

SERB,DST,New Delhi

And

JSS Academy of Higher Education & Research

Sponsored

Two days National symposium on

“Exploring the advances and challenges in Green chemistry and Protein

Chemistry

Industry and Academia Perspectives”

9th and 10th March, 2018

at

Seminar hall, JSS College of Pharmacy, Rock lands, Ootacamund-643001, Tamil Nadu

REPORT

A two days national workshop “**Exploring the advances and challenges in Green chemistry and Protein Chemistry; Industry and Academia Perspectives**” which is sponsored by **SERB,DST,New Delhi and JSS Academy of Higher Education & Research** is being organized by Department of Pharmaceutical Chemistry JSS College of Pharmacy, Ooty from 09th March to 10st March 2018.

The Inaugural function was held between 9.00-9.30 AM on 9th March 2018. **Dr. Md. Afzal Azam**, Convener, welcomed the gathering. The speakers **Dr. Rakesh Kumar Sharma**, Director, Defence Food Research Laboratory (DFRL), Mysuru, **Dr. K. Sekar**, Professor, Department of Computational and Data Sciences, IISc, Bangalore. **Dr. S Rajan**, Officer-in-charge, Survey of Medicinal Plant and Collection Unit, CCRH, Ministry of Ayush. **Dr. Pritesh Bhat**, Senior Scientist Applications, Schrodinger, LLC, Bengaluru and **Dr. Vinod D**, Scientist Applications, Schrodinger LLC, Bengaluru were participated as guests. Dr. S.P. Dhanabal, Principal & Dean, Faculty of Pharmacy, JSS Academy of Higher education & Research, Mysuru was the president of the function. The national symposium was inaugurated in a traditional manner by lighting the lamp by the dignitaries. **Dr. S. Jubie**, Asst. Professor, Department of Pharmaceutical Chemistry and organizing secretary, gave genesis about the two days symposium. She elaborated in detail about the various scientific sessions and the usefulness and application of the

training sessions to the participants. President of the inaugural function **Dr. S.P. Dhanabal**, released the scientific chronicle. In his presidential address he spoke about the importance of the computational tools for the novel drug development process. He quoted that these techniques are the need of the day. He also requested the participants to effectively utilize the opportunities and update themselves in their relative fields.

About 70 delegates from various Pharmacy and Engineering Colleges of South India, various University Biotech Departments and two Scientists from IIT, Madras had participated in the workshop. During the two days program three scientific presentations, two hands-on-training sessions and e-poster session were conducted. After inaugural function, the scientific sessions were started **Dr. Rakesh Kumar Sharma**, Director, Defence Food Research Laboratory (DFRL), Mysuru, delivered key note lecture on “The Promises of green and sustainable chemistry; The role of industry in achieving sustainable development. After his session **Dr. K. Sekar**, Professor, Department of Computational and Data Sciences, IISc, Bangalore. delivered a talk on “Sequence motif and its three-dimensional structure: A data mining study. In the afternoon session **Dr. S Rajan**, Officer-in-charge, Survey of Medicinal Plant and Collection Unit, CCRH, delivered a talk on “Green extraction of plant natural products for the development of green and sustainable cosmetics: valorization of natural Nilgiri flora. During e-poster session, There were about 21 delegates presented scientific papers on Green and Protein Chemistry.

On the second day, 10th March 2018, **Dr. Pritesh Bhat**, , Senior Scientist Applications, Schrodinger, LLC, Bengaluru delivered the talk and trained the participants on “New strategy for inhibition of protein tyrosine phosphatases”. In the afternoon, **Dr. Vinod D**, Scientist Applications, Schrodinger LLC, Bengaluru delivered the talk and **trained** the participants on Design of small molecules as cyclin-dependent protein kinas inhibitor

Around 15 lap-tops were provided to the participants from Schrodinger Inc. Bengaluru and remaining participants used their own laptops. They interacted with Scientists and effectively participated in the training session. There was also a Hands-on-training session on synthesis of small organics using Microwave synthesizer by **Dr. Md. Afzal Azam, Prof & Head, Department of Pharmaceutical Chemistry**

A course material related to the training containing nearly 60 pages of information was distributed to the participants. Overall the symposium covered many advanced topics on Green and Protein chemistry. The participants actively interacted in each session.

Valedictory function of national symposium was held on the same day. **Dr. S. Jubie**, Asst. Professor, Department of Pharmaceutical Chemistry and organizing secretary, gave the report about two days symposium. The participants were asked to give their feedbacks about the symposium. All the participants felt that the symposium was useful. The principal distributed the certificates to all the participants. The best poster prizes were also distributed to the delegates. **Ms. CN. Hemalatha**, Research Scholar, School of Pharmacy, Vels Institute of science, technology and advanced studies & **Ms. Maida Angels**, Faculty PSG College of Pharmacy, Coimbatore shared the best poster prize on the category of CADD. **Ms. S. Gomathi**, Faculty, JKK Natarajah College of Pharmacy, Erode and **Ms. Asha Jose**, Research scholar, JSS College of Pharmacy shared the best poster prize on the category of plant sciences. **Dr. Md. Afzal Azam**, Convener, had given the concluding remarks about the symposium.

Seventy participants have attended the symposium and had expressed the benefits accrued, due to the programme. They conveyed that more such programs should be conducted to enable the PG students, research scholars and teachers to proactively participate. The participants departed happily from the institute.

Convener

Dr. Md. Afzal Azam,
Prof & Head

Co-ordinator

Dr. S. Jubie
Asst. Professor

Department of Pharmaceutical Chemistry
JSS College of Pharmacy
Udhagamandalam-643001.



Figure 1. Inauguration of two days national symposium.



Figure 2. Release of scientific chronicle

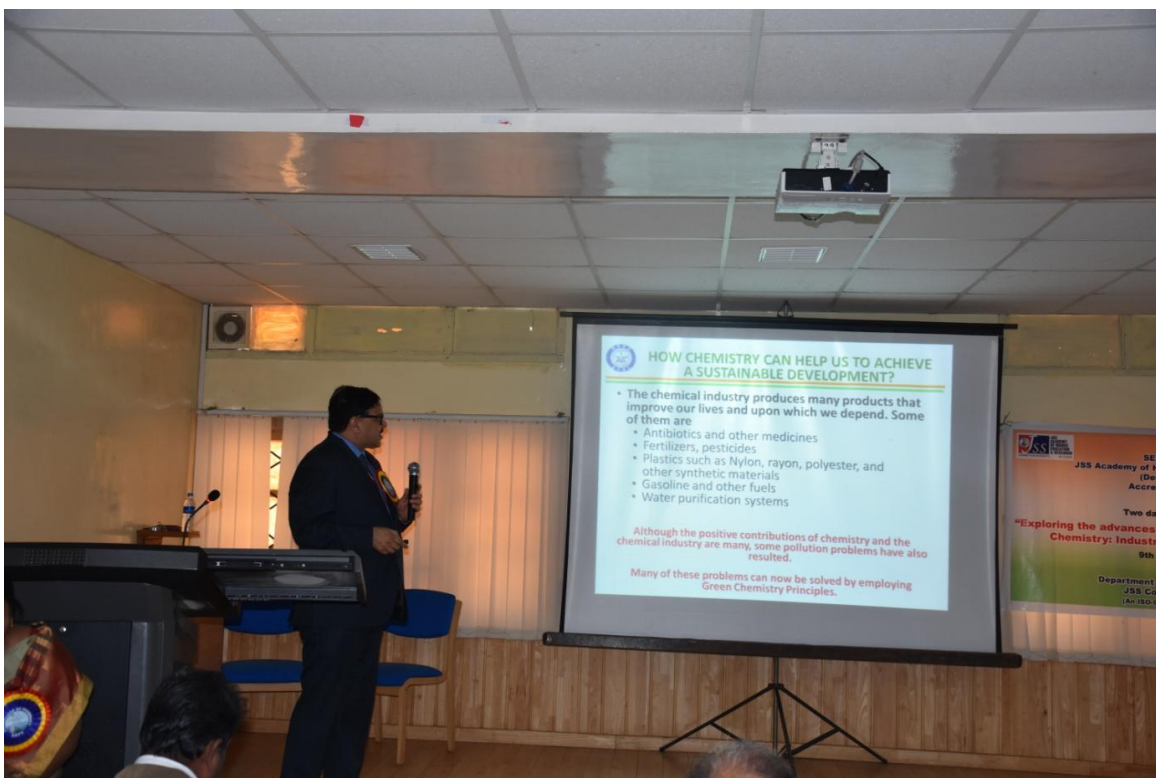


Figure 3. Dr. Rakesh Kumar Sharma during his presentation



Figure 4. Dr. Pritesh Bhatt and delegates during hands on training



Figure 5. Dr. S. Rajan during his presentation



Figure 6. Best e-poster award for one of the delegate