

NAME	Sudeep Bose		
DESIGNATION	Associate Professor		
EMAIL ID	Sbose1@amity.edu		
CONTACT NUMBER			
RESEARCH INTERESTS	Cancer Therapeutics, Molecular Diagnostics, Biomarkers		
EDUCATIONAL QUALIFICATIONS:			
Name of College / University	Degree	Year	
Banaras Hindu University (BHU)	PhD	2000	
BHU	M Sc	1995	
BHU	B Sc	1991	
Title of Ph.D. thesis:			
EXPERIENCE (in chronological order): Total 20 Years Research & Teaching			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
DBT Post Doctoral Training	Research in Protein Engineering	Bose Institute	2000-2001
Research Associate	Research in Protein Engineering	Boston University USA	2001-2002
Post Doctoral Fellow	Posttranscriptional Regulation of oncogene expression in cancer	Medical University of South Carolina, USA	2002-2005
Post Doctoral Fellow	Transcriptional Regulation of genes in Prostrate Cancer	Medical University of South Carolina, USA	2005-2007
Research Scientist-I	Transcriptional Regulation of GnRH and Prolactin Hormones	Medical University of South Carolina, USA	2008-2010
Staff Scientist	Cancer Therapeutics	Medical University of South Carolina, USA	2011-2012
Associate Professor	Teaching	Amity Institute of Biotechnology, Amity University, Noida	2012- Till
No. of Ph.D. students supervised		1	
No. of Post-Doc		-	
No. of M.Tech. Students supervised:		5	
No. of B.Tech. Students supervised:		5	

PUBLICATIONS

(mention total no. here)

30

Details:

1. Sartaj Khurana, Shivani Sharda, Biswajit Saha, Sachin Kumar, Randeep Guleria & **Sudeep Bose**, Canvassing the aetiology, prognosis and molecular signatures of obstructive sleep apnoea, *Biomarkers*, 2019 Feb;24(1):1-16.
2. Sartaj Khurana, Sachin Kumar, Randeep Guleria, Sangeeta Choudhury, Vikas Gaur, Biswajit Saha and **Sudeep Bose** Molecular Signatures of MicroRNA in Obesity Associated Obstructive Sleep Apnea in Middle-Aged Adults :*International Journal of Medical Research & Health Sciences (IJMRHS)* 2019, 8(11): 57-66 ISSN: 2319-5886
3. Sartaj Khurana, Kamran Waidha, Randeep Guleria, Shivani Sharda and **Sudeep Bose** 2020. In-silico investigations on selective miRNA-gene targets and their validation studies in OSA patient cohorts *Computational Biology and Chemistry* Available online 18 April 2020, 107264
4. Shweta Mahant, Amlan Chakraborty, Anup Som, Kunal Das, Valentina Gehlot, Rajashree Das **Sudeep Bose** Death triad” Model Decides the Fate of Helicobacter pylori Infected Cell for Inflammation or Cancer. *Current Microbiology*.
5. Minamisawa, M.; Suzumura, T.; **Bose, S.**; Tani, T.; Kawai, G.; Suzuki, K.; Yamaguchi, A.; Yamanaka, S. Effect of Yuzu (Citrus junos) Seed Limonoids and Spermine on Intestinal Microbiota and Hypothalamic Tissue in the Sandhoff Disease Mouse Model. *Med. Sci.* 2021, 9, 17. <https://doi.org/10.3390/medsci9010017>
6. Shrishty Bakshi, Samridhi Mehta, Tushar Kumeria, Sangeeta Choudhury, **Sudeep Bose**,* and Ranu Nayak* Rapid uniform immobilization and picomolar detection of proteins using hyper-branched nanostructured gold sensing electrode; *Sensors & Actuators: B. Chemical* 326 (2021) 128803 (Elsevier) IF 7.1
7. Singh G, Bakshi S, Bandyopadhyay Singh K, Nalabotla R, Koo KM, **Bose S**, Nayak R, Shiddiky MJ. Separation of distinct exosome subpopulations: isolation and characterization approaches and their associated challenges. *Analyst*. 2021.
8. Mahant S, Mehra S, Chhawchharia A, Karmakar BC, Paul S, Mukhopadhyay AK, **Bose S**,* Das K, Das R. Prevalence of tumor necrosis factor alpha inducing protein (tipα) gene of Helicobacter pylori and its association with upper gastrointestinal diseases in India. *3 Biotech*. 2021 May;11(5):1-7.
9. Mehta, S., Bakshi, S., Choudhury, S., **Bose, S.** and Nayak, R., 2021. Hierarchical gold nanostructures based sensor for sensitive and fast detection of cancer biomarker. *Indian J Biochem and Biophysics*

PATENTS (total no.)

1

Details: DNA Based Biosensor for Breast Cancer Biomarkers detection

RESEARCH PROJECTS

Completed: (total no.) 3

Ongoing: (total no.) 1

Details: Multiple protein biomarker detection platform for breast cancer using quantum dots on a needle shaped nanostructured gold array

	<p>□ <i>Role of Helicobacter pylori Tumour Necrosis Factor alpha (Tip alpha) in gastroduodenal Diseases including gastric cancer</i></p> <p>□ <i>Investigating the utility of MicroRNAs as biomarkers of Obstructive Sleep Apnea</i></p> <p><i>Photonic Viropscopy Harnessing Light on chip for precise SARS-COV2 Diagnosis (Indo-Australia Joint DST Project)</i></p>
<p>AWARDS & HONOURS/ DISTINCTIONS</p>	<p>Details: 1. Principal Investigator Award: Funding Agency: Center for Health Disparities Research, MUSC Title of project: Analysis of Angiotensin Type1 receptor signaling in PAX2 Expression in Prostate Cancer</p> <p>2. Visiting Scientist Fellowship: Visited Chiba Institute of Technology, Japan Jan 2018 to March 2018.</p> <p>3. Invited Guest Lecture : Invitation as distinguished speaker in ICFPAM 2019, Centre for Ionics University of Malaya (CIUM) Department of Physics, University of Malaya 50603 Kuala Lumpur, Malaysia</p>
<p>MEMBERSHIP with Professional/ Academic bodies</p>	<p>Details: <i>Indian Science Congress</i></p>