



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Mr.	First Name	Irengbam Rocky	Last Name	Mangangcha	Photograph
Designation	Assistant Professor, Department Of Zoology					
Address	Flat No. 1907, N-20, Jaypee Aman, Noida Sector 151, UP					
Phone No. Office						
Residence Mobile	9999802419					
Email	irmangangcha@db.du.ac.in					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.-Pursuing	School of Interdisciplinary Sciences and Technology, Jamia Hamdard University, New Delhi				Since 2017	
M.Res Advanced Genomic and Proteomic Sciences	School of Biosciences, University of Nottingham, United Kingdom				2013	
M.Sc. Zoology	Department of Zoology, University of Delhi, Delhi				2007	
B.Sc. Zoology	Zakir Husain College, University of Delhi, Delhi				2004	
Any other qualification						
Career Profile						
<p>Dec.2008-present (Undergraduate Teaching): Assistant Professor, Department of Zoology, Deshbandhu College, University of Delhi, New Delhi.</p> <p>July 2015-Nov 2017 (Post-graduate Teaching): Guest faculty, Department of Computer Sciences, Jamia Millia Islamia University, New Delhi.</p> <p>2017-Present: Research Scholar, School of Computational and Integrative Sciences, Jawaharlal Nehru University, Delhi.</p> <p>2017-Present: PhD. Research Student, School of Interdisciplinary Sciences and Technology, Jamia Hamdard University, New Delhi</p> <p>Jan. 2013-Sep. 2013: Project student, School of Pharmacy, University of Nottingham, United Kingdom, leading to the MRes Dissertation thesis, "Analysis of the effect of cordycepin on gene expression".</p> <p>Nov.2007 –Dec.2008: Junior Research Fellow, Department of Microbiology, V.P.C.I., University of Delhi, Delhi under the CSIR funded project, "Correlation between genetic polymorphism and homeostasis of Th1- Th2 cytokines in Pulmonary and Extra Pulmonary Tuberculosis".</p>						
Administrative Assignments						
<p>Convenor- Admission Workload and Planning Committee: 2015-16, 2016-17.</p> <p>Co-convenor- Admission Workload and Planning Committee: 2013-14, 2014-15.</p> <p>Liasion Officer (OBC): 2014-2017</p> <p>Observer (OBC): 2014-2017</p>						
Areas of Interest/Specialization						
Bioinformatics-Systems Biology, Computer Aided Drug Designing						

Subjects Taught			
B.Sc. (Hons.) Zoology	Molecular Biology	Cell Biology	Genetics and Genomics
	Biochemistry	Immunology	Medical Zoology
	Computational Biology	Introduction to Medical Diagnostics	Biodiversity I-II
B.Sc. Life Sciences	Introduction to Medical Diagnostics	Molecular Biology	Applied Biology and Biotechnology
	Biodiversity I-II		
M.Sc. Bioinformatics	Computational Methods for Data Analysis	Bioinformatic tools	Computer Aided Drug Designing

Research Guidance
<p>List against each head (If applicable):</p> <ol style="list-style-type: none"> Supervision of awarded Doctoral Thesis Supervision of Doctoral Thesis, under progress Supervision of awarded M.Phil. dissertations Supervision of M.Phil. dissertations, under progress

Publications Profile
<p>List against each head (If applicable) (as Illustrated with examples)</p> <ol style="list-style-type: none"> Books/Monographs (Authored/Edited) Research papers published in Refereed/Peer Reviewed Journals <ol style="list-style-type: none"> Abhimanyu , <u>Irenqbam Rocky Mangangcha</u> , Pankaj Jha , Komal Arora, Mitali Mukerji, Jayant Nagesh Banavaliker ,Indian Genome Variation Consortium, Vani Bramhachari, Bose Mridula, 2011. Differential serum cytokine levels are associated with cytokine gene polymorphisms in north Indians with active pulmonary tuberculosis. <i>Infection, Genetics and Evolution</i> 11 (2011) 1015–1022. Rajesh Sinha, Pooja Singh, Onkar Nath, <u>Irenqbam Rocky Mangangcha</u>, Ajit Kumar, Indrakant K. Singh, Structural and functional insights into putative TAG accumulating hydrolase protein (Rv1179c) of Mycobacterium tuberculosis H37Rv. <i>Gene Reports</i> Volume 13, December 2018, Pages 66-71 Other publications (Edited works, Book reviews, Festschrift volumes, etc.)

Conference Organization/ Presentations
<p>List against each head (If applicable)</p> <ol style="list-style-type: none"> Organization of a Conference: None Participation as Paper/Poster Presenter <p>Poster presented:</p> <ol style="list-style-type: none"> <u>Irenqbam Rocky Mangangcha</u>, Pooja Singh, Indrakant K Singh, Rajesh Sinha. Mycobacterium tuberculosis stress induced proteins as drug targets against tuberculosis. National Conference on Protein Structure and Dynamics in Health and Agriculture, November 3-4, 2017, at Jamia Millia Islamia, New Delhi. <u>Irenqbam Rocky Mangangcha</u>, Pooja Singh, Indrakant K Singh, Rajesh Sinha. Genes involved in lipid metabolism and dormancy as potential drug targets against tuberculosis. 8th Bioinformatics Seminar-cum-hands-on training on "R Language and Drug Development", October 30-31, 2017 at Bioinformatics Infrastructure Facility, Jamia Hamdard, New Delhi. <u>Irenqbam Rocky Mangangcha</u>, Ajay Kumar Arora, Nupur Bhargawa, Nikhil Sharma, Somya Mishra, Arvind Sharma, Manik Gupta, Ankita Madheshiya, Neelam, Manvendra Kumar, Romariya Adhikary, Indrakant Kumar Singh. Association between smoking, drinking of alcohol and lack of physical exercises and mental stress and hypertension in the urban population of North India. <i>Green Chemistry in Environmental Sustainability & Chemical Education</i>" (ICGC-2016) 17-18 November 2016 at Daulat Ram College, University of Delhi, India <u>Irenqbam Rocky Mangangcha</u>, Ajay Kumar Arora, Nupur Bhargawa, Nikhil Sharma, Somya Mishra, Arvind Sharma, Manik Gupta, Ankita Madheshiya, Neelam, Manvendra Kumar, Romariya Adhikary,

Indrakant Kumar Singh. Lack of physical exercises increases the risk for joint pain and other bone related problems in the urban population of North India. Green Chemistry in Environmental Sustainability & Chemical Education” (ICGC-2016) 17-18 November 2016 at Daulat Ram College, University of Delhi, India

5. *Irengbam Rocky Mangangcha, Asma Khurshid, Kate Dudek, Nicholas Burgoyne, Hannah Parker, Graeme J. Thorn, Anne E. Willis and Cornelia H de Moor, “Gene expression profiling of the breast cancer cell line MCF-7 treated with cordycepin”, Translation UK 2013 Conference, hosted by the Centre For Molecular Processing, University of Kent, Canterbury, UK, 4th and 5th July 2013.*
6. *Abhimanyu , Irengbam Rocky Mangangcha , Pankaj Jha , Komal Arora, Mitali Mukerji Jayant Nagesh Banavaliker , Indian Genome Variation Consortium, Vani Bramhachari, Bose Mridula. “Differential serum cytokine levels are associated with cytokine gene polymorphisms in North Indians with active pulmonary tuberculosis” at “Tuberculosis Diagnostics: Innovating to Make an Impact”, Dec 16 and 17, 2010, at ICGEB, New Delhi, India*

Research Projects (Major Grants/Research Collaboration)

Sl. No.	Title of Project	Funding Agency	Amount	Date of sanction and Duration
1.	“The impact of lifestyle change during adolescence on lifestyle chronic Diseases” 2015-16.	University of Delhi	Rs. 4,00,000/-	Oct 2015-Oct 2016

Awards and Distinctions

2012-13: Young Faculty Training Programme Fellowship, University of Delhi, Delhi.
 2012-13: Delhi University Staff Development Scholarship, University of Nottingham, UK.
 2008: Qualified Indian Council of Medical Research-Junior Research Fellowship test (ICMR-JRF), India
 2005-07: University Grant Commission- Centre for Advanced Studies, India (UGC-CAS) National Scholar In Zoology
 2006: Qualified Council of Scientific and Industrial Research-UGC National Eligibility Test for Lectureship (CSIR-NET), India

Association With Professional Bodies

- *Editing*
- *Reviewing*
- *Advisory*
- *Committees and Boards*
- *Memberships*
- *Office Bearer*

Other Activities



Signature of Faculty
Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.