

ACMPTA-17



Recently, Department of Sciences and Humanities (S & H) at VFSTRU conducted a 2 day national conference entitled “Advanced Chemical Materials and Processes for Technological Applications in Life Sciences, Pharmacy and Healthcare” (ACMPTA-17) on 18-19 August 2017. More than 200 participants enjoyed the two-day programs listening to interesting lectures, given by some of the stalwarts in the fields of chemistry, chemical engineering, materials, drug-design etc.

On 18th August the conference started with welcoming remarks from Dr. D. Nagaraju (Convener), Prof. N. Srinivasu (HOD, S & H), Dr. P. Srinivasa Babu Principal, Vignan’s Pharmacy College, Dr. M. Y. S. Prasad, Vice-Chancellor, VFSTR University, Guest of Honors Dr. Anuj Sharma from IIT Roorkee, Dr. P. Ramu Sridhar from University of Hyderabad and finally Chief Guest of the first day session Dr. K. S. M. S. Raghava Rao. All the dignitaries thanked the organizing committee and wished a grand success for the seminars to follow.

After the inauguration ceremony, the program started with the introductory lecture by Prof. K. S. M. S. Raghava Rao. In his lecture, he explained some of the challenges and possible solutions pertaining to extraction of biomolecules. The second lecture was given by Prof. Anuj Sharma from IIT Roorkee. His lecture shed light on the different aspects of 4+1 cycloaddition reaction and its potential as an emerging strategy for the synthesis of interesting drug candidates. For the last lecture for the pre-lunch session, Prof. Koya Prabhakar Rao from VFSTRU who beautifully summarized his past and ongoing research activities related to metal organic

frameworks (MOF) and their utility in gas adsorption, catalysis, biomedical applications etc. The students enjoyed the seminars a lot as exhibited by their active participations during the question-answer sessions.



The post-lunch session was initiated by Prof. Ramachary who demonstrated the bio-inspired catalytic methodologies for applications in pharmaceutical chemistry. His humorous story-telling approach made the entire lecture session very interesting. Following his lecture, Prof. D. K. Mahapatra presented his works focusing on the synthesis of biologically relevant polyacetylenic compounds utilizing Cadiot-Chodkiewicz reaction. The final lecture of the day was delivered by Dr. Anandarup Goswami from VFSTRU. In his talk, he emphasized on the development of carbon-based nanocatalysts especially

for electrocatalytic water-splitting. Similar to first session, all the lectures in the second session was also very well-appreciated by the participants.



On the morning session of the second day (19th August 2017) of the conference, Prof. Ramesh L. Gardas highlighted the importance of ionic liquid especially as a greener solvent especially for the removal of oil-sludge, metal-impurities etc. His jovial tone and impressive presentation generated

significant interests among the participants. As a second presenter of the morning session, Prof. V. Madhusudhan Rao, Dean-Engineering & Management, VFSTRU, demonstrated some of the present challenges of Li-ion batteries and his approaches to solve those problems to increase the efficiency and shell-life of the battery. Prof. P. Ramu Sridhar was the third speaker of the morning session who explained the synthetic approaches for the preparation of carbohydrate with special emphasis on drug-discovery. The morning session for the second day of the conference was concluded by Dr. Shaik Anwar from VFSTRU who showed some of his recent works on the strategic developments of Morita-Bayliss-Hilman reaction.

As a first presenter of the post-lunch session, Prof. M. V. Basaveswara Rao delivered his lecture on the various synthetic utility of 4+2 cycloaddition for the synthesis of several medicinally important compounds. The final scientific lecture of the conference was given by Prof. Ch. Mohan Rao, Ex-Director of CCMB, who highlighted some of his pioneering interdisciplinary works focusing on some non-trivial biological and medicinal problems. His encouraging talk was aimed at the young researchers to engage them into productive practical learning which can be utilized for solving challenging problems in biomedical chemistry.

The closing ceremony of the conference included the valedictory functions, followed by distribution of awards and certificates. All the distinguished persons including the guests, registrar, In-charge vice-chancellor congratulated the organizing committee on the success of the conference and emphasized the importance of such conference in spreading the science beyond boundaries.



200+ students, enthusiastic participation from students and faculty members, interesting conversations on the cutting edge-research clearly indicate that given proper exposure, science will flourish beyond the boundaries for the betterment of human race.