

The Chairperson of Second Technical Session (TS2) was Prof. Amarendra Patra. First lecture of TS2 was delivered by Dr. Surajit Ghosh, the Principal Scientist, CSIR- Indian Institute of Chemical Biology, Kolkata. It was Professor Asima Chatterjee Award lecture, titled, "Spatial Position regulates power of Tryptophan: Discovery of major groove Specific nuclear localizing Cell penetrating tetrapeptide". Discussion on classification of cell penetrating peptides (CPP), microarray analysis, molecular docking and drug discovery were made in his lecture. Dr. Ghosh gave an beautiful explanation on importance of interdisciplinary research. After his lecture, Arijit Ghosh, Research Scholar, Netaji Subhash Chandra Bose Cancer Research Institute, Dr. Anirban Kayet, Assistant Professor in Department of Chemistry, University of Calcutta, Soumitra Barman, Research Scholar, Department of Chemical Sciences, IISER Kolkata and Junaid Jibrán Jawed, Research Scholar, Division of Molecular Medicine, Bose Institute presented Professor Asima Chatterjee Young Scientist Award, 2018 Lectures. (1) Title of A. Ghosh's Lecture was "Antiproliferative effect of Moringa oleifera root extract on ovarian carcinoma: in vitro as well as in vivo study". He explained that Moringa Oleifera (Sajne tree in Bengali) is a wonder tree. The Moringa root was extracted in water. Then clonogenic assay was prepared followed by cell cycle analysis. After western blot analysis, immunocytochemistry is performed. Histopathology of mice ovaries under treatment conditions were analyzed and drug protein finding was done experimentally. (2) Then, Dr. A. Kayet gave a lecture on, "5-Annulation of ketoimines: tfa-Catalyzed construction of isoindolinone-3-carboxylates and photophysical studies". He discussed about plausible mechanism

of TFA catalyzed construction. (3) The next lecture was on "Selective light driven reduction of CO₂ to HCOOH in water using a {MoV9}_n(n=1332-3600) based soft-oxometalate (SOM)", delivered by S. Barman. He demonstrated the concept of polyoxometalates, Soft-oxometalates. He also explained which type of the researches were being performed in this area. (4) At last, J. J. Jawed delivered his lecture on "Immune cells as a novel therapeutic strategy: alternative to conventional medicines". He explained about different immune cells, Leishmaniasis. The reason of using dendritic cells for effective therapy was discussed by him. He spoke on related research works along with their results. The second technical session ended with interaction and summarization of all lectures by the Chairperson.

After two technical sessions, total thirty three research papers were presented in front of research experts in Poster Session. Then, award ceremony started and the President of Professor Asima Chatterjee Foundation, Kolkata, Dr. Satyesh C. Pakrashi gave certificates to all award winners including that of poster presenters. The seminar was ended with a concluding session in which the Secretary of PACFK gave his heartiest thanks to all members, speakers and the audience. The Secretary also mentioned about the active role of Professor Asima Chatterjee Foundation, Kolkata to give the limelight on young researchers. He also praised all academicians for attending the seminar. At last, certificate of participation was distributed to attendees.

[A few photographs of the event
are in the back inside cover]

Bandana Barman
KGEC & ISEC

A Brief Report of the Seminar on Celebration of Centenary Year (1919 - 2018) of The Association of Engineers, India held on November 17, 2018

The Association of Engineers, India (AEI) celebrated the glorious occasion of its Centenary Year (1919 - 2018) by organizing a seminar on "Challenges and Prospects of Engineering

Professionals in India" on 17.11.2018 at College of Engineering and Ceramic Technology (GCECT), Kolkata. Eminent Professors and Engineers were present in this auspicious event. Prof. Dr. Santanu

Das, the Secretary of ISEC, was also the Convener of Centenary Committee of The AEI. Dr. Anil Kumar Ghosh, The President of ISEC, Dr. Swapna Mukherjee, The Convener of Seminar Committee of ISEC, Mr. Subhendu Datta Treasurer of ISEC and other members of ISEC along with Mr. R.K. Pratihar, the Executive Editor of Indian Science Cruiser published by ISEC, attended the Seminar.

As Prof. Dr. Madhusadan Bhattacharyya, President of The AEI and the Chief Patron of Centenary Committee was not present due to his poor health condition, Er. Rabindra Chandra Bhattacharya, The Vice President of The AEI and The Chairman of Centenary Committee welcomed all. He uttered the struggle behind formation of the AEI (on 18th April, 1919) and also exclaimed how this association is still serving for the society as well as for the country. Prof. Dr. Saikat Maitra, The Vice Chancellor of MAKAUT, West Bengal (previously WBUT), delivered the Inaugural Speech. He spoke about some innovative ideas to be developed for industrial and economical growth of India. The Souvenir of Centenary Celebration of the Association of Engineers, India (1919-2018) was released on that day. Prof. Dr. Santanu Das and Dr. Sanchayan Mukherjee, Members of ISEC, were the Editors of the Souvenir. Former Vice Chancellor of Bengal Engineering and Science University (BESU), Shibpur and Vice President of The AEI, Prof. Dr. N. R. Banerjea, delivered lecture by paying homage to the struggling founder Engineers and technological members of The AEI. Prof. K. Chakrabarty, The Principal of GCECT, addressed the gathering by advising all to cultivate intelligence in their respective fields. He also counseled that the best solution of all challenges would be obtained if one takes care of his or her talent for earning the best knowledge. Prof. Dr. A. R. Thakur, Former Vice Chancellor of WBUT, encouraged all on Globalization of Education in Engineering and Technological fields. In the Keynote Lecture of The Centenary Seminar, Padma shri Prof. Dr. Ajay Kumar Ray, former director of IEST (formerly BESU), mentioned the struggle done by The AEI members

in the British era. He also outlined the imminent challenges to be faced by the budding engineers and engineering professionals in the days to come, and also mentioned do's to tackle them. Prof. Santanu Das, delivered the Vote of Thanks and announced the lunch break.

Er. S.N.Basuray, Honorary Secretary of The AEI, Addressed after lunch. He informed about different courses conducted by The AEI for the prospect of the country. In the Technical Session, Mr. A. K. Basu, The EDRS, Indian Oil Corporation, delivered a lecture on "Challenges and Prospect of Engineering Professionals". He exclaimed about the prospect of Value Education. Dr. K. N. Sen, AGM, L & T Limited, provided a technical lecture on "Safety Measure and Risk Management". Dr. Sanchayan Mukherjee, the Associate Professor in Mechanical Engineering, Kalyani Government Engineering College and The Editor of the Souvenir of The Centenary Seminar and also the Life Member of ISEC, presented a lecture on "Engineering Education in India- Problems and Challenges". The Technical Session ended with this lecture.

A Panel Discussion was arranged in the last session. Prof. Anil Kumar Ghosh, The President of ISEC, was a panel member. Everyone present in the seminar conceded that Engineering and technological courses and curriculum should be suitably organized in such a way that they can serve both the society and also the industry. Prof. A. K. Ghosh told that, if all associations work together then the problem in Education might be overcome. Prof. Krishnendu Chakrabarty, the Principal of GCECT, made the closing remark of The Seminar by advising all academicians to make the attitude for providing service to the society and to the country. With this hope and feelings, the Centenary Seminar ended successfully.

[A few photographs of the seminar
are in the back inside cover]

**Santanu Das and
Bandana Barman**
KGEC & ISEC