


### Brief report with Photographs

	Convener Name	: Dr. M. Khadar Bhattacha
	Designation	: Professor and Head
	Department	: Pharmacognosy
	Institute Name & Address	: PSG College of Pharmacy, Peelamedu, Coimbatore-641 004

**1. Title of the Seminar / Conference / Workshop / Symposium etc.:**

One day state level symposium on "Current Trends in Herbal Science"

**2. Duration / Period of the organized event:**

1 Day: September 26<sup>th</sup> 2015

**3. Brief Summary & Report of the Event**

PSG college of Pharmacy, our Dept. of Pharmacognosy successfully conducted a One day state level symposium on "Current Trends in Herbal Science" on September 26<sup>th</sup> 2015. The symposium was provided an inspiring opportunity to learn from the leading experts of herbal medicine. Focal themes of the Conference was to emphasize on blending the concepts of Natural products & Analytical techniques of Phytochemicals, Standardization of crude drugs / formulations, Promoting medicinal plant cultivations, Isolation of bioactive compounds, Ethno botanical survey, Toxicological studies on herbal extracts, Herb drug interactions and Biodiversity

The symposium was inaugurated by Dr. S. P. Dhanabal, Principal, JSS College of Pharmacy, Ooty and delivered a plenary lecture on "Advancements in the standardization of herbal drugs" in view of the stringent regulatory norms imposed by western countries. Dr. M. Ramanathan, Principal, PSG College of Pharmacy presided over the function and delivered the presidential address highlighting the importance of cultivation of herbs and



their utility in disease management. Around 155 participants comprising students, agriculturists, and entrepreneurs participated in the event. Special lectures were delivered by Dr. P. Rajamani, HOD, Dept. of Medicinal and Aromatic Plant Crops, TNAU, Coimbatore on the topic, "Public Private Partnership for Research and Development of Medicinal plants". Dr. M. Jegadeesan, Professor & Head (Rtd.), Dept. Environment & Herbal Science, Faculty of Science, Tamil University, Thanjavur gave a talk on, "Adulteration in Botanicals". Dr. Eswara Iyappan, CEO, Genius Herbs Private Ltd., Madhampatty, Coimbatore gave a lecture on "Emerging Trends in Herbal Exports". A panel discussion was also conducted in the theme of 'Sharing the knowledge of herbal drugs among academicians, farmers, entrepreneurs and exporters' by the above speakers and the event was moderated by Dr. M. Khadar Bhatcha.

#### 4. Photographs Section

##### Inaugural Session



Technical Session Photograph



Technical Session Photograph





Validatory Session Photograph





## Conference on Green Chemistry 30-31 October 2015

The National Conference on the 'Approach of Green Chemistry in Pharma, Chemical and Material Science Sectors' was organized on 30<sup>th</sup> and 31<sup>st</sup> of October, 2015 by PSG College of Pharmacy, Coimbatore and co-sponsored by DST SERB. The main objective of this event is to emphasize the importance of green chemistry in order to reduce the impact of hazardous chemicals on human health and environment. A grant of 1 lakh rupees has been provided by SERB, DST for conducting this conference.

In the 1<sup>st</sup> session on the 'Need for green chemistry approach in chemical sciences', Dr. S. Ponnuswamy pointed out that Green chemistry is considered as an essential piece of a comprehensive program to protect human health and the environment. The 2<sup>nd</sup> session was presented by Dr. P T Perumal, Emeritus Scientist, CLRI on the 'Synthesis of heterocyclic compounds by green chemistry'. He has explained how modified techniques and reaction mechanisms can improve the quality of life and society.

Dr Kabilan had shared his expertise in the topic of Chem-informatics to be adopted in green chemistry. The process of designing newer HITS from millions of databases and the usage of descriptors for validation were explained.

"Alternate solvents in natural product extraction" was handled by Dr. K N Pushpakumari, GM of AVT natural product division. She elaborated on the extraction of natural products for recovering the desired components. After the four scientific sessions, poster presentation was conducted and evaluated.

On the second day, 31<sup>st</sup>, October, 2015, Dr. Kunal Roy from Jadavpur University gave a clear picture on the "QSAR modelling of toxicity of ionic liquids: Green solvents of the future". The major strength of this study lies in the use of simple reproducible descriptors for validating diverse and large data sets and also finding compliance with OECD norms.

Dr. Muthuswamy, in the 6<sup>th</sup> scientific session, has insisted the concept of bio-catalysis and mechano chemistry.

Dr. Sethuraman had discussed on the use of ultrasound techniques for carrying out esterification, hydrolysis, substitution, addition and reduction.

### Student Feedback

A constructive feedback given by the 70 participants was encouraging. The sessions were arranged in such a way that the nature and cleaning of environment is given utmost importance as this is the need of the day. We have witnessed this particular fact from the feedback. Students from all the states in South India have taken part in poster presentations. They said that the usage of alternative solvents other than the hazardous chemicals is brought to lime light and it became their take home message. They were very much impressed with Dr. Sethuraman's speech who discussed well on MORE reactions which are very useful in



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Pyrene





**PSG COLLEGE OF PHARMACY  
DEPARTMENT OF PHARMACEUTICS**

**Title of the Program** : National Level workshop on Nanomaterials  
Characterization techniques

**Chief Guest name** : Dr. Anand Tadas,

**Affiliation** : Product specialist,  
DLS Malvern Aimil Ltd, Bangalore

**Number of participants** : 26

**Organized By** : Department of Pharmaceutics, PSG College of Pharmacy

**Date and venue** : 11.08.2016 - 12.08.2016  
PSG IMSR Library Seminar Hall,  
Peelamedu,  
Coimbatore – 04

**Summary:**

The Dept of Pharmaceutics, PSG college of Pharmacy, Coimbatore hosted a two day **National level Workshop on Nanomaterials Characterization Techniques** on 11<sup>th</sup> and 12<sup>th</sup> August 2016. The workshop was funded in part by The TN Dr MGR medical university, Chennai and co sponsored by PSG institute of advanced studies. The purpose of the workshop was to enlighten the participants about various techniques and advances used in nanomaterials characterization. There were around 26 participants representing various organizations including research scholars, PG students and faculties.

The workshop started with a welcome address by Dr.M.Ramanathan, Principal, PSG college of Pharmacy. He briefly introduced the theme of the workshop . First session of the day was initiated by Dr. Anand Tadas, Product specialist, DLS Malvern Aimil Ltd, Bangalore.who delivered a talk on **Latest Nano characterization techniques and its application**. He explained about the challenges involved in the characterization of nanoparticles. Dr.V.Sankar Professor and Head Dept of Pharmaceutics explained the importance of nanotechnology with his talk on **Nanotechnoogy in formulation development-An overview**. Dr.S.Subramanian Associate





Professor, Dept of Pharmaceutics discussed in detail about various applications of texture analyzer in formulation development in his talk, **Exploring texture analyzer for novel drug delivery research**. After the lunch break, demo session was facilitated by Dr. S Subramanian Associate Professor, Dr.S.M.Habibur Rahman Associate Professor, Mr.Siram Karthik, Research Scholar and Mr K Arjunan Research scholar PSGCP. The participants were allowed to experience the practical applications of texture analyzer and Malvern Particle size analyzer in the research lab of PSGCP.

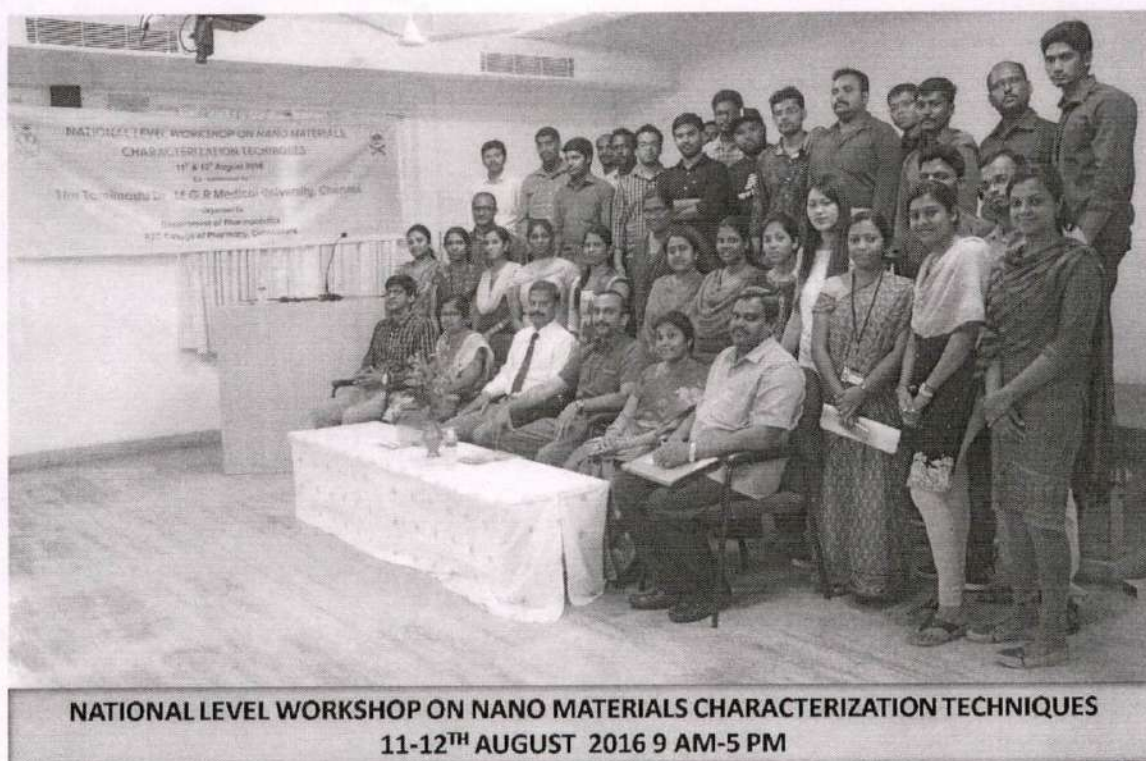
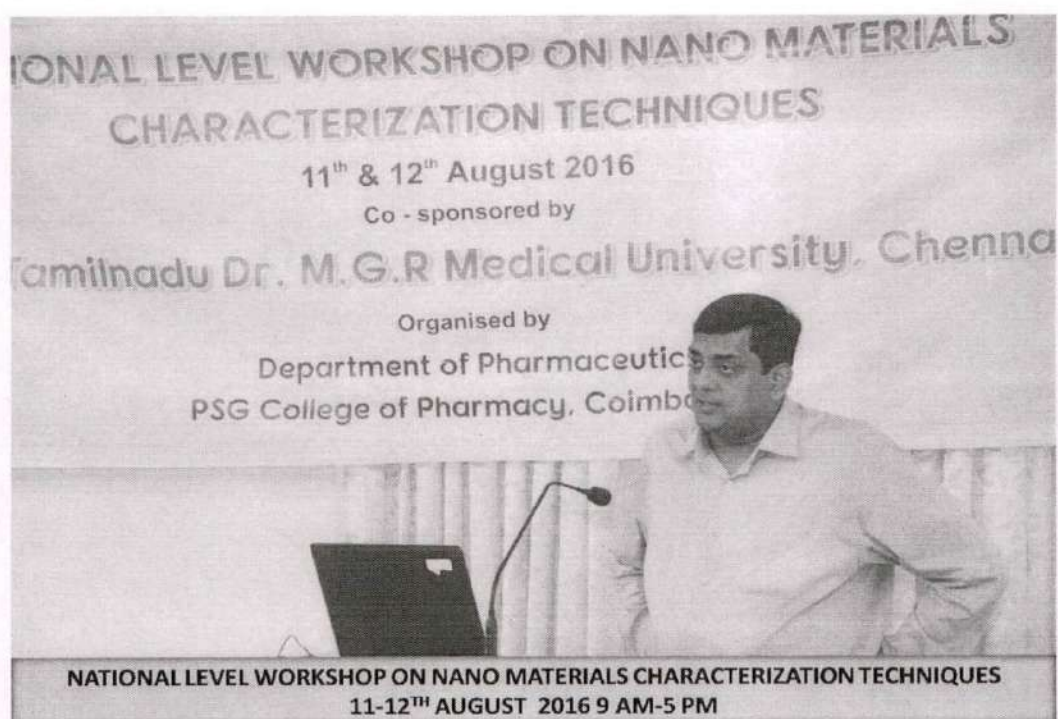
Second day of the workshop started with a talk delivered by Dr Anuradha Ashok, Assistant Professor, PSG institute of advanced studies titled " **Overview of TEM,SEM and DSC in nano characterization**. She also touched upon various technical issues related to nano characterization. Dr.Biji, Assistant professor, PSG institute of advanced studies presented **Research applications of Atomic Force Microscopy** where she stressed the necessity of AFM in nano material characterization. The participants were taken for a quick facility visit around various research labs of PSGCP to highlight the research facilities available in the institution. Post lunch session was organized in PSG Institute of Advanced studies where the demo session was conducted by Dr. Anuradha Ashok and Dr.Biji. Hands on training for various instruments such as thermo analyzer, TEM,SEM,AFM were conducted for the participants.

The valedictory function was presided by Dr. KSG Arulkumaran, Vice Principal, Professor and Head Dept of Pharmaceutics, KMCH College of Pharmacy. E newsletter prepared by Dept of Pharmaceutics PSGCP was released on this occasion. Feedback were collected from participants for incorporating in to future events.

Certificates of participation were then awarded to each of the participants by Mr ArulKumaran,Vice Principal, KMCH college of Pharmacy. Dr.S.Subramanian concluded the session with vote of thanks.







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## PSG College of Pharmacy

### Department of Pharmacy Practice

#### Workshop on Learning and Applying Pharmaceutical care on Basic Life Support

##### Report of CPE January 27-01-2016

Department of pharmacy practice, PSG College of pharmacy, conducted a one day workshop on "Learning and Applying Pharmaceutical care on Basic Life Support" in the Continuing Pharmacy Education program (CPE) accredited by Tamil Nadu Dr. MGR Medical University Chennai on 27<sup>th</sup> January, 2016 for a maximum of 10 credit points in Category 3 at Simulation lab of PSG Hospitals.

Hands on training on Basic Life Support (BLS) conducted by Dr.P.A. Kumar. In this session demonstration was given about BLS. Students were trained in Cardio Pulmonary resuscitation, artificial ventilation and Basic airway support. Simulation based learning module, a video was played on Seizure's its signs& symptoms and first aid for seizure management. Students were asked to answer the queries about seizure.



*P. A. Kumar*






**Event Highlights (Brief report with Photographs)**

(Financial Assistance to Seminar / Symposia)

**SERB Sanction No: SERB Sanction No: SB/SS/29.08.2016**

	Convener Name	: Dr. M. Khadar Bhatcha
	Designation	: Professor and Head
	Department	: Pharmacognosy
	Institute Name & Address	: PSG College of Pharmacy, Peelamedu, Coimbatore-641 004

**1. Title of the Seminar / Conference / Workshop / Symposium etc.:**

Convergence of Technology in Phytopharmaceuticals and its Importance in Trade and Entrepreneurship

**2. Duration / Period of the organized event:**

2 Days: From 11/11/2016 to 12/11/2016

**3. Grant Sanctioned:**

Rs. 75,000/ (Seventy five thousand only)

**4. Have you submitted the Utilization Certificate, Statement of Expenditure & Brief Report till date:**

Yes; sent on 17.08.2017

*(If No, then please submit the scan copies of the same with this report)***5. Brief Summary of the event (In One Page only):**

PSG college of Pharmacy, our Dept. of Pharmacognosy successfully conducted a two days National Conference on **Convergence of Technology in Phytopharmaceuticals and its Importance in Trade and Entrepreneurship**, on 11<sup>th</sup> and 12<sup>th</sup> Nov 2016. This conference was supported by Department of Science and Technology, New Delhi and Indian Council of Medical Sciences and Research, New Delhi along with PSG institutions. The focal theme of the conference was to emphasize on blending the concepts of modern methods in developing medicinal plants into value added products, regulatory aspects, advances in herbal nano formulation and biodiversity of the herbs.

The program was inaugurated by Prof. Dr. R. Manavalan, Professor and Research Director, RVS College of Pharmaceutical Sciences, Coimbatore and presided over by Prof. Dr. M. Ramanathan Principal, PSG College of Pharmacy. The scientific event comprised of eight plenary lectures contributed by eminent personalities from Academia, Industry and research officers from AYUSH, field directors and industrialists working on the development of natural products and its export. Along with this there were thirty five scientific oral and poster presentations contributed from the researchers of various institutions from Tamilnadu and Kerala. Prizes were distributed to the participants for best poster and best oral presentation. The scientific program was followed by panel discussion on Current scenario in pharma industry with Mr. S. Abdul Kadar Director,



Drugs Control, Chennai. The participants remarked during their feedback session that this event will enhance the efforts in finding the best solution for the challenges in the field of phytopharmaceuticals.

#### 6. Event Highlights (Technical writing):

The conference was attended by 177 participants from in and around Tamilnadu.

There were 8 plenary lectures by experts and one Panel Discussion on Current Scenario in Pharmaceutical Industry-An interactive session with Shri. S. Abdul Khader, Drugs Controller, Tamilnadu.

Participants presented their abstracts in the form of 26 poster presentations followed by 6 oral presentations.

Three posters were adjudged for first, second and third prize by a panel of judges and prizes awarded to the students winning the best posters.

As a follow up on the research dissemination, three of the posters were recommended for publication in the International Journal of Pharma Research (IJPR) (ISSN 0975-3532), the official scientific publication of PSG College of Pharmacy. The authors of these posters have submitted their full length articles to the editor and after careful review process and following journal procedures, these three articles were published in the journal.

The topics of presentation included, Over View of Chemical Carcinogens, Antioxidant and antimicrobial activity study on rind of "punica granatam", In-vitro corneal wound healing activity of the Leaves of manilkara zapota van royen in newer herbal drug development, Cultivation of herbs using modern techniques, Cultivation of herbs using modern technology, Entrepreneurship opportunities and challenges, Export of herbs and phytopharmaceuticals, Phytopharmaceuticals from ethno medicinal plant of Western Ghats and Belagavi region, Plant growth strategies of plant tissue culture micropropagation technique, Quantification of plant secondary metabolite, Standardization of active ingredients using advanced instrumentation techniques, Phytochemical screening studies of the ethanolic extract of Turnera subulata and its antibacterial activity, study of diuretic activity of ethanolic extract of psidium guajava leaves in rat, Screening of ziziphus jujube lam. leaf extract for antimicrobial activity, Remedial effect of banana peel extract and its formulation, Evaluation of anti-arthritis activity of Kadambur herbal vatha thailam, Anti - inflammatory and anti-arthritis activity of albizia lebbeck and albizia amara in rats, Study on antipyretic activity of methanolic extract of mollugo cerviana in albino mice and other topics.

Overall, the conference witnessed presentations in isolation, standardisation, formulation, cultivation and export of herbs & value added products and entrepreneurship.

#### Participation Information:

S. No	Participation in the event	Nos. Only
I.	Key-not speakers	08
II.	Senior Scientist	45
III.	Young Scientist	05
IV.	Postgraduate Students	40
V.	Undergraduate Students	51
VI.	Industry persons	03
VII.	Other category (faculty from PSG College of Pharmacy)	25
<b>Total</b>		<b>177</b>



**Photographs Section:** Please paste high resolutions photographs in given spaces below or send the same as attachments, in JPEG format only, by email to [seminar.symposia@serb.gov.in](mailto:seminar.symposia@serb.gov.in).

**1. Inaugural Session**

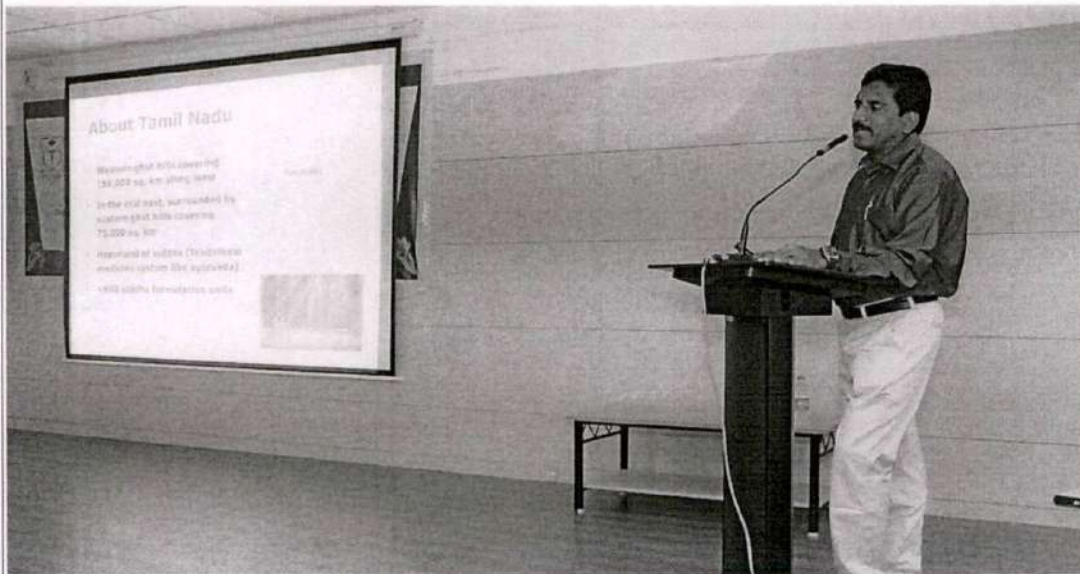




2. General Photograph



### 3. Technical Session Photograph



### 4. Technical Session Photograph



## WORKSHOP ON "ROLE OF PHARMACIST IN CLINICAL RESEARCH"

24<sup>th</sup> and 25<sup>th</sup> June 2016

Sponsored by Novartis Healthcare Private Limited

Venue: PSG College of Pharmacy, Coimbatore

**Day-1:** Target audience: M.Pharm and Pharm.D students

**Speakers:** Mr. Santosh Shevade and Dr. Muthuswamy

Total no. of students participated: 70

An introduction was given on Drug discovery and development by in which the students also interacted well.

Placebo effect on clinical trials was also discussed along with a case study.

Table wise group discussions based on case studies regarding "GCP/GMP /Integrity and compliance fundamentals for the Pharmaceutical industry" were carried out.

Afternoon session mainly focused in developing soft skills.

An interesting activity was carried out among the students to discover their learning styles like being an activist/reflector/ theorist/pragmatist.

Session on "Me, Myself and My future" was carried out to impart the students an idea about how to plan for their future

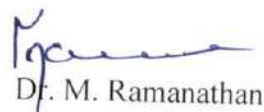
The session winded up with a talk on Novartis

**Day-2:** Target audience: Faculty members

Total no. of faculties participated: 23 including faculties from other institutions.

The similar session on "learning styles" was done among the faculties to discover their own learning styles of being an activist/reflector/ theorist/pragmatist and its significance in applying that concept in a class which consists of students of varied learning abilities.

A group discussion was conducted on the topic "Academics and real world challenges" were each group was made to present a problem in the current curriculum and possible solutions for it.



Dr. M. Ramanathan

Principal, PSG College of Pharmacy

**Dr. M. Ramanathan**, M.Pharm, Ph.D.  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.



**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	: Workshop on clinical drug development
<b>Speakers</b>	Mr Santhosh Shevade
<b>Number of participants</b>	: 64
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 23.03.2017 and 24.03.2017 PSG College of Pharmacy, Coimbatore.
<b>Faculty Coordinators</b>	: Mr G Venkatesh Mr K Ragavan Mr A Tamilselvan Mrs P Aruna

PSG College of Pharmacy and Novartis conducted two day workshop on Clinical Drug Development.

**Day 1:**

In morning session, Mr Santhosh Shevade presented a talk on introduction, types and implications on clinical trials. He also explained about pre-clinical to first-in-human, clinical trial designs, case study on FIH/trial design, clinical trial –science of operations and clinical trial data flow.

In addition he has also demonstrated about investigational new drug (IND) and new drug approval, regulations such as Drugs Control General of India (DCGI), responsibilities, data management and bioethics/ethics.

Following presentation, participants were divided into different groups; handouts and publications related to clinical trials were provided. A one hour interactive session were conducted as a part of workshop to analyze and report the type, design, and outcome of the clinical trials.

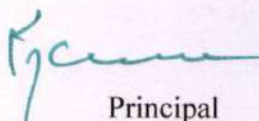


In the afternoon session, Mr Santhosh Shevade workshops were conducted on development and operations of clinical trials by providing handouts and publications. Finally at the end of the day, Mr Ragavan, Assistant professor, PSG College of Pharmacy presented a talk on clinical trials in India.

Day 2:

Mr Santhosh Shevade presented a talk on learning styles and career development. In addition, this workshop also focused on development of soft skills in students.



  
Principal  
Dr. M. Ramanathan

Dr. M. Ramanathan, M.Pharm, Ph.D.  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.



## EVENT PHOTOS



**PSG COLLEGE OF PHARMACY  
DEPARTMENT OF PHARMACEUTICS**

**Title of the Program** : National Conference on Current Perspectives in Novel Drug Delivery Systems

**Chief Guest name** : Dr. N. Ponpandian

**Affiliation** : Professor & Head,  
Dept of Nanoscience & technology,  
Bharathiar University, Coimbatore.

**Number of participants** : 200

**Organized By** : Department of Pharmaceutics, PSG College of Pharmacy

**Date and venue** : 16.07.2017 - 17.07.2017  
PSG IMSR Gallery Hall,  
Peelamedu,  
Coimbatore – 04

**Summary:**

The Dept of Pharmaceutics, PSG College of Pharmacy organized National Conference on “Current Perspectives in Novel Drug Delivery Systems” on 16 th & 17 th June 2017. The conference was funded by Department of Science & technology (DST), Indian Council of Medical research (ICMR) & Indian National Science Academy (INSA).

The chief guest of the inaugural function was Dr. N. Ponpandian Professor & Head, Department of Nanoscience and Technology, Bharathiar University, Coimbatore. Invited lectures spreading over ten individual sessions were delivered by Dr. Sujoy K. Das, Scientist, Biological Materials Laboratory, CSIR-Central Leather Research Institute Chennai, Dr. P.A Hassan, Scientist, Bhabha Atomic Research Centre, Mumbai, Dr. S.Subramanian, Associate Professor, Dept of Pharmaceutics, PSG College of Pharmacy, Dr R.Manikandan, Head R&D, Vice president, Granules India, Hyderabad, Dr Abdul Razack, Research Scientist – II (Group Leader – Deputy Manager) Orchid Healthcare – Chennai, Dr. R. Rajesh, Senior, Manager, Quality R & D, Apotex research pvt Ltd, Bangalore, Dr. D. Sampathkumar, Senior Vice President, Strides

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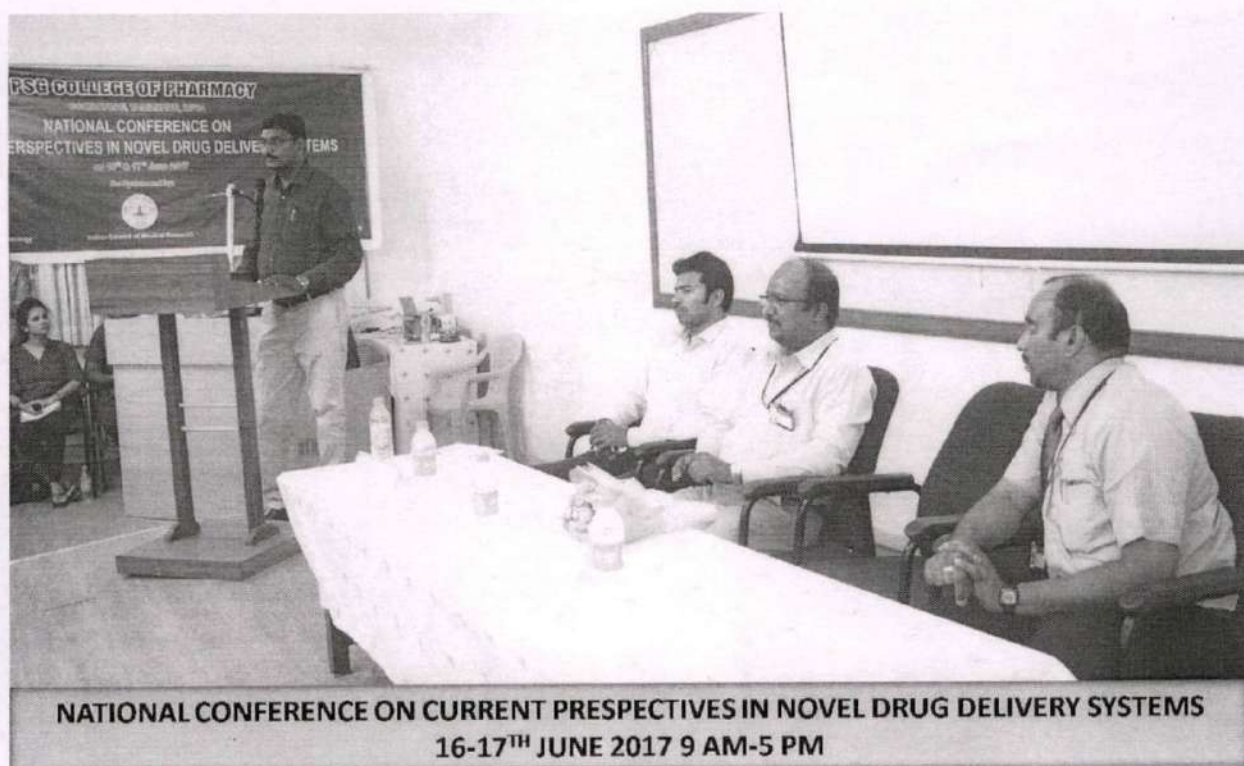




Shasun Pharmaceuticals, Bangalore, Dr. Harihara Subramanian, Head R& D (ROW Market) Caplin Point Laboratories Ltd, Chennai, Dr S.M. Habibur Rahman Associate Professor, PSG College of Pharmacy, Coimbatore.

The conference provides a platform for all pharmaceutical scientists, universities and research institutions to discuss and share about all the important national breakthrough developments in novel drug delivery systems.

The conference witnessed around 200 delegates from various colleges in south India. Around 50 posters and 10 oral sessions were presented by the delegates from various institutions. Best Oral and Posters were selected and awarded. Valedictory address was given by Dr S.Sampathkumar, Senior Vice President, Strides Shashun Ltd, Bangalore.



**NATIONAL CONFERENCE ON CURRENT PERSPECTIVES IN NOVEL DRUG DELIVERY SYSTEMS**  
**16-17<sup>TH</sup> JUNE 2017 9 AM-5 PM**

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National Conference on Current Perspectives in Novel Drug Delivery Systems  
16 th & 17 th Jun 2017 9 am- 5 pm



**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	<b>A Special Lecture cum Hands on Training in Brookefields Viscometer</b>
<b>Visitor's name</b>	<b>Mr.S.Kovendhan, Service Executive, Synergy Techno Support and Solutions LLP, Chennai.</b>
<b>Number of participants</b>	<b>25</b>
<b>Organized by</b>	<b>Department of Pharmaceutics, PSG College of Pharmacy, Coimbatore.</b>
<b>Date and venue</b>	<b>30.01.2017, 1.15pm to 3.15pm / Research lab, Department of Pharmaceutics.</b>

**Summary:**

The main objective of the program is to provide a basic knowledge on theory of viscosity and practical guidance in handling of the viscometers and rheometers.

The session was initiated with the introduction of Mr.S.Kovendhan Service Executive, Synergy Techno Support and Solutions LLP, Chennai by Dr. V.Sankar, HOD, Department of Pharmaceutics. The PG students and research scholars attended the session and were given a basic outline on viscosity and a detailed demonstration on calibration, maintenance, usage of spindles for different types of dosage form of the brookefield's viscometer.



*[Signature]* V. SANKAR



A Special Lecture cum Hands on Training in Brookfields Viscometer held on 30.01.2017



**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	<b>An Interactive Session on Current Industrial Perspectives</b>
<b>Visitor's name</b>	<b>Mrs. Sharmila R, M.Pharm., Sr.Scientist, Novitium labs Pvt Ltd, Chennai.</b>
<b>Number of participants</b>	<b>25</b>
<b>Organized by</b>	<b>Department of Pharmaceutics, PSG College of Pharmacy, Coimbatore.</b>
<b>Date and venue</b>	<b>08.03.2017, 1.00 to 2.00pm / Board Room, PSG College of Pharmacy.</b>

**Summary:**

The main purpose of the session is to create awareness among the students on current industrial perspective and the opportunities in pharma industry.

The session started with welcome address by Dr. V.Sankar, HOD, Department of Pharmaceutics. Mrs R Sharmila, M.Pharm., Sr.Scientist, Novitium Labs Pvt Ltd, Chennai, enlightened the students with her talk on current industrial perspectives and the regulatory aspects in both domestic and international market. The students also interacted about the current opportunities and requirements in pharma industry. The session ended up with the vote of thanks by Dr. G.Syamala, Associate Professor, Department of Pharmacognosy.

V.SANKAR



**PSG COLLEGE OF PHARMACY**  
**DEPARTMENT OF PHARMACY PRACTICE**

**Title of the Program : Achievers Forum**

For the Students, By the Students

**Summary:**

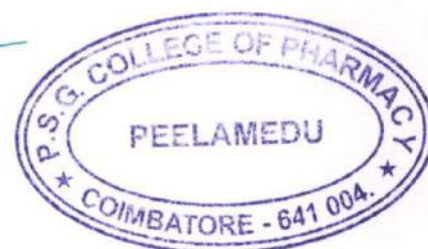
Achievers's Forum: A unique national level student's forum was successfully conducted on 21-04-2017 at PSGIMSR auditorium by the Department of Pharmacy Practice.

The title of the forum was "Student's forum – Pharmacy practice, Current practice & Future perception" – for the students, by the students.

Around 300 PharmD students participated from various colleges from southern region of India. A website for Achiever's Forum ([www.achieverspharmd.com](http://www.achieverspharmd.com)) was launched by the Vth year PharmD students. Three different sessions, namely, Patient counseling, Pharmacist Intervention, Community Pharmacy, were held in which student speakers presented how they currently practiced in their settings, the challenges they faced and their future perception of these practices. Finally a panel discussion was conducted with various government and non-governmental official members and representatives of students.

**Outcome:**

Achievers forum provided a new platform for the pharmD students to interact and gain wider perception regarding the current scenario in pharmacy practice, the obstacles faced and how to overcome these challenges.







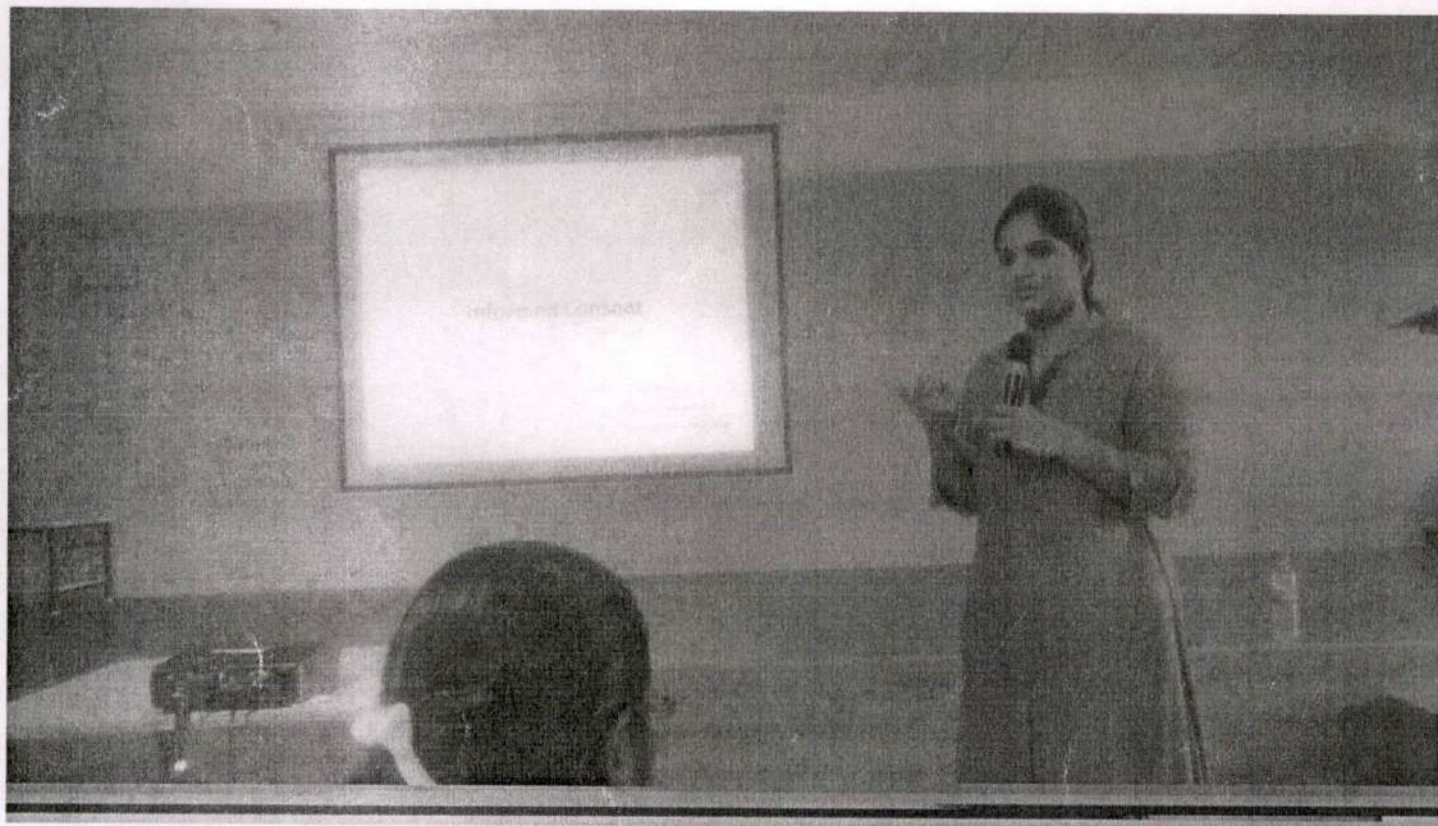
*Prasanna*





## Department of Pharmacy Practice

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**Topic of the session : A Workshop On Research**

- Preparation for ethics- how to apply?
- Identifying the key areas
- How to prepare a research protocol?

**Speakers:** Dr. Subashini .G, Dr. M. Ramanathan, Dr. V. Sankar, Dr. Prudence A. Rodrigues, Dr. V.Sivakumar

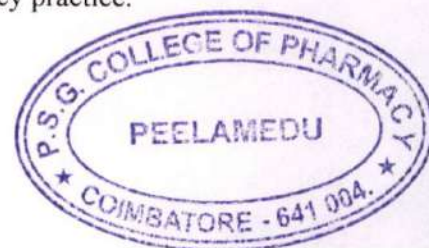
The session started at 9.30AM at PSG Hospitals seminar hall with Dr. Subashini .G, followed by Dr. M. Ramanathan and Dr. V. Sankar till afternoon lunch . Post lunch session was conducted by Dr. Prudence A. Rodrigues, Dr. V.Sivakumar. The workshop ended at 4.00PM. Mpharm students from the department of Pharmacy Practice, Pharmacology and 5th and intern PharmD students attended the workshop. The overall session was interactive.

**Key areas covered during the session:**

- How to fill the IHEC forms
- Requirements of protocol submission
- Importance of consent forms
- Selection of participants
- Preparing oneself for professional competence
- Distant education courses which uplift pharmacy profession

**Outcome of the session:**

- Students were enlightened regarding the importance of IHEC – rules and protocol submission.
- Students got to explore the potential areas of opportunities in the field of pharmacy practice.





**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	: National Conference on IPR and workshop on Hands on training in experimental pharmacology
<b>Speakers</b>	: Dr. M. Ramanathan, Principal, PSG College of Pharmacy. Ms. Priyale Prasad, Aleron Legal Services. Mr. N. Ramanathan, VKA Polymers Pvt. Ltd. Dr .R. Suresh Kumar, CSIR-NCL, Pune. Dr R. Ranjith Kumar.
<b>Number of participants</b>	: 14
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 05.10.2017 to 06.10.2017 PSG College of Pharmacy, Coimbatore.
<b>Faculty Coordinators</b>	: Mr. G. Venkatesh Mr. K. Ragavan Mr. A. Tamilselvan Mrs. P. Aruna

PSG college of Pharmacy in collaboration with VKA Polymers Private Limited conducted a National Conference on intellectual property rights (IPR) and workshop on Hands on training in experimental pharmacology

The main objective of this conference is to enhance the knowledge about intellectual property rights and as well hands on training in experimental pharmacology.

Day1:

In the morning session 1, Ms Priyale Prasad gave a talk on patent filing, trademarks, industrial designs and copy right. In her presentation, she covered various forms of intellectual property with special emphasis on patent filing. She explained about requirements of patentability, matters to be excluded from patentability, utility model, rights of patent holder, obtaining patent protection, trade secrets and the importance of promoting and protecting intellectual property.

In session 2, Mr N Ramanathan, VKA Polymers Pvt Ltd, presented a talk on industry perspective in filing IPR. In session 3, Ms Priyale, had an interactive session with participants on patent filing. Followed by Dr M Ramanathan, Principal, PSG College of Pharmacy gave a presentation on experimental designs in Pharmacology, problems encountered and CPSCEA form filing and ethics in research.

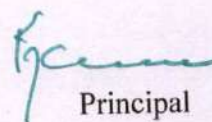


Day 2:

In session 1, Dr Suresh kumar presented a talk on filing patents on new chemical entities. He explained the patents filed by them during past decades nationally and internationally. The session was so informative and he was so interactive with students upon answering the queries.

In session 2 and 3, Dr Ranjith Kumar presented talk on selection of cell culture techniques. He explained the protocols used in growing mammalian cell lines for various research purposes. In addition, he demonstrated step by step procedures for screening the effect of drugs on different cell lines. Followed by, session 3 was opened for queries and Dr Ranjith Kumar clarified all the queries from the participants.

In session 4, there was a training to participants on simulation experiments on pharmacology using computer software. Followed by, the function was ended with valedictory function.



Principal  
Dr M Ramanathan

**Dr. M. Ramanathan, M.Pharm, Ph.D.**  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.



PSG COLLEGE OF PHARMACY  
DEPARTMENT OF PHARMACY PRACTICE

**Title of the program:**

“Students Forum – Pharmacy Practice, Current Practice and Future Practice

**Summary:**

The objective of the program is to understand the professional capabilities of Pharm. D program and its success, implementation and execution in the field of pharmacy practice. It will also be a platform to discuss and understand the perspectives of students and professionals. In order to provide a unique and equal platform for the students in the field of Pharmacy Practice have planned to conduct a pre meet-up for future deliberations on the proceedings for the forum. This pre meet-up will be held on the 24<sup>th</sup> of February 2018. A significant aspect in regard of this forum is to subtly inculcate all the characteristics required for a competent professional through simple sharing and constructive debating.

The pre meet up took place at the PSG college of Pharmacy on the 24<sup>th</sup> of February 2018 discussed the procedures that will be adopted to conduct the forum in the month of June 2018. This meeting was attended by 7 other colleges and the issues deliberated upon helped us in understanding and reaching a conclusion as to what is to happen on the day of the forum. The colleges that attended the meeting were

- 1) JSS college of Pharmacy, Ooty
- 2) JKKN college of Pharmacy, Erode
- 3) KMCH college of Pharmacy, Coimbatore
- 4) Vinayaka Missions college of Pharmacy, Salem
- 5) C.L.Baid college of Pharmacy, Chennai
- 6) Annamalai college of Pharmacy, Chennai
- 7) RVS college of Pharmacy, Coimbatore.

The members who took part in the pre meet-up gave in their valuable inputs regarding different aspects that were needed to be resolved for identifying key areas for the conduction of the forum.

The Students forum was conducted on 22<sup>nd</sup> June, 2018, organized by Department of Pharmacy Practice, PSG college of Pharmacy. Students from various colleges participated in the forum.  
The topics discussed in the forum includes

Roles and Responsibilities of a Clinical Pharmacist, presented by PSG College of Pharmacy, Coimbatore, Tamil Nadu and Al Shifa College Of Pharmacy, Kizhattor, Kerala.





Dr.Megha, Clinical pharmacist, PSG Hospitals, Coimbatore. They discussed about the Responsibilities of a Clinical Pharmacist while working in a hospital. They also discussed the hurdles faced by them during their ward rounds & solutions to overcome them

Pharmacist–Patient Relationship, Medication History Interview, Patient Education, Pharmacist Discharge Plan, presented by C.L Baid Mehta College of Pharmacy, Chennai and J.KK.N College of Pharmacy, Namakkal, Tamil Nadu. Dr.Aashique Ahmed, Clinical pharmacist, PSG Hospitals, delivered a talk on Medication History Interview & Pharmacist discharge plan with respect to cardiology patients. He also emphasized the importance of taking medication history to avoid errors and educating the upcoming clinical pharmacists

Pharmacist-Drug Relationship, Drug dosing and handling of drugs, presented by: Dr.Faizal, Head, Department of clinical pharmacy, Aster Mims, Kerala. He stated the importance of individualizing the dosage regimen. Problem based learning session was conducted by Dr. Faizal with respect to dosing calculations in patients

Antibiotic stewardship, presented by Dr.Vrinda, Clinical pharmacist, AIIMS, kochi,Kerala, Amrita College of Pharmacy. She delivered a talk on the importance of antibiotic resistance and the process involved in antibiotic stewardship program. She also gave the resistance of antibiotics over the years and the importance of taking the full course of antibiotics

Pharmacist- Pharmacotherapy Management Tailoring of drug regimen. Reporting, Monitoring and Follow up of Adverse Drug Reactions, medication errors and drug interactions presented by Dr.Grace Mary John, Clinical Pharmacist, Believers Church Medical Hospital, Thiruvalla, Kerala. She emphasized the importance of Adverse Drug Reaction monitoring and the reporting it. She also delivered a talk on managing the patients therapeutically and the responsibility of pharmacist in tailoring the regimen.

Lunch was provided, tea break was given in between the sessions

#### **Outcomes of the forum:**

Students got to explore the potential areas of opportunities in the clinical setting, had a good clarity about the scope and opportunities of clinical pharmacists. They also understood the importance of ADR, medication error monitoring and their reporting and the responsibilities of clinical pharmacist like medication history interview, educating the patient, pharmacist role in discharge plan.





Date: 10<sup>th</sup> February 2018

**PSG College of Pharmacy**  
**Department of Pharmacy practice**



A Workshop On Clinical Pharmacokinetics by Dr. Subramanian Phd, Senior Investigator, Novartis Healthcare Private Limited at 9.00AM at PSG Hospitals seminar hall .Mpharm( Pharmacology, Pharmacy Practice) students and 4th,5th and intern PharmD students attended the workshop .

**Key areas covered during the session:**

- Change in physiology pharmacokinetics and their impact in clinical trials in special populations including Hepatic failure, Renal failure and in Paediatric populations.
- Adjustment of dosages for trial participants with altered pharmacokinetics..
- Basic problems expected during the approval process of drug molecule.
- Problem based approach for dose escalation during clinical trials.

**Outcome of the session:**

- Students got to explore the potential areas of opportunities in the field of clinical trials.
- Insights into pharmacokinetic knowledge and its variability in trials.
- A practical approach in handling patient population and investigational molecule management was explored.

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**REPORT ON HANDS ON TRAINING ON MATERIAL SCIENCE SUITE  
SIMULATION TECHNOLOGY IN PHARMACEUTICAL FORMULATION  
DEVELOPMENT**

**Title of the Program** : Hands On Training On Material Science Suite  
Simulation Technology in Pharmaceutical Formulation  
Development.

**Number of participants** : 35

**Organized By** : Department of Pharmaceutics, PSG College of  
Pharmacy

**Date** : 1.03.2019 - 02.03.2019

The Dept of Pharmaceutics, PSG college of Pharmacy, Coimbatore organized a two days Workshop on **Hands on Training on Material Science Suite Simulation technology in Pharmaceutical Formulation Development** on 1<sup>st</sup> and 2<sup>nd</sup> March 2019. The aim of the workshop was to provide a platform for all faculty, research scientists, research scholars, to understand how knowledge of computer simulation provide insight into molecular-level behaviour and interactions between drugs and excipients. The first day of the workshop started with a welcome address by Dr.V.Sankar, Professor & Head, Dept of Pharmaceutics, PSG College of Pharmacy, Coimbatore. The opening ceremony was presided by Dr M. Ramanathan, Principal, PSG College of Pharmacy, Coimbatore, who introduced the theme of the workshop to the delegates. Throughout the course of the two days workshop, participants had an opportunity to get theoretical lectures and hands on session/training in maestro Material Science software from Schrodinger experts. The valedictory function was presided by Dr. M. Ramanathan, Principal, PSG College of Pharmacy. Certificates were issued to the participants and feedback was collected. Mr S.Karthikeyan, Assistant Professor, PSG College of Pharmacy, Coimbatore concluded the session with vote of thanks.

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*U. SANKAR*





Photos



Hands On Training On Material Science Suite Simulation Technology in Pharmaceutical Formulation Development, 01.03.2019 - 02.03.2019



Hands On Training On Material Science Suite Simulation Technology in Pharmaceutical Formulation Development, 01.03.2019 - 02.03.2019

*P. S. G.*



## National level Conference on

### **“Biosensors: A Pharmaceutical Perspective”**

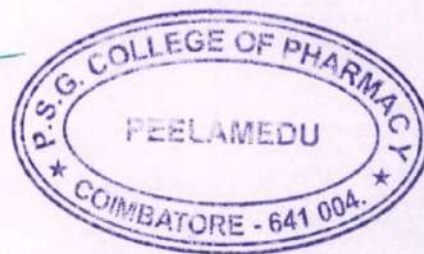
The department of Pharmaceutical Chemistry conducted a 2 day National level conference on Biosensors: A Pharmaceutical Perspective on the 27<sup>th</sup> of April 2018 at the Seminar Hall, PSG Hospitals.

Biosensors are going to play an important role in future and many stellar advances with great potential of application to the medical and pharmaceutical have been made in the field.

With this in mind, the Department of Chemistry held a conference on this topic. Dr Subbiah Alwarappan, Senior Scientist, CSIR-Karaikudi was the invited Chief Guest of the conference. Other speakers with latest research in the field also spoke at the conference and interacted with the students.

A total of 58 delegates attended the conference. A poster and presentation session was also held for the students.

The feedback received was overwhelmingly positive.







One Day Intensive, Hands-on Workshop on  
**“Fundamentals of High Performance Liquid Chromatography”**  
**(HPLC)**

Organized By Department Of Pharmaceutical Analysis

01/02/2018

PSG College of Pharmacy, Coimbatore

**REPORT**

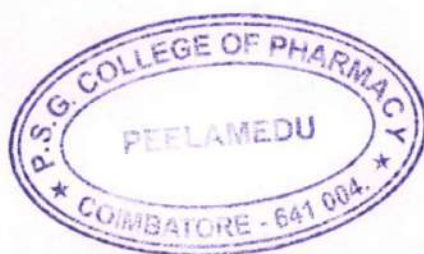
HPLC is the most extensively used instrumentation in the Pharmaceutical industry today. HPLC is a potent analytical tool for the analysis of drugs allowing for the separation, identification, and quantification of drug substances. In the Pharma industry, HPLC is used especially in the R&D, QA/QC, Impurity Profiling, and Stability Studies.

The hands-on training will offer participants the opportunity to learn about the working of the instruments and steps involved in the validation of analytical results.

Department of Pharmaceutical Analysis, organized a one-day Hands-on Workshop on **Fundamentals of High-Performance Liquid Chromatography (HPLC)** on **01/02/2018** at PSG College of Pharmacy. The workshop aims to give exposure to young researchers to know basics of HPLC instrument, its working & researchers to know basics of HPLC instrument, its working & applications. Total Fifty Nine (59) students from IV B.Pharmacy PSG College of Pharmacy have actively participated in this event.

On the inaugural function, **Dr. S. Malathi Associate Professor**, department Pharmaceutical analysis delivered a welcome speech and inaugurated the workshop.

The resource person **Mr. Silambarasan Application Specialist, SPINCO BIOTECH, Chennai** has given a presentation on HPLC history, principles, classification, and the theory of separation mechanism, modes, HPLC scope, and modules and took the responsibility of training the participants on HPLC.



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The workshop has been divided into two sessions.

Session I- Bench work on HPLC instrument which includes

- Basics of the instrument
- Stationary phase
- Mobile Phase preparation
- Basic maintenance of HPLC, Calibration

*Kyana*



#### Session II-Live demonstration of the experiments

- Baseline stabilization
- Optimization
- Standard(Caffeine )Preparation
- Method Development
- Troubleshooting process for problems like pressure, Peak shape, retention issues, validation
- Data interpretation with real data
- Practical applications in the industry

During the interactive session resource person answered many queries raised by the participants.

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The informative workshop culminated with a vote of thanks proposed by Dr. S. Malathi Associate Professor Department of pharmaceutical analysis and participants expressed their gratitude to department of pharmaceutical analysis and PSG College of pharmacy, Coimbatore for organizing the workshop.

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**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	: Workshop on Biological testing of crude drugs.
<b>Trainers and speakers</b>	: Dr C Jaikanth Dr S Divakar Dr G Syamala Mrs P Aruna Mr N Manikandan Mr Abdul Khayum
<b>Number of participants</b>	: 53
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 12.12.2018 PSG College of Pharmacy, Coimbatore.
<b>Faculty Coordinators</b>	: Dr G Syamala Dr C Jaikanth

PSG college of Pharmacy conducted a one day workshop on biological testing of crude drugs. The main objective of this workshop is to enhance the knowledge of testing of crude drugs in cell lines and animal models to the participants from the background of Botany.

In an order to evaluate the biological activity of the drugs in animals, in India it is essential to adhere with guidelines such as Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA). Mrs. Aruna, Assistant professor, PSG college of Pharmacy presented a talk on CPCSEA guidelines on animal testing and institutional animal ethics. Selection of animals, testing of drugs and identification of suitable dose for extrapolation and advances in the discovery of small drug designing is important in animal testing. Mr Abdul Khayum, demonstrated about common laboratory animals used for testing crude drugs, in addition he has also explained various blood withdrawal and drug administration techniques. Followed by Dr C Jaikanth, Associate Professor, and Dr S Divakar, Assistant professor, presented a talk on *in vitro* and *in vivo* screening of crude drugs, where they explained various drug screening methods using cell lines and animal models to the participants.

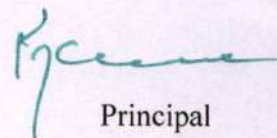
In the afternoon session, Dr G Syamala, Assistant Professor of Pharmacognosy demonstrated on analytical techniques to determine the phytochemical composition of crude drugs and handling and use of high performance thin layer chromatography located at the HPTLC facility of Pharmacology Laboratory. Followed by, participants were taken a tour to the molecular pharmacology laboratory, Dr S Divakar demonstrated about the equipments displayed such as





RT-PCR, CO<sub>2</sub> incubators and biological safety cabinet. Mr Manikandan demonstrated lively with animals on blood withdrawal and drug administration techniques.

Finally the workshop was completed with a vote of thanks by Dr G Syamala, Associate Professor, Dept. of Pharmacognosy, PSG College of Pharmacy.



Principal

Dr. M. Ramanathan

**Dr. M. Ramanathan, M.Pharm, Ph.D.**  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.

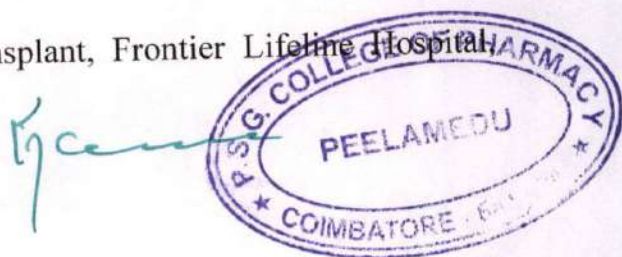
### National seminar Summary Report

The two days national seminar organised by Department of Pharmacology, PSG College of Pharmacy, Coimbatore on titled "National seminar on future aspects of pharmacotherapeutic approaches in disease management on 5<sup>th</sup> & 6<sup>th</sup> October 2018. Over 300 delegates represented more than ten Pharmacy colleges, Arts and science colleges and Industrial representatives registered at the National Seminar.

On Day 1, 5 October 2018 - The seminar commenced with a welcome address by the organising secretary Dr. G Venkatesh. The conference was grandly inaugurated by lighting the kuthuvizhaku by our Chief guest Dr. K. Elango Farmer Principal, JSS college of Pharmacy, Ootacamund and our guest of honor Mr. Kamaraj Mani, Assistant Director, Dabur Research Foundation, Ghaziabad.. The program was further led with presidential address given by Dr. M. Ramanathan, Principal, PSG College of Pharmacy.

Following the presidential address the scientific session of the seminar began. In the scientific Session I: Speaker Dr. V. Muthusamy, Clinical Scientific Expert II, Novartis Healthcare Pvt. Ltd. Hyderabad; delivered a speech on the topic "bio-therapeutic- a new era of drug development?" and focussed on the new emerging drugs and their importance in biotherapeutics followed by Dr. Sridhar narayanan, Director, Foundation for Neglected Disease Research, Bangalore; who summarized on the topic "bio-similars: the Indian scenario" which had major attention on the Indian pharma industries and their therapeutic approaches through biosimilars.

Scientific Session II commenced with the speaker Dr. Anantharaman, Lead Cardiologist for Stem Cell Therapy/ Heart Transplant, Frontier Lifeline Hospital



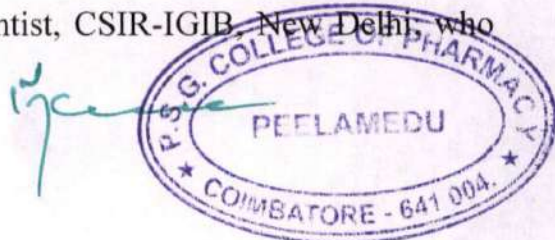


Chennai; who emphasized on the topic “stem cell therapy: cardiac applications” that had a great cardio-therapeutic knowledge through stem cell therapy and its recent trends.

Scientific session III engaged by Dr.Micheal Antonysamy, Associate Professor, Department of Microbiology, PSG College of Arts & Sciences, Coimbatore; delivered a speech on “immunotherapeutics using chicken egg yolk antibodies (IgY)” who elaborated on his various projects and patents that included egg yolk antibodies as antibiotics, anti-venom etc., followed by Dr. Ramesh Subbarayan, Lead Scientist, Syngene International Ltd, Bangalore; delivered a speech on “cancer immunotherapy: approaches and advancements” which was oriented to the basics and newer disease management in immunotherapy.

Post-lunch, the scientific session IV was convened by speakers Mr.Kamaraj Mani, Assistant Director, Dabur Research Foundation, Ghaziabad; who elaborated the topic on “Phytotherapeutics with promising perspective in the field of drug discovery” giving a brief and clear account on Phytotherapeutics and their role in drug discovery right from initial to final stage. followed by Dr.Parimelazhagan, Professor, Department of Botany, Bharathiar University, Coimbatore; spoke on “Medicinal plants and their curative properties”. He gave numerous examples of medicinal plants along with their curative properties in disease management. After a break session continued with oral presentations by research scholars from various institutes with this session closed up in the first day national seminar.

On 6<sup>th</sup> October 2018, Day 2 scientific session V commenced at 9:30am with the speaker Dr.Sivaprakash Ramalingam, Senior Scientist, CSIR-IGIB, New Delhi, who





familiarised us with the topic "Targeted genome-editing in pluripotent stem cells using gene-editing nucleases" it a new experience in the field of genome editing using enzymes. Session V Continued with Dr. B. N. Srikumar, Assistant Professor, NIMHANS, Bangalore. who covered the topic "Capitalizing on synaptic plasticity in depression to discover novel antidepressants". He made us to perceive more about anti-depressants & NMDA receptors.

After a short tea break the scientific session VI progressed with Dr.Sundaram Ramachandran, Head - Analytical Development, R&D, The Himalaya Drug Company, Bangaluru; spoke on the topic"Current trends in natural products development". He provided us new information on various activities related to medicinal plants in poly-herb combinations, their emergence in molecular biology and High-Throughput Screening of herbal extract targets. Following by Dr. M. Pradeep Kumar, Consultant Geneticist,

Geneomm Medical centre, Coimbatore; dlivered his speech on the topic "Application of genetics in medical practice" and enlightening us on the core basics of genetics disorders and their effective management. The last speaker of the session Dr.Govindasamy Kumaramanickavel, Research Director, Narayana Nethralaya, Bangalore; summarized on the topic "Pharmacogenomics and personalised medicine" He expressed the seriousness and impact of pharmacokinetics and pharmacodynamics in the field of drug discovery.

Followed by lunch, validitory function was commenced, the chief gust of the valedictory function was Dr.Sundaram Ramachandran, Head - Analytical Development, R&D, The Himalaya Drug Company, Bangaluru, and the function was





presided by Dr. M. Ramanathan, Principal, PSG College of Pharmacy, Coimbatore. Followed by scientific report, feed back from delegates, prize distribution for oral and poster winners and vote of thanks were continued. Finally, National seminar came to end with high tea.



A handwritten signature in green ink, appearing to be "R. Ramanathan", written in a cursive style.

# PSG College of Pharmacy

Coimbatore-641 004



## PROGRAM REPORT

<b>Title of the Program :</b>	<u>Zonal Centre Program (Five day workshops) on:</u> 1. Drug Discovery Designing and Development 2. Artificial Intelligence in Health care Organized by <u>Make intern, New Delhi</u> in association with <u>IIT Madras</u> (later changed to IIT Hyderabad).
<b>Visitor's name</b>	: 1. Mr. Jiteesh ( Drug Discovery Designing and Development) 2. Mrs. Maneesha (Artificial Intelligence in Health care)
<b>Number of participants</b>	: Total: 58 1. Drug Discovery Designing and Development-30 2. Artificial Intelligence in health care-28
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 03.06.2019-07.06.2019(Five days) PSG College of Pharmacy, Coimbatore.
<b>Faculty Co-ordinaters</b>	: M. Nithyananth, Asst. Prof, Department of Pharmaceutics. Dr. P. Rama, Asst. Prof, Department of Pharmacy Practice.

### Summary:

PSG college of Pharmacy hosted two workshops initiated by Make intern, New Delhi in association with IIT Madras (later IIT, Hyderabad). Two programs namely,

1. Drug Discovery Designing and Development
2. Artificial Intelligence in Health care.

The main objective of the program is to provide a basic knowledge and hands on training on Drug Discovery Designing and Development and Artificial Intelligence in Health care. The session was initiated with the introduction of Mr. Jiteesh Head, InsightBio-IT Solutions, Mumbai and Mrs. Maneesha, Data Analytical Expert.. There were 58 participants comprising of PG





Students of M.pharm and UG students of B.pharm, Pharm D attended the five day workshop in PSG College of pharmacy campus.

### **Workshop 1: Drug Discovery, design and Development.**

This workshop was conducted by Mr. Jitesh. The participants were given overview of drug discovery methodology and basic hands-on experience with various basic tools that are used routinely in discovery process.

### **Workshop 2: Artificial intelligence in Healthcare**

This workshop was conducted by Mr. Manessha. The participants were given basic outline of artificial intelligence works followed by hands on application to latest tools that are relevant to clinical practice..

### **Outcome of the programs:**

At the end of the both workshops, the participants were asked to develop a project and present their ideas. Based on merit, the best presentation were selected and certified and they were invited to present their ideas in WETLAB championship in IIT Madras.

Following the five day Make Intern workshop (June 3<sup>rd</sup> -7<sup>th</sup>, 2019) on “**Drug Discovery, Design and Development**” and “**Artificial Intelligence in Healthcare**” at PSG college of pharmacy, Coimbatore. The meritorious students of the program were invited to participate in **Finale of Wet Lab Championship** organized by Make intern, New Delhi (in collaboration with IIT, Hyderabad) on 12<sup>th</sup> Oct 2019 at Indian Institute of Technology, Hyderabad Representing as a team of

1. Joseph Noel Jacob (PharmD intern)
2. Dharani (PharmD intern)
3. Janani (PharmD intern)
4. Surjith (IV Bpharm)
5. Ventakachalam (IV Bpharm)

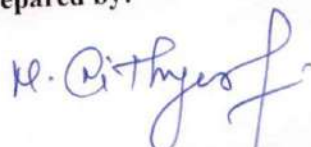
Presented a talk titled “**Application of Artificial Intelligence in Pharma and Chemistry**” before the panel of eminent scientists and entrepreneurs. The team put forward an idea of introducing Artificial intelligence in patient counselling and their role in improving the patient care.

Another team of


1. Karthick Aravind (1<sup>st</sup> M.pharm (Pharmacology)
2. Gifty Julia (IV Bpharm)
3. Vignesh (B.pharm)

Presented a talk titled “**Novel SMART Therapy in Cancer Management**” before the panel of eminent scientists and entrepreneurs. The team highlighted the necessity of using novel therapy targeting the cancer cells using the bacteria induced apoptosis.

Prepared by:

  
(M. NITHYANANTH)

Approved By:

  
Dr. M. Ramanathan, M.Pharm, Ph.D.  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.

STUDENTS INVITED TO PRESENTED IN 12 TH OCT 201912 AT IIT, HYDERABAD





## EVENT PHOTOS



**WINNERS OF THE BEST PROJECT PRESENTATION.**





**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	: One day workshop on Biological Era, The known and unknown How Pharmacist to Equip?
<b>Speakers</b>	: Dr. V. S. Muthusamy Dr. G. Subramanian
<b>Number of participants</b>	: 100
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 17.08.2019 PSG College of Pharmacy, Coimbatore.
<b>Faculty Coordinators</b>	: Dr. C. Jaikanth Mr. A. Tamilselvan Mrs. Aruna P Dr. D. Karthik

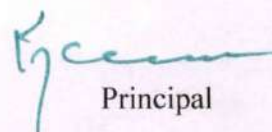
PSG college of Pharmacy hosted a one day workshop on Biologics Era: The Known and Unknown – How Pharmacists to Equip?

The main objective of the program is to address the gap between academia and industry in the field of immunotherapeutic(s) and biological products with special emphasis on autoimmune/oncology disorders. The expertise from national and international levels demonstrated the use of biological products in treating various oncology and auto- immune disorders.

In the morning session, Dr Muthusamy has demonstrated the evolution of biological products with special emphasis on bio-similars. He also explained the significance of bio-similars in treating oncology and auto-immune disorders.

Dr. G. Subramanian is a strong expertise in bio-similars and he has explained the use of using novel immunotherapeutic agents against rheumatoid arthritis (RA) and psoriasis

In the afternoon session, Dr Muthusamy was explaining the market scenario of biologics in India and worldwide. At the end of the program, as a part of the workshop, a two hour interaction session was conducted and the participants were provided with case studies (publications) on biological products tested in patients for various cancer and auto-immune disorders.

  
Principal

Dr. M. Ramanathan

**Dr. M. Ramanathan, M.Pharm, Ph.D.**  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.

EVENT PHOTOS





**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

**Title of the Program** A Special Demo on Training of Tablet hardness testing instrument

**Visitor's name** Mr. Rintto, Application Specialist, ERWEKA INDIA PVT. LTD

**Number of participants** 9

**Organized by** Department of Pharmaceutics, PSG College of Pharmacy, Coimbatore.

**Date and venue** 16.09.2019, 9 am to 11 am / Research lab, Department of Pharmaceutics.

**Summary**

- The main objective of the program is to provide a basic knowledge about the TBH 125 Hardness tester instrument, usage and working guidance.
- The session was initiated with the introduction of Mr. Rintto, Application Specialist, ERWEKA INDIA PVT. LTD by Dr. V. Sankar, HOD, Department of Pharmaceutics.
- The teaching staffs, research scholars and Lab technicians were attended the session and given a basic outline on Thickness, Diameter and Hardness of the tablet and a detailed demonstration on Hardness tester instrument.



*[Signature]* V. Sankar



**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
**EQUIPMENT DEMO & TRAINING DETAILS**


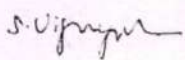

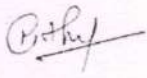
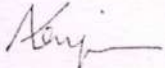
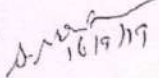
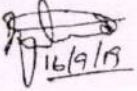
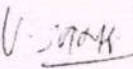
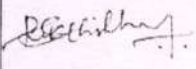
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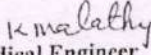
: PHARMACEUTICS

DATE & TIME

: 16-Sep-2019

NAME OF THE PROGRAM: TBH 125 HARDNESS NAME OF COMPANY: ERWEKA INDIA PVT. LTD.  
TESTER DEMO

S.NO	NAME & DESIGNATION	SIGNATURE	S.NO	NAME & DESIGNATION	SIGNATURE
1.	S. KARTHIKEYAN ASST. PROFESSOR				
2.	S. VIJAYALAKSHMI ASST. PROFESSOR				
3.	R. NITHYA Asst. profesa				
4.	Nithyananth Asst Prof.				
5.	Aijun karuppaiah Research scholar				
6.	DR. S. SUBRAMANIAN professor	 16/9/19			
7.	P. Arjun Kumar Assist Profes	 16/9/19			
8.	DR V. JAYAKRISHNAN Viceprincipal	 16/9/19			
9.	P. Sathishkumar Asst. Prof.				

  
K. Malathy  
Sr. Biomedical Engineer





# PSG College of Pharmacy

Coimbatore-641 004



## PROGRAM REPORT

<b>Title of the Program</b>	A Special Lecture cum Demo on Training of DSC instrumentation
<b>Visitor's name</b>	Mr. Pradik Deshmukh, Application Specialist, METTLER Toledo
<b>Number of participants</b>	8
<b>Organized by</b>	Department of Pharmaceutics, PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	18.09.2019, 9 am to 11 am / Research lab, Department of Pharmaceutics.

### Summary

- The main objective of the program is to provide a basic knowledge about the DSC instrument, usage and working guidance.
- The session was initiated with the introduction of Mr.S Pradik Deshmukh, Application Specialist, METTLER Toledo by Dr. V.Sankar, HOD, Department of Pharmaceutics.
- The teaching staffs and research scholars were attended the session and given a basic outline on compatibility of ingredients in pharmaceutical formulations, crystallinity, polymorphism, class transition and a detailed demonstration on sample preparation, method development and software handling.

*V. Sankar*  
*[Signature]*





**DEPARTMENT OF BIOMEDICAL ENGINEERING  
EQUIPMENT DEMO & TRAINING DETAILS**

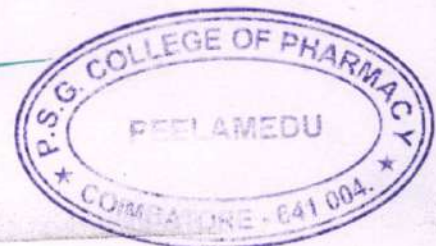
DEPARTMENT : Pharmaceutics      DATE & TIME : 18/9/19

NAME OF THE PROGRAM: DSC - Demo      NAME OF COMPANY: PSC College of Pharmacy  
Application Specialist Mr. Pradip Desmukh

S.NO	NAME & DESIGNATION	SIGNATURE	S.NO	NAME & DESIGNATION	SIGNATURE
1.	R. Nithya. Asst. professor	Nithya			
2.	C. Vairamohan Asst. Prof	C. Vairamohan			
3.	S. KARTHIKEYAN Assistant Professor	S. KARTHIKEYAN			
4.	Anjun karanappa Research Scholar	Anjun karanappa			
5.	DR. S. SUBRAMANIAN PROFESSOR	DR. S. SUBRAMANIAN			
6.	H. Nithyananth Asst. Prof	H. Nithyananth			
7.	Ms. S. Vijayalakshmi Asst. Prof	Ms. S. Vijayalakshmi			
8.	SAKTHIBALAN Asst. Prof	SAKTHIBALAN			

K. Nithya  
Sr. Biomedical Engineer

Pradip Desmukh





**PSG College of Pharmacy**  
**Coimbatore-641 004**



**PROGRAM REPORT**

<b>Title of the Program</b>	: Hands on training and Workshop on "Computer Aided Molecular Modelling and Dynamics"
<b>Speakers</b>	: Mr Vinod Devaraji, Application Scientist, Schrodinger Inc, Bengaluru.
<b>Number of participants</b>	: 30.10.2019 to 31.10.2019
<b>Organized by</b>	: PSG College of Pharmacy, Coimbatore.
<b>Date and venue</b>	: 17.08.2019 PSG College of Pharmacy, Coimbatore.
<b>Faculty Coordinators</b>	: Dr. C. Jaikanth Mr. A. Tamilselvan Mrs. Aruna P Dr. D. Karthik

PSG college of Pharmacy in collaboration with Schrodinger Inc., Bengaluru, hosted two day hands on training and Workshop on "Computer Aided Molecular Modelling and Dynamics.

The main objective of this workshop is to train students on advanced virtual screening methods, lead optimization, ligand based drug discovery method and application of molecular dynamics in drug discovery.

**Day 1:**

In morning session, Mr Vinod Devaraji presented a talk on computational methods and advances in the discovery of small drug designing, where he emphasized the use of virtual screening for large library of compounds. Using Schrodinger's molecular modeling suite, he demonstrated with simultaneous hands on training on the selection, refinement of crystal structures of target proteins, preparation of ligands for docking. In the afternoon session in addition to importance of binding site analysis, he explained structure based lead identification and optimization. At the end of the day, participants were divided into different groups and hands on training were conducted on 2D chemical structure generation and molecular docking.

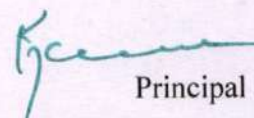
**Day 2:**

The field of computer aided drug designing has shown enormous growth in the past decades. Mr Vinod presented a talk on the recent developments in docking scoring functions, calculation of physicochemical properties and ADME modeling, and system building, explicit molecular dynamics and trajectory analysis. In the afternoon session, there was an interactive session using some case studies, participants were trained on pharmacophore modeling and virtual screening of



anti-cancer compounds. In addition, participants were also trained on designing molecules against endothelial receptors using three-dimensional quantitative structure activity relationship models.

Finally, at the end of the day there was a question and answer session and certificates distribution to the participants.



Principal

Dr. M. Ramanathan

**Dr. M. Ramanathan, M.Pharm, Ph.D.**  
Principal  
PSG College of Pharmacy  
Peelamedu, Coimbatore-4.



## EVENT PHOTOS



# HANDS ON TRAINING ON HPLC ANALYTICAL TECHNIQUES -INDUSTRIAL PERSPECTIVE

FRIDAY, 30 AUGUST 2019

DEPARTMENT OF PHARMACEUTICAL ANALYSIS  
PSG COLLEGE OF PHARMACY

## About Hands on Training (Workshop):

HPLC is a potent analytical tool for analysis of drugs, allowing for the separation, identification and quantification of drug substances. The hands on training will offer participants the opportunity to learn about working of the instruments and steps involved in validation of analytical results.

One Day workshop on “**Hands on training on HPLC analytical techniques –industrial perspective**” has been conducted on 30<sup>th</sup> August 2019, at Department of Pharmaceutical Analysis, PSG College of Pharmacy. The workshop aims to give exposure to young researchers to know basics of HPLC instrument, its working & applications.

## Inauguration:

On the inaugural function, Dr. S. Ravichandran Head of the department Pharmaceutical analysis delivered his welcome speech and inaugurated the workshop.



Inaugural function

*G. S. Ravichandran*





Twenty six (26) delegates from five pharmacy colleges, Kerala and Tamilnadu were participated.

The resource person **Mr.Karthik Venkatesh Application Specialist, SPINCO BIOTECH** gave brief introduction on chromatographic technique and highlighted importance of HPLC. He trained the participants on HPLC techniques- Industrial perspectives. Dr. Siva Selva Kumar PSG College of Pharmacy reflected his profound knowledge on UPLC and took the responsibility of training the participants on UPLC.



**Lecture by Mr. Karthik Venkatesh**



*Ky...*





During the interactive session resource person answered many queries raised by participants. The entire program was co-ordinated with the support of the Principal and faculty of the department of pharmaceutical analysis, PSG College of pharmacy Coimbatore.

Participants expressed their gratitude to staffs of the department of pharmaceutical analysis and PSG College of pharmacy, Coimbatore for organizing the workshop.

#### **Valedictory program**

The informative workshop culminated with a vote of thanks proposed by Mrs. Sruthi Vinod Assistant professor department of pharmaceutical analysis and distributed the certificates to participants.



**Valedictory program and certificate distribution**

**Web link : <http://psgpharma.ac.in/home-events/hands-on-training-on-hplc-analytical-techniques-industrial-perspective-30th-august-2019/>**

*[Handwritten signature]*





**PSG College of Pharmacy**  
**Department of Pharmacy Practice**      **22-06- 2019**

**Topic of the session:** A Workshop on “**Hands on Training Using Statistical Tools**”.

A one day work shop in statistics about was organized by Department of Pharmacy practice, PSG College of Pharmacy on 9-5-2019.

Dr. Uma Professor, department of Bio statistics, PSG College of Arts & Science conducted the program. The session started at 9.30AM at PSG college of pharmacy seminar hall. The workshop ended at 4.00PM. Mpharm students from the department of Pharmacy Practice, 5th and intern PharmD students attended the workshop. The overall session was interactive. **Key areas covered during the session:**

- basics of statistics
- methods
- SPSS
- Excel preparation
- How to apply statistics in their thesis

**Outcome of the session:**

- Students were enlightened regarding the application of statistics in thesis.



*Uma*



**PSG COLLEGE OF PHARMACY, COIMBATORE – 4**

**WEBINARS 2019-2020**

S.NO	DATE	TIMING	RESOURCE PERSON	TITLE	REGISTRATION	FEEDBACK
1.	17/08/2020	10.00-11.00 AM	Dr.Sivaram Hariharan	Protein and peptides- A chemistry perspective	488	354
2.	17/08/2020	2.00-3.00 PM	Dr. G.Shyamala	Bioactive peptides originated from plants		223
3.	18/08/2020	10.00-11.00 AM	Dr.S.Ravichandran	Analytical aspects of protein and peptides		177
4	19/08/2020	10.00-11.00 AM	Dr. M .Ramanathan	Pharmacology of Protein and Peptide drugs		204
5	20/08/2020	10.00-11.00 AM	Dr. V Sankar	Feasible drug delivery system for protein and peptide		268
6	21/08/2020	10.00-11.00 AM	Dr. Prudence	Application of protein and peptides in diseases		167
7	26/08/2020	10.00-11.00 AM	Dr. V. Parthasarathy (Annamalai University)	Recent Advances in Cancer- A Special Emphasize on Breast Cancer	323	287

*K. S. Sankar*





**PSG College of Pharmacy**  
Peelamedu, Coimbatore - 04, Tamil Nadu  
Approved by N.A.A.E.T. (MBA) No. 17/14/2019 dated 14.08.2019


**Inter-Department Webinar series on**  
**Theme: Proteins & Peptides Delivery**  
17.08.2020 - 21.08.2020

 <b>Dr. N. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 10:00 AM - 11:00 AM	 <b>Dr. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 11:00 AM - 12:00 PM	 <b>Dr. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 12:00 PM - 1:00 PM
 <b>Dr. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 1:00 PM - 2:00 PM	 <b>Dr. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 2:00 PM - 3:00 PM	 <b>Dr. S. Sankar</b> Senior Lecturer, PGD, PGD, PGD Date: 17.08.2020, Time: 3:00 PM - 4:00 PM

**Certificate**  
After successful completion of the webinar series, a certificate will be issued to all the participants who have successfully completed the webinar series.

**PSG College of Pharmacy**  
Avinashi road, Peelamedu, Coimbatore - 04, Tamil Nadu  
Website: [psgpharma.ac.in](http://psgpharma.ac.in)  
E-mail: [principal.psgpharma.ac.in](mailto:principal.psgpharma.ac.in)  
Phone: 0422-4345841  
0422-2570170

**Join our webinar on**  
**"COVID - 19 Pandemic Impact on Future of Indian Pharmaceutical Industries"**  
On 02.09.2020, at 9 am

  
**Mr. A. Muthukumar, M.Pharm**  
Deputy Manager  
Medrich Limited - A Meiji Seika Pharma  
Bangalore

Mr. A. Muthukumar is a skilled pharma professional with 11 years of experience in R&D.  
Previously worked with Dr.Reddy's, Syngene & Apex

**YouTube LIVE STREAM**  
CLICK HERE


For queries - [psgcp.webinars@gmail.com](mailto:psgcp.webinars@gmail.com)  
Youtube link will be sent to registered mail id

**Co-ordinator**  
Dr. S. Sankar

**Co-ordinators**  
Dr. S. Sankar  
Mrs. S. Sankar  
Mrs. S. Sankar  
Dr. S. Sankar

**PSG College of Pharmacy**  
Peelamedu, Coimbatore - 04, Tamil Nadu

**Join our webinar on**  
**Recent advances in Cancer -**  
**a Special emphasize on breast cancer**

  
**Dr. V. PARTHASARATHY, M.Pharm., Ph. D**  
Professor & Director  
Centre for Cell Biology and Drug Discovery  
Department of Pharmacy, Annamalai University  
Tamil Nadu, India

**On Wednesday, 26th August, 2020 at 10:00 AM IST**

**LINK** **YouTube LIVESTREAM** **REGISTER NOW**

[psgcp.webinars@gmail.com](mailto:psgcp.webinars@gmail.com)

