

## Monthly Report for June 2021

Department of Biochemistry  
University of Delhi South Campus

### Achievements

#### 1. *Honours and Distinctions:*

##### *Faculty*

**Prof. Debi P. Sarkar** - *Conferred Excellence Awards for Teachers in Service by the University of Delhi, 99<sup>th</sup> Foundation Day, 28<sup>th</sup> June 2021*

**Prof. Debi P. Sarkar** - Invited as an Expert by the Director, IISER Bhopal to attend a Selection Committee Meeting for faculty members, Biology Division (Professor and Asst Professor) on 1<sup>st</sup> June, 2021.

**Prof. Debi P. Sarkar** - Invited as an Expert for promotion (CAS 2018, UGC) of faculty members of Department of Microbiology of Bhaskaracharya College of Applied Sciences on 3<sup>rd</sup> June 2021

**Prof. Debi P. Sarkar** - Invited as a GB Chairman nominee (and VC DU nominee) of Sri Venkateshwara College, DU for the promotion meetings of Associate to Professor positions of various departments on 7<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 18<sup>th</sup>, 21<sup>st</sup> and 22<sup>nd</sup> June 2021.

**Prof. Debi P. Sarkar** - Invited as an external expert of 65<sup>th</sup> Research Committee meeting of CSIR-IICB (GOI) on 22<sup>nd</sup> and 23<sup>rd</sup> June, 2021.

**Prof. Debi P. Sarkar** - Invited as an expert member of PAC, Life Science and Medical Biology of DST, GOI on 22<sup>nd</sup> and 23<sup>rd</sup> June, 2021.

**Prof. Suman Kundu** - Invited Talk : "Hemoglobins – The Red Goldmine", at the Department of Biochemistry, Dr N.P.G. Arts and Science College, Coimbatore, Tamil Nadu on June 4, 2021

**Prof. Alo Nag** - Invited as a Chief Guest for Inaugural address on "Significance of Research Methodology" during Inter-College Online Summer Training Program on RESEARCH METHODOLOGY 2.0 at Shivaji College (June 21-July 19, 2021).

##### *Staff*

**Mr. Subrata Ghosh** - *Conferred Distinguished Service Award for Retired Non-Teaching Staff, 99<sup>th</sup> Foundation Day, 28<sup>th</sup> June 2021*

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

##### **Publication**

Sharma, N.R., Gadhave, K., Kumar, P., Khan, M.S.M., **Sarkar, D.P.**, Uversky, V.N. and Giri, R. (2021). "Analysis of the Dark Proteome of Chandipura Virus Reveals Maximum Propensity for Intrinsic Disorder in Phosphoprotein", *Scientific Reports (npg)* 2021, Vol 11, Page 13253- On line 24th June 2021.

**Aggarwal, D.D.**, Rybnikov, S., Sapielkin, S., Rashkovetsky, E., Frenkel Z., Singh, M., Michalak,P., Korol, A.B. (2021) Seasonal changes in recombination characteristics in a natural population of *Drosophila melanogaster*. Heredity (npg). doi.org/10.1038/s41437-021-00449-2. <https://www.nature.com/articles/s41437-021-00449-2> (**Aggarwal, D.D. – First and the Corresponding author**).

## **Patents**

Quinolone-Based Anti-Hypertensive Cardio-Protective Composition, **Suman Kundu**, Sanjay Kumar Dey, BK Thelma, Pankaj Prabhakar, Subir Kumar Maulik, **Provisional Indian Patent** applied (ID 20211102677), June 16, 2021.

Novel Anti-Hypertensive Cardioprotective Composition Comprising of Dispiro[1H-Perimidine-2(3H),2''(3''H)-[1H]Perimidine, **Suman Kundu**, Sanjay Kumar Dey, Gaurav Kumar, Vikash Kumar, Surya Ramachandran, Chandrasekharan Cheranellore Kartha, **Provisional Indian Patent** applied (ID 202111026998), June 16, 2021.

A Furan-Based Anti-Rheumatoid Arthritis Composition, **Suman Kundu**, Manisha Saini, BK Thelma, Sanjay Kumar Dey, Richa Arya, **Provisional Indian Patent** applied (202121026835), June 17, 2021.

**Prof. Alo Nag** - "Novel anti-malarial liposomal formulation", **Prahlad Chandra Ghosh, Alo Nag**, Mohsin Raza, Aakriti Singal and Hina Bharti, Final Indian patent submitted (ID 201711016131), February 15, 2018; Published in November 2018; **Hearing defense for the patent on 9<sup>th</sup> June 2021, final draft filed on 22<sup>nd</sup> June 2021.**

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

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

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

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