




Faculty Details proforma for DU Web-site

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cc: director@ducc.du.ac.in)**

Title	Dr.	First Name	Aruna	Last Name	Naorem	Photograph
Designation		Assistant Professor				
Address		Department of Genetics Bachhawat Block Basement University of Delhi, South Campus Benito Juarez Road New Delhi- 110021				
Phone No	Office	011-24157336				
	Residence	House No.-7, Type III, Block III, University of Delhi South Campus, New Delhi-110021				
	Mobile					
Email	Web-Page	aruna.naorem@south.du.ac.in				
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Indian Institute of Science, Bangalore, Karnataka			2009	
M.Phil. / M.Tech.		-				
PG		University of Calicut, Kerala			2001	
UG		University of Delhi, Delhi			1999	
Any other qualification		-			-	
Career Profile						
2009 Oct- onwards -		Assistant Professor Department of Genetics University of Delhi, South Campus New Delhi- 110021				
2001-2009 -		Ph. D Microbiology & Cell Biology Indian Institute of Science Bangalore-560012 Karnataka				
Administrative Assignments						
1. Radiation Safety Officer (RSO, Level-1) in the Department		– March 23, 2011- March 31, 2014 September 29, 2014-till date				
2. Resident Tutor Rajiv Gandhi Hostel for Girls University of Delhi, Dhaka Hostel Complex Delhi-110009		- Feb 2012-Feb 2014				
Areas of Interest / Specialization						
Areas of Gene Expression, Gene Regulation at the level of Pol II, bZIP transcription factors, Peptidyl prolyl <i>cis-trans</i> isomerase, Cell cycle regulators						

Subjects Taught
Molecular Biology, Cell Biology & Biochemistry, Developmental Biology (Practical), Biology of Dictyostelium (Optional paper)
Research Guidance
<p><i>List against each head (If applicable)</i></p> <ol style="list-style-type: none"> 1. <i>Supervision of awarded Doctoral Thesis: - (1)</i> 2. <i>Supervision of Doctoral Thesis: (1) Submitted, (3) under progress</i> 3. <i>Supervision of awarded M. Phil dissertations (1)</i> 4. <i>Supervision of M. Phil dissertations, under progress: None</i>
Publications Profile
<p><i>List against each head (If applicable) (as Illustrated with examples)</i></p> <ul style="list-style-type: none"> • <i>Books/Monographs (Authored/Edited) None</i> • <i>Research papers published in Refereed/Peer Reviewed Journals</i> <ul style="list-style-type: none"> • Tanwar, M., Khera, L., Haokip, N., Kaul, R., Naorem, A., and Kateriya, S (2017). Modulation of cyclic nucleotide-mediated cellular signaling and gene expression using photoactivated adenylyl cyclase as an optogenetic tool. <i>Scientific Reports</i>. 2017 Sep 21;7(1):12048. DOI: 10.1038/s41598-017-12162-4. • Haokip, N., Naorem, A. (2017) Functional characterisation of parvulin-type peptidyl prolyl cis-trans isomerase, PinA in <i>Dictyostelium discoideum</i>. <i>Biochem Biophys Res. Commun.</i> 482:208-214. doi: 10.1016/j.bbrc.2016.11.042. Epub 2016 Nov 9. • Kalleda N, Naorem A, Manchikatla RV (2013) Targeting Fungal Genes by Diced siRNAs: A Rapid Tool to Decipher Gene Function in <i>Aspergillus nidulans</i>. <i>PLoS ONE</i> 8(10): e75443. doi: 10.1371/journal.pone.0075443 • Naorem, A and Sadhale, P. P. (2008). Identification and Characterization of DdRpb4, a subunit of <i>Dictyostelium discoideum</i> RNA polymerase II. <i>Biochem. Biophys. Res. Commun.</i> 377(4): 1141-6. • Singh, S.R., Pillai, B., Balakrishnan, B., Naorem, A. and Sadhale, P. P. 2007. Relative levels of RNA polII subunits differentially affect starvation response in budding yeast. <i>Biochem Biophys Res Commun.</i> 356:266–272. • Singh, S. R., Rekha, N., Pillai, B., Singh, V., Naorem, A., Sampath, V., Srinivasan, N. and Sadhale, P. P. 2004. Domainal organization of the lower eukaryotic homologs of the yeast RNA polymerase II core subunit Rpb7 reflects functional conservation. <i>Nucleic Acids Res.</i> 32(1):201-210. <ul style="list-style-type: none"> • <i>Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals</i> • Verma, J., Naorem, A., Kumar, A., Sen, M. and Sadhale, P. P. 2007. RNA polymerase II-The Transcription Machine. <i>Resonance.</i> 12: 47-53. • <i>Research papers published in Refereed/Peer Reviewed Conferences</i> • Sadhale, P. P., Verma, J. and Naorem, A. 2007. Basal transcription machinery: role in regulation of stress response in eukaryotes. <i>Journal of Biosciences.</i> 32:569-578. • <i>Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences</i> NONE • <i>Other publications (Edited works, Book reviews, Festschrift volumes, etc.)</i> NONE
Conference Organization/ Presentations
<p><i>List against each head (If applicable)</i></p> <ol style="list-style-type: none"> 1. <i>Organization of a Conference</i> 2. <i>Participation as Paper/Poster Presenter</i>

- Presented a poster at The Xth Young Investigator Meeting held at Thiruvananthapuram, Kerala during March 5-8, 2018.
- Delivered a talk at Young Scientist Meet held at Department of Biotechnology, University of Calicut, Kerala during Feb 22-23, 2018.
- Attended IISc Alumni Global Conference held at Bangalore, INDIA during June 26-28, 2015
- Attended and delivered a talk at Annual International Dictyostelium Conference held at Potsdam, GERMANY during August 3-7, 2014.
- Attended as one of the organizers at 7th Annual Convention of ABAP & International Conference on Plant Biotechnology, Molecular medicine and Human Health held at New Delhi, INDIA during October 18-20, 2013.
- Presented a poster at The 3rd Young Investigator Meeting Held at Bhubaneswar, INDIA between February 12-16, 2011.
- Presented a poster at The Tenth Asian Conference on Transcription & Transcription Assembly held at Bangalore, INDIA between January 13- 16, 2008.
- Presented a poster at The International Conference on the Biology of Yeasts and Filamentous Fungi held at Pune 2007, INDIA.
- Attended International Symposium on Environmental Factors, Cellular Stress & Evolution held at Varanasi, INDIA 2006.
- Attended 21st International Workshop tRNA-2005 held at Bangalore, INDIA.
- Attended a meeting on International conference on the Biology of Yeast 2005 held at Bangalore, INDIA.
- Presented a poster in a meeting on 10th Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB), 2003 held at Bangalore, INDIA.
- Attended a meeting “XXV All India Cell Biology Conference” held at Bangalore, INDIA in November 2001.

Research Projects (Major Grants/Research Collaboration) (In the last five years)

ONGOING RESEARCH PROJECTS: ONE

1. Elucidate the function of Wee family kinases in *Dictyostelium discoideum* (EMR/2016/002994)- SERB, DST India- Rs.42.24 lakhs for 3 years (2017- 2020)

COMPLETED RESEARCH PROJECTS: TWO

1. Role of bZIP transcription factors in *Dictyostelium discoideum* (Reg. No.- SR/FT/LS-61/2010)- SERB (DST) - Rs.24.60 lakhs for 3 years (July 2012-July 2015)
2. Understanding the function of Peptidyl prolyl cis trans isomerase (PPIase) in *Dictyostelium discoideum* (Ref. No.- SB/EMEQ-203/2013)- SERB, DST India – Rs.44.26 lakhs for 4 years (July 2013 - July 2017)

Awards and Distinctions

- Awarded Travel grant from University of Delhi for participation in Annual International Dictyostelium Conference 2014 at Potsdam, Germany by University of Delhi, INDIA
- Awarded scholarship for pursuing Master’s degree in Biotechnology by the Department of Biotechnology, Government of India
- Awarded Junior and Senior Research Fellowship for pursuing research in life sciences by the Council of Scientific and Industrial Research (CSIR), Government of India

Association With Professional Bodies **None**

1. *Editing*
2. *Reviewing*
3. *Advisory*
4. *Committees and Boards*
5. *Memberships*

6. *Office Bearer*

Other Activities

1. Delivered a lecture on *Dictyostelium discoideum*: a promising model organism at Ramjas College, University of Delhi, on March 9, 2015.
2. Delivered a lecture on “Understanding the cell differentiation in *Dictyostelium discoideum*” at National Science Day during February 27-28, 2015 at University of Delhi South Campus.
3. Delivered Lecture on *Dictyostelium discoideum* at Refresher Course in Life Sciences from January 13th-- February 7th, 2014 at the Academic Staff College, JNU on January 16, 2014.
4. As a Resource person for Star College Project (DBT, GOI) organized by Deptts. of Biochemistry, Botany, Chemistry and Zoology, Daulat Ram College, a lecture and demonstration of *Dictyostelium discoideum* -Life cycle and as a model organism on February 13- 14, 2013.

Signature of Faculty Member

(Signature & Stamp of Head of the Department)