



St. Philomena's College

Affiliated to the University of Mysore
Reaccredited with 'A' Grade (CGPA 3.58)
College of Excellence – UGC

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Report of One Day State Level Seminar on “Recent Trends in General Chemistry” held on 11th March 2017 at St. Philomena’s College



Shri. Dr. Siddaramaiah, Professor Sri Jayachamarajendra College of Engineering Mysuru is seen lighting the lamp to inaugurate the conference at St. Philomena’s College. From left - Principal Dr. T. Ruth Shantha Kumari, Vice Principal Rev. Fr. Bernard Prakash Barnis and from right Convenor Prof. Othbert Pinto look on.

The One Day State Level Seminar on “Recent Trends in General Chemistry” was held at St. Philomena’s College by the PG Department of Chemistry on 11th March 2017 in the College conference hall.

The objective of the seminar was to update teachers, familiarize the students the scope in higher education and to present their original contribution for the betterment of the society and to bring together the Researchers and Scientists on

one platform to deliberate on recent trends in Medicinal Chemistry, Polymer Chemistry and IR Spectroscopy. It also created awareness about the importance of interdisciplinary research in different areas of science and technology.

Dr. Asha M. S welcomed the gathering and the seminar was inaugurated by the Chief Guest Shri. Dr. Siddaramaiah, Professor Sri Jayachamarajendra College of Engineering Mysuru.

Shri. Dr. Siddaramaiah delivered the keynote address and the principal Dr. T. Ruth Shantha Kumari in her Presidential remark congratulated the PG Chemistry Department for organizing the seminar. The Convenor Prof. Othbert Pinto introduced the Chief guest and speaker Shri. Dr. Siddaramaiah.

The seminar speakers highlighted various aspects of Recent Trends in General Chemistry.

Shri. Dr. Siddaramaiah, Professor Sri Jayachamarajendra College of Engineering Mysuru spoke on the topic “Nanotechnology/Nanocomposites-A Scientific Marvel of the Present Century” wherein he focused on the polymeric systems, nanomaterials and nanochemistry, how the nanomaterials and particles are the part and parcel of the nature and how it inspired our present world right from the examples of kingfisher birds to spider webs. He also explained the large future applications of nanomaterials.

Dr. B.R. Prashantha Kumar, Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Mysuru spoke on the topic, “Medicinal Chemistry: Past, present and future with a case study” wherein he discussed about the anaesthesia, antipyretics and many other drugs in the initial 18th century. He explained the pharmacokinetics and pharmacodynamic properties of different drugs and especially the crucial role it plays in drug designing. He enlightened the novel Glitazones: Design, Synthesis, Analysis and Antihyperglycemic Activity and also described in detail about the *diabetes mellitus* & his contribution in its treatment.

Dr. V A Sajeer Kumar, Defence Food research Laboratory, Defence Research & Development Organisation Ministry of Defence government of India spoke on the topic, “Advances in Fourier Transform Infrared (FTIR) Spectroscopy” wherein he briefed that molecular vibration is an important physical property of compounds, which could be effectively observed using Infrared spectroscopic tools to arrive at

information at molecular level and advances in mathematical procedures such as Fourier Transformation has enhanced the potential of the IR spectroscopic method. He also emphasised that advent of new IR sampling techniques such as ATR, DRIFTS, PAS, IR microscope and advances in laser techniques have opened up a new era of the spectroscopic tool in chemical analysis.

Dr. Hanumanthachar Joshi, Principal, Saradavilas College of Pharmacy, Mysuru, spoke on the topic, “Recent trends in the Development of Nanophytobioactive Compounds and Phytochemicals for their role in treatment of Alzheimers and Parkinsons Disease” wherein he discussed how the long term memory loss and risk factors for Demensia. He also explained the memory models and Probable mechanism of nootropic action of agents investigated in the present study.

The conference concluded with valedictory function. Mrs. Lydia Vanadana Welcomed, Dr. Hanumanthachar Joshi, Principal, Saradavilas College of Pharmacy, Mysuru, delivered the Valedictory Address, Dr. T. Ruth Shantha Kumari gave her Presidential Address and Ms. Amrutha Baburaj of I M.Sc Chemistry student proposed the Vote of Thanks.

The conference programme was compered by Sister Reena Rego and Ms. Poojitha of I M.Sc Chemistry students. More than 100 participants attended the seminar comprising of Research Scholars, Teachers and Students from different colleges in and outside Mysuru.

Coordinator

Convener