



VIDYASAGAR COLLEGE

39 SANKAR GHOSH LANE
KOLKATA

1	Name	ANKUR BHOWAL		
2	Designation	ASSISTANT PROFESSOR		
3	Mail ID	ank.bho@gmail.com		
4	Contact No	9830069346		
5	Date of Joining	02.01.2015		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D	ZOOLOGY	University of Calcutta	2016
	M.sc	ZOOLOGY	University of Calcutta	2007
	B.Sc	ZOOLOGY	University of Calcutta	2005
PH.D. DETAILS				
7	Title of the Thesis	Differential Gene Expression Analysis and Genetic Association Studies In Benign and Malignant Prostate Tissues		
	Field of specialization under subject/ discipline	Molecular Oncology		
8	PREVIOUS POSITIONS/Engagement	Research Fellow: Joined as UGC-JRF (CSIR-UGC-NET)in the Department of Zoology, University of Calcutta, Kolkata.(Reference: UGC/782/Jr. Fellow(Sc.), 2nd Nov, 2007 (13.11.2007 to 13.11.12) Consolidated Fellowship under UGC Scheme (JRF &SRF)		
10	ORCID ID	0000-0003-2432-5515		
11	HONOURS AND AWARDS	1 st Class, 7 th B.Sc (2005, CU), UGC-JRF (2006), CSIR-JRF (2007)		
12	CURRENT RESEARCH PROJECT/Field of Research	1. Urban Ecology (Chiropteran Bioacoustics, Avian Ecology, Urban Pollination Models, Habitat Assessment) 2. Transcriptomics (Meta-Analysis of Disease Models)		
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	<ul style="list-style-type: none"> Agarose gel electrophoresis, Spectrophotometer, Laminar Airflow, Microtomy, Immunohistochemistry, Cell Culture (Human Cell Line), SDS-PAGE, Western Blot, PCR, RT-PCR, Transcriptomics analysis (Microarray data and Bioinformatics Pipeline), R/R Studio modules (Bioinformatics and Statistical), Graph Pad Prism Image Processing and analysis (Image-J and PS) , Animal movement Tracking through video Sound Analysis Software (Specialised software for Chiropteran vocalization: RAVEN-PRO, Kaleidoscope), Deploying passive sound recorder: Audiomoth), Active sound recorder, Heterodyne QGIS (Land Use, LST/UHI) Digital scientific,Biological Drawing/diagram (Photoshop, Corel Draw, Adobe illustrator, Clip Studio) 		
14	SUMMARY OF RESEARCH EXPERIENCE	1. Molecular Oncology (Human Prostate Cancer, Human Model, Transcriptomics) 2.Chiropteran Bioacoustics 3.Avian Ecology and effect of Urban Factor and Microclimatic impact 4. Urban Weed pollination and ecological function 5.GIS based Migratory bird habitat assessment		

15	EXPERIENCE OF PROJECT MANAGEMENT	Project Coordinator (BOOST), Grant amount: Rs. 3000000/-
16	COMPLETE LIST OF PUBLICATIONS	<p style="text-align: center;">SCIENTIFIC PUBLICATIONS</p> <ul style="list-style-type: none"> • Bhowal, A., Majumder, S., Ghosh, S., Basu, S., Sen, D., Roychowdhury, S., Sengupta, S. and Chatterji, U., 2017. Pathway-based expression profiling of benign prostatic hyperplasia and prostate cancer delineates an immunophilin molecule associated with cancer progression. Scientific reports, 7(1), pp.1-13. • Basu, S., Majumder, S., Bhowal, A., Ghosh, A., Naskar, S., Nandy, S., Mukherjee, S., Sinha, R.K., Basu, K., Karmakar, D. and Banerjee, S., 2015. A study of molecular signals deregulating mismatch repair genes in prostate cancer compared to benign prostatic hyperplasia. PLoS One, 10(5), p.e0125560. • Majumder, S., Bhowal, A., Basu, S., Mukherjee, P., Chatterji, U. and Sengupta, S., 2016. Deregulated E2F5/p38/SMAD3 Circuitry Reinforces the Pro-Tumorigenic Switch of TGFβ Signaling in Prostate Cancer. Journal of cellular physiology, 231(11), pp.2482-2492. • Roy US, Bhowal, A. Identifying causal genes for Amyotrophic Lateral Sclerosis (ALS) by Meta Analysis of Gene Expression Data, International Journal of Engineering, Science and Mathematics, Vol. 7 Special Issue 4(3), April 2018 ISSN: 2320-0294, 80-83 <p style="text-align: center;">Text Books</p> <ol style="list-style-type: none"> 1. Zoology In Laboratory (Vol-I)-Sem-III &IV(Hons), Santra Pub, ISBN: 978-81-948683-1-3 2. Zoology In Laboratory (Vol-II)-Sem-III &IV(Hons), Santra Pub, ISBN: 978-93-92426-17-0 3. Snatak Porikshagare Pranividya Sem 1-IV Santra Pub, 978-93-92426-29-2 <p style="text-align: center;">Illustration</p> <p style="text-align: center;">Cover, Proceedings of the Zoological Society, Volume 76, Sept, 2023, Springer Nature</p>
17	Extracurricular Activities	Digital art and Illustration (Book Cover/ Scientific Illustration/Logo Design/Comics and Caricature)