

Monthly Report for February 2020
Department of Biochemistry
University of Delhi South Campus

Achievements

1. Honors and distinctions

Faculty

Professor Debi P. Sarkar – Served as an Expert Member for evaluation of ongoing project in Dept. of Bioscience and Bioengineering, IIT, Guwahati under DBT, GOI on 7th/8th February, 2020

Professor Suman Kundu - Special Invitee for 3rd Technical Expert Committee (TEC) meeting on Theoretical and Computational Biology (Bioinformatics, AI and Big Data), 19th to 21st February, 2020 in Department of Biotechnology (DBT), New Delhi

Professor Suman Kundu - Invited Talk: “Drug Discovery Initiative to Combat Hypertension: A Heartening Story”, International Conference of Cardiovascular Sciences – 2020, Annual Conference of International Academy of Cardiovascular Sciences (IACS) – India Section (Theme: Convergence of Clinicians and Scientists for Cardiovascular Health), in Delhi Pharmaceutical Sciences and Research University, New Delhi, February 21-23, 2020 (talk on Feb 22, 2020).

Professor Alo Nag - Invited talk on “Exploiting FoxM1 to Fight against Cancer” at the 13th International Symposium on Cancer Prevention and Treatment held on February 20-21, 2020, at Jawaharlal Nehru University, New Delhi (talk on 21st February 2020).

Professor Alo Nag - Delivered talk on “ Understanding the Oncogenic Mechanisms of FoxM1” at the 8th International Translational Cancer Research Conference: Role of Inflammation and Immune System for Cancer Prevention and Treatment, held on February 13-16, 2020, at Banaras Hindu University, Varanasi (talk on 14th February 2020).

Dr. Garima Khare - Delivered an invited talk entitled, “Unraveling the role of the transcriptional regulator VirS in low pH-induced responses of *Mycobacterium tuberculosis*” at the International Conference on Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases, organized by Department of Biochemistry, South Campus and Shivaji College on February 12-13, 2020 at Shivaji College.

Doctoral / Post-Doctoral Fellows

Deeptashree Nandi, Awarded Professor A.R. Rao Memorial Young Scientist/ Researcher Award for oral presentation on “Artemisinin: The front runner among natural product derived anti-cancer therapeutics shows promise in management of

Hepatocellular Carcinoma” at the 13th International Symposium on Cancer Prevention and Treatment held on February 20-21, 2020, at Jawaharlal Nehru University, New Delhi.

Yama Atri, Won Award for Best Oral Presentation entitled “Cul4A: An oncogenic driver and an attractive chemotherapeutic target for cervical cancer” at 8th International Translational Cancer Research Conference: Role of Inflammation and Immune System for Cancer Prevention and Treatment, Banaras Hindu University, Varanasi, 13-16 February 2020.

Yama Atri, Won Second Best Oral presentation award on “Oncogenic functions of Cul4A, E3 Ligase, in cervical cancer with implications in Cisplatin resistance” at 9th National Science Day Symposium, 27-28 February 2020, University of Delhi South Campus, New Delhi.

Yama Atri, Won Best Cover Page Award at 9th National Science Day Symposium, 27-28 February 2020, University of Delhi South Campus, New Delhi.

Pradeep Singh Cheema, Won Best Banner Design Award at 9th National Science Day Symposium, 27-28 February 2020, University of Delhi South Campus, New Delhi.

Kajal Yadav, Asim Khan and Suman Kundu, Third Best Poster Award, "Mutational analysis of recombinant human hemoglobin heme pocket to enhance globin stability", 9th National Science Day on 27th-28th February, 2020, University of Delhi, South Campus, Delhi-110021

Manisha Saini, First Prize in Oral presentation "To study the antihypertensive effects of BMP4: from laptop to benchtop to live models" at International Conference on “Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases”; Shivaji College, University of Delhi from 12th-13th February, 2020.

Shruti Bhatt, A. Sai Rajesh, and Suman Kundu, Won Third Best Oral Presentation Award, “In-vitro effects of Sailin-HbS[®]: a herbal formulation, having a potent anti-sickling effect”, Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases”, 12th-13th February, 2020, Shivaji College, University of Delhi, Delhi.

Gaurav Kumar, Prof S.C. Tyagi Oration Award for talk on “Managing hypertension by targeting cytochrome b5 reductase 3: a contemporary therapeutic strategy” at the International Conference of Cardiovascular Sciences – 2020, Annual Conference of International Academy of Cardiovascular Sciences (IACS) – India Section in Delhi Pharmaceutical Sciences and Research University, New Delhi, February 21-23, 2020.

Manisha Saini, Prof Devendra Agarwal Oration Award for talk on “To study the antihypertensive effects of GK4 in spontaneously hypertensive rats” at the International Conference of Cardiovascular Sciences – 2020, Annual Conference of International Academy of Cardiovascular Sciences (IACS) – India Section in Delhi Pharmaceutical Sciences and Research University, New Delhi, February 21-23, 2020.

2. Research Projects / Publications including books / Patents / Technology Transfer / Industrial Collaboration

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3. Seminars/Conferences/Workshops Organized

Organized **International Conference** on “Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases” by Department of Biochemistry of Shivaji College & South Campus, University of Delhi at Shivaji College Auditorium, Raja Garden, Delhi, February 12th -13th, 2020 (Convener: Dr. Suman Kundu & Dr. Rashmi Wardhan).

Organized **INSA-D.S. Kothari Memorial Lecture** – 2020 in Biotech Centre Auditorium, University of Delhi South Campus, on 17th February, 2020. Awardee: Dr. Madhu Dikshit, National Chair, Translational Health Science and Technology Institute, Faridabad and Former Director, CSRI-Central Drug Research Institute, Lucknow (Convener: Dr. Suman Kundu).

Invited talk by Professor Andreas Herrmann, Humboldt University, Berlin, Germany, "Tracking Bundling of Influenza A Virus Genome Segments in Infected Host Cells at Single Molecule Level", 10th February 2020.

Journal Club Seminar Presentation by Aakriti Singal (Ph.D. scholar), "Modification of *pfap2μ* and *pfubp1* Markedly Reduces Ring-Stage Susceptibility of *Plasmodium falciparum* to Artemisinin *In Vitro*", 3rd February 2020.

4. International collaborations including students exchange

None

5. Extension and outreach activities and any other significant achievements/activity

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