARTMENT ACTIVITIES

DEPARTMENT ACTIVITIES RESEARCH/REVIEW PUBLICATIONS/PRESENTATIONS/PAPER REVIEWED

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Paper Presented

- Dr. Jainy P James, Assistant Professor, Department of Pharmaceutical Chemistry, delivered a poster presentation on the paper entitled, "Nanoparticulate Hydrogel incorporated with Mimosa pudica extract: Formulation and characterization" in the 10th international Conference on Biological, Biomedical, Medical and Pharmaceutical Sciences (BBMPS-17) during December 21st-22nd, 2017 at Dubai (UAE). She also presented a poster in the paper entitled, "In Silico Studies and Anti-tubercular Evaluation of some Synthesized coumartin derivative" in the international seminar on Herbs and Natural Products for liver and pancreatic disorders organised by Department of Pharmacognosy & Phytochemistry, Al Shifa College of Pharmacy, Perinthalmanna, during 24th-25th November 2017.
- Dr. B.C. Revannasiddapa, Associate Professor, Department of Pharmaceutical Chemistry, delivered an oral presentation in the paper entitled, "Pyrazolines as Potential antidepressant agents" in two days National seminar on the Recent Advances in Drug Design using Computational Chemistry Tools-Case Studies organised by JSS College of Pharmacy, Ooty, during 4th-5th November 2017.

DEPARTMENT OF PHARMACEUTICS

Paper Presented

- Dr. Anoop Narayanan V, Assistant Professor, Department of Pharmaceutics, delivered a poster presentation on the paper entitled, "Mango Leaf extract reduced silver nanorods elicit anticancer activity on colorectal carcinoma and breast cancer cell lines" in the 6th Asian Biomaterials Congress at Sree Chitra Tirunal Institute of Medical Sciences and Technology, Thiruvananthapuram, during 25th-27th October 2017.
- Mr. Shanon Ben Mascarenhas, Research Scholar, Department of Pharmaceutics, delivered a poster presentation on the paper entitled, "Development and evaluation of chitosan coated liposomes in microspheres of prednisolone for colon targeting" in the 8th Asian Association of Schools of Pharmacy (AASP) Conference held at JSS University, Mysore, during 27th-29th October 2017.
- Ms. Avril Candida Mathias, Research Scholar, Department of Pharmaceutics, delivered a poster presentation in the paper entitled, "A comparative evaluation of Nano Lipid Vesicles of Traditional Drugs and Novel Drugs used to treat Rheumatoid arthritis" in the International Seminar on Advances in Degenerative Diseases and Molecular Interventions (ADDMI) organised by Society for Research and Degenerative Diseases (SODD) held at Hycinth by Sparsa, Thiruvananthapuram, during 23rd-24th November 2017.

Research/ Review Publications

1. Nirmala P, Marina Koland, Narendra C. Systematic Optimization of Formulation of Inclusion Complexes Containing an Anti-Diabetic Drug. *World J Pharm Res*, 2017; 6(3): 916-36.
2. Raghavendra K, Marina Koland. An Investigation on Formulation and Evaluation of Specialized Chronotherapeutic Drug Delivery System of Losartan and Hydrochlorothiazide for the Treatment of

Hypertension. *Saudi J Medical Pharm Sci*, 2017; 3(4): 310-17.

3. Raghavendra K, Marina Koland. An In-Vivo Evaluation of Chronotherapeutic Drug Delivery System for the Treatment of Hypertension. *Saudi J Medical Pharm Sci*, 2017; 3, (6B), 2017, 643-47.
4. Anoop Narayanan V, R. Narayana Charyulu. Pharmacoelectronics and Electropharmaceutics: The Arts and Science of Electronic Drug Delivery. *Res J Pharm Technol*, 2017; 10(10): 3544-48.

DEPARTMENT OF PHARMACY PRACTICE

Paper Presented

- Dr. Uday Venkat Mateti, Assistant professor, Department of Pharmacy Practice, presented a poster in the papers entitled, "Impact of Patient Education on Interdialytic Weight Gain and Blood Pressure in Patients Undergoing Hemodialysis" and "Assessment of chemotherapy induced febrile neutropenia in cancer patients: A prospective observational study in South India" in the 10th Asian Conference on Pharmacoepidemiology at University of Queensland, Brisbane, Australia on 29th October and ESMO Asia 2017 Congress held at Singapore, during 17th-19th November 2017 respectively.

Travel Grant: Dr. Uday Venkat Mateti, Asst. Professor & HOD, Dept. of Pharmacy Practice received the International Travel Grant from Indian Council of Medical Research (ICMR) to participate and present the paper in the ISPE's 10th Asian Conference on Pharmacoepidemiology (ACPE) held from October 29-31, 2017 at the Pharmacy Australia Centre of Excellence, Brisbane, Australia. He also received the Travel Scholarship from the European Society for Medical Oncology (ESMO) to participate and present the paper in the ESMO Asia 2017 Congress held from November 17-19, 2017 at the Suntec Singapore Convention & Exhibition Centre, Singapore.

Research/ Review Publications

1. Shankar Prasad Nagaraju, Sindhura Lakshmi Koulmane Laxminarayana, Srinivas Kosuru, Rajeevalochana Parthasarathy, Ravindra Prabhu Attur, Darshan Rangaswamy, Uday Venkat Mateti, Vasudeva Guddattu. Clinicopathological Characteristics and outcomes of Diffuse Crescentic Glomerulonephritis-A single Centre Experience from Southern India. *Indian J Clinical Diagnostic Res*, 2017; 11(9): 21-24.
2. Gayathri Baburaj, Ansha Mariya Abraham, Lija George, Vijith Shetty, Rovin M. Theempalangad, K.S. Rajesh, K.C. Bharath Raj. A study on utilization and evaluation of antiemetic in Chemotherapy-induced Nausea and vomiting. *Indian J Medical Paediatric Oncology*, 2017; 38(3): 334-39.
3. K.S. Rajesh, B.R. Bharath, C.V. Rao, K.I. Bhat, K.S. Chandrashekhar Bhat, Pritesh Bhat. Neutralization of Naja naja venom induced lethality, edema and myonecrosis by ethanolic root extract of *Coix lacryma-jobi*. *Toxicology Reports*, 2017; 4: 637-45.

DEPARTMENT OF PHARMACOGNOSY

Mrs Rajisha K, Research Scholar, Department of Pharmacognosy, delivered a poster presentation in the paper entitled, "Herbs and Natural Products" in the International seminar on Herbs and Natural Products for liver and pancreatic Disorders held at Al-Shifa College of Pharmacy, Kerala during 24th -25th November 2017.

Dendrimers as a versatile tool for drug delivery applications

Dr. Jobin Jose

Assistant Professor

Department of Pharmaceutics

Dendrimers acclaimed its most fascinating position in the nano world. Dendrimers disclose diverse applications specifically in drug delivery. The ability to control these parameters provides infinite list of possibilities for utilizing dendrimers for nanodevice design. The synthesis of “cascade molecules” such as dendrimers was first established in 1978 by Fritz Vogtle. The first family of dendrimer was synthesized by Donald A. Tomalia. The word “dendrimer” derived from two Greek words, Dendron meaning tree and meros, meaning part. Concurrently, Newkome et al. reported the synthesis of dendrimer like macromolecules and named them as arborols (arbor in Latin also meaning a tree). The dendrimer parts branch out from the central core and appear like a tree. The macromolecular structure builds a sphere of different functional groups that can be modified according to the needs. The peculiar structure of dendrimers can offer privileged environment with versatile chemical properties. The outcomes of the above findings offer the researchers great opportunities for discovering new thoughts in the field of drug development. Early studies in dendrimer chemistry mainly focused on the synthesis of different generations of dendrimers. Therefore, number of dendrimers with different generations and versatile chemical structure has been synthesized.

Dendrimers are three – dimensional, nano-sized man made polymeric macromolecules constructed by various synthetic approaches. Researchers include repetitive branching strategies to build a well – defined, homogenous and radially symmetric molecules with tree like branches or arms. This novel architecture renders them unique in contrast with traditional polymers.

Structure of dendrimers

Usually, dendrimers be composed of

- Central core
- Repeated units or branches
- Terminal functional groups

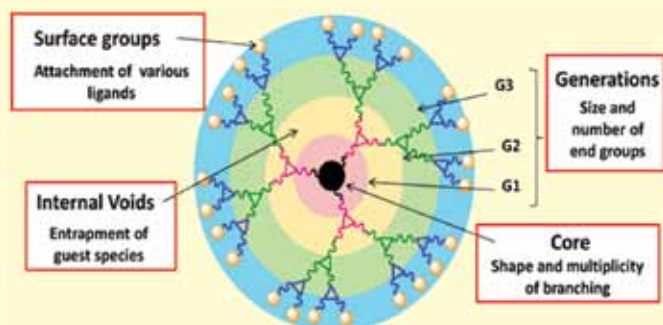


Fig. 1. Structure of dendrimer

Classification of dendrimers

Classifications of dendrimers are based on repeating units and surface functionalities. They are

- Amino Acid-Based Dendrimers
- PAMAM Dendrimers
- Glyco Dendrimers
- Tecto Dendrimers
- Hydrophobic Dendrimers
- Asymmetric Dendrimers
- PPI Dendrimers
- Biodegradable Dendrimers

Strategies for synthesis of dendrimers

The following approaches are involved in the synthesis of dendrimers,

- Divergent Synthesis
- Convergent Synthesis
- Combined Convergent-Divergent Synthesis

Dendrimers in drug delivery

The compact globular shape, distinct structure, monodispersity and controllable terminal functional groups of the dendrimers that is advantageous for various drug delivery applications. Easily controllable size, systematic structural design and large number of internal cavities of dendrimers make them a distinctive class of macromolecule for various biomedical applications such as drugs, DNA, siRNA delivery, and diagnostic probes.

Conclusion

Dendrimers are polymer-based macromolecules formed from monomeric or oligomeric units, such that each layer of branching units doubles or triples the number of peripheral groups. The void area within a dendrimer, the extent of its branching, its ease of modification and preparation, and size control offer great potential for drug delivery. However, dendrimers require further improvements in cytotoxicity profiles, biocompatibility, and biodistribution.

EXHILARATING WORKSHOP FOR PG STUDENTS



PROUD MOMENT FOR NGSMIPS IN IPC 2017



3RD PRIZE IN NATIONAL ELOCUTION COMPETITION 2017
MISS. DANIEL ANILA ROY

ANNUAL SPORTS DAY 2017



Book Post