

Department of Biochemistry University of Delhi South Campus

Quarterly Report (May 2023 to July 2023)

Major Achievements (For Academic Departments):

1. Honors and distinctions

Prof. Alo Nag - Invited as **Chief Guest** by Department of Biochemistry at Shivaji College, to address the participants and interact with students in the valedictory session of the Summer Training Program on Research Methodology, on 11th July, 2023.

Dr. Garima Khare - Delivered an invited talk at the "International Symposium cum CME: Novel insights into pathogenesis of Tuberculosis for the development of Vaccines, Diagnostics and Therapeutics" organized by Department of Zoology, Miranda House, University of Delhi and Indian Immunology Society held on 4th May, 2023.

Dr. Garima Khare - Attended 5th Biogroup-India Meeting held at JNCASR, Bangalore, 17th – 18th July 2023

2. Books/ Patents/ Technology Transfer/ Industrial Collaboration

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3. Seminars/ Conferences/ Workshops Organized

Seminar

A talk entitled, "**Drug repositioning/repurposing: Promising strategy to develop therapy against viral infections**" by Dr Anirban Basu, Senior Scientist at National Brain Research Center, Manesar, Haryana on 24th June 2023 at 2.30 PM at the Auditorium in the Biotech building.

Workshop

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Targets (For Academic Departments: Academic activities and Research)

Publications

Bandyopadhyaya, S., Yadav, P., Sharma, A., Dey, S.K., **Nag, A.**, Maheshwari, R., Ford, B.M. and Mandal, C.C. (2023). Oncogenic role of an uncharacterized cold-induced zinc finger protein 726 in breast cancer. *Journal of Cellular Biochemistry*, **2023** (in Press).

Atri, Y., Bharti, H., Sahani, N., Sarkar, D.P., **Nag, A.** (2023). CUL4A silencing attenuate cervical carcinogenesis and improves Cisplatin sensitivity. Mol Cell Biochem. 2023 Jun 7. doi: 10.1007/s11010-023-04776-2.

Ojha, R., Chand, K., Vellingiri, B., **Prajapati, V.K.*** (2023). Cloning, expression and *in vitro* validation of chimeric multi epitope vaccine candidate against visceral leishmaniasis infection. June 2023, 15;323:121689. doi- 10.1016/j.lfs.2023.121689. Life Sciences.

Singh, S., Rao, A., Mishra, A., Mishra, A., **Prajapati, V.K.*** (2023). Multifaceted mutational immunotherapeutic approach to design therapeutic mAbs to combat monkeypox disease via integrated screening algorithms and antibody engineering. Molecular Systems Design & Engineering; June 2023, doi- [10.1039/D3ME00059A](https://doi.org/10.1039/D3ME00059A).

Iyer, M., Anand, U., Thiruvankataswamy, S., Babu, H.W.S., Narayanasamy, A., **Prajapati, V.K.**, Tiwari, C.K., Gopalakrishnan, A.V., Bontempi, E., Sonne, C., Barceló, D., Vellingiri, B. (2023). [A review of chromium \(Cr\) epigenetic toxicity and health hazards](#). Science of Total Environment. 2023 Jul 15;882:163483. doi: 10.1016/j.scitotenv.2023.163483.

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