

Department of Biochemistry

University of Delhi South Campus

Quarterly Report (November 2022 to January 2023)

Major Achievements (For Academic Departments):

1. Honors and distinctions

1. **Prof. Debi P. Sarkar** - Invited as an Expert for NBA/AICT meeting to visit and evaluate the progress of GM Institute of Technology, P.B Road, Near DC Office, Davanagere, Karnataka- 577006 from 04th to 06th November 2022.
2. **Prof. Debi P. Sarkar** - Delivered an Invited, Inaugural Inspiring talk entitled "Joyous Journey of Our Glorious Past of Biological Research to Outstanding Present Scenario: A Long Resilient Attempt for Achieving Translational Collision" at "ZOOM" Ramjas College DU on 10th November 2022
3. **Prof. Debi P. Sarkar** – Invited as Member to attend Academic Council Meeting of DU on 22nd November, 2022.
4. **Prof. Debi P. Sarkar** - Invited as an external member for the internal screening committee for assessment of Scientists "F" to "G" in ADA/DRDO by the Director, RAC, DRDO, Timarpur, Delhi on 21st December 2022.
5. **Prof. Debi P. Sarkar** - Invited as a Subject Expert to conduct selection committee meeting for Senior Scientists at CSIR-IICB, Kolkata by the Chairman, RAB, CSIR on 27th December 2022
6. **Prof. Debi P. Sarkar** - Invited as a BRS Member of the School of Basic Sciences and Research, Department of Chemistry and Biochemistry by the Vice Chancellor of Sharda University, Greater Noida on 15th December 2022.
7. **Prof. Debi P. Sarkar** - Invited as an Expert to conduct PhD admission interviews by the Director, ILBS, Vasant Kunj New Delhi, 19th December 2022.

2. Books/ Patents/ Technology Transfer/ Industrial Collaboration

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3. Seminars/ Conferences/ Workshops Organized

Seminar

Department of Biochemistry organized a one-day symposium entitled, "**Snippets of Life Sciences Research in India: Honoring Prof. Debi P. Sarkar**" 30th January 2023.

- (a) Seminar entitled, "A Journey from Virosome to Endosome" by **Prof. Siddhartha Jana, IACS, Kolkata** on 30th January 2023.

- (b) Seminar entitled, "Active DNA demethylation during replication and gene transcription" by **Dr. Vijay Kumar, ILBS, New Delhi** on 30th January 2023.
- (c) Seminar entitled, "How Leishmania makes safe home and gets food" by **Prof. Amitabha Mukhopadhyay, IIT, Delhi** on 30th January 2023.
- (d) Seminar entitled, "An unexplored zinc finger protein bridges the relationship between cold temperature and cholesterol in breast cancer" by **Prof. Chandi C. Mandal, CUR, Ajmer** on 30th January 2023.
- (e) Seminar entitled, "Insight into bacterial kinases" by **Prof. Pradip Chakraborty, PU, Chandigarh** on 30th January 2023.
- (f) Seminar entitled, "Regulation of one carbon metabolism: solving a decades old puzzle" by **Prof. Anand Bachhawat, IISER, Mohali** on 30th January 2023.

Department of Biochemistry organized **Prof. P.C. Ghosh Memorial Lecturer 2023** entitled, "Interaction between Metabolic and Epigenetic Landscapes: Implications in Glioma Progression" by Prof. Ellora Sen, NBRC, Manesar on 12th January 2023.

Seminar on "Targeting autophagy as a therapeutic strategy for atrophic age-related macular degeneration" by Prof. Debasish Sinha, Jennifer Salvitti Davis, M.D. Chair in Ophthalmology, Professor of Ophthalmology, Cell Biology and Developmental Biology, University of Pittsburgh, School of Medicine, USA (*Adjunct Faculty, Department of Biochemistry, University of Delhi South Campus*), 14th November 2022.

Workshop

Targets (For Academic Departments: Academic activities and Research)

Publications

Atish Nag, Kumarjeet Banerjee, Ranajit Barman, Joy Kar, **Debi P Sarkar**, Siddhartha Sankar Jana and Suhrit Ghosh: Direct Correlation between the Secondary Structure of an Amphiphilic Polymer and its Prominent Antiviral Activity: Accepted in "Journal of American Chemical Society (JACS)", 9th December, 2022 (In Press)

Court/Executive Council meetings

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Planning of Convocation/ Honoris Causa Degrees etc.

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Any Pending Issues

Faculty recruitment

Non-teaching recruitment

Full time Veterinarian for Animal House

Any other important activity (For Academic Departments): 1. International collaborations including students exchange, 2. Extension and outreach activities and any other significant achievements/activity

Extension and outreach activities

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