

## Monthly Report for December 2020

Department of Biochemistry  
University of Delhi South Campus

### Achievements

#### 1. **Honours and distinctions:**

- a. **Prof. Debi P. Sarkar** - Attended an APEX committee meeting (on line) of GENE THERAPY strategy advisory member of ICMR, GOI on 3<sup>rd</sup> December 2020.
- b. **Prof. Debi P. Sarkar** - Attended BRS meeting (on line) of Faculty of Science, Delhi University as a Vice Chancellor Nominee on 4<sup>th</sup> December, 2020.
- c. **Prof. Debi P. Sarkar** - Attended 2<sup>nd</sup> Webinar meeting on "Science Beyond Boundary: Invention, Discovery, Innovation and Society, "RASAYANA 6" as Inaugurator held on 5<sup>th</sup> December, 2020 at Raja Narendra Lal Khan Women's College (Vidyasagar University), Midnapore, West Bengal.
- d. **Prof. Debi P. Sarkar** - Attended as an invited member of Research Council Meeting (on line) of Midnapore College (Autonomous, Estd. 1873), West Bengal on 5<sup>th</sup> December 2020.
- e. **Prof. Debi P. Sarkar** - Attended as Chief Guest of Online Orientation Program of School of Nano Sciences entitled "LAB SAFETY MEASURES-2020" of Central University of Gujarat, Gandhi Nagar on 15<sup>th</sup> December, 2020.
- f. **Prof. Debi P. Sarkar** - Attended as member of NBDS, DBT, GOI, New Delhi, 1<sup>st</sup> meeting of Core Committee (on line) for Framing NBDS policy on 17<sup>th</sup> December 2020.
- g. **Prof. Debi P. Sarkar** - Attended a selection committee meeting (on line) of Scientist at NII, DBT, GOI, New Delhi on 18<sup>th</sup> December 2020.
- h. **Prof. Debi P. Sarkar** - Attended GB meeting (physical) of Venkateshwara College, DU as VC, DU Nominee on 29<sup>th</sup> December 2020 and as special guest on inaugural function of Smt Durgabati Deshmukh Block.
- i. **Prof. Suman Kundu** - Expert Member, Union Public Service Commission, for selection of Assistant Professor of Biochemistry in National Sugar Institute, Kanpur, December 23, 2020

#### 2. **Research Projects/ Publications including books/ Patents/ Technology Transfer/ Industrial Collaborations:**

Sharma, A., Saini, M., **Kundu, S.**, Thelma B.K. (2020). "Computational insight into the three-dimensional structure of ADP Ribosylation factor like protein 15, a novel susceptibility gene for rheumatoid arthritis". Journal of Biomolecular Structure and Dynamics. Doi: [10.1080/07391102.2020.1860826](https://doi.org/10.1080/07391102.2020.1860826)

Collaborative Research Agreement (CRA or MoU) effective from 11<sup>th</sup> December, 2020 with M/s Sai Phytochemicals Pvt. Ltd., Greater Kailash Part II, New Delhi 110048 on the

topic *“New Drug Candidates to Combat Hypertension and Cardiac Hypertrophy Designed against an Unconventional Target and Pathway”*

Simran Kaur, Nupur Angrish, Kajal Gupta, Anil K. Tyagi, **Garima Khare**. (2021). Inhibition of ABCG2 efflux pumps renders the *Mycobacterium tuberculosis* hiding in mesenchymal stem cells responsive to antibiotic treatment. *Infection, Genetics and Evolution*. 87 (2021) 104662. Available online (3<sup>rd</sup> December 2020)

**3. *Seminars/ Conferences/ Workshops Organized:***

Webinar on “Covid-19 Diagnostics, Therapeutics and Vaccines – Initiatives in India and Canada”, Department of Biochemistry in association with Centre for Canadian Studies and Department of Finance and Business Economics, University of Delhi South Campus, December 14, 2020" (Keynote Speakers Prof. Vivek Goel, University of Toronto and Prof. Shahid Jameel, Ashoka University)

**4. *International collaborations including students exchange***

-

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

-