




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

Title	Dr.	First Name	Rubina	Last Name	Chongtham	Photograph
Designation		Assistant Professor (Ad hoc)				
Address		F-1189 (2nd Floor), C.R. Park, New Delhi-110019				
Phone No. Office		-				
Residence		-				
Mobile		9990173504				
Email		Chrubina1@yahoo.co.in				
Web-Page		-				
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Dept. of Botany, University of Delhi			2017	
PG		Dept. of Botany, University of Delhi			2009	
UG		Maitreyi College, University of Delhi			2007	
Any other qualification						
Career Profile						
Organization/Institution		Designation		Duration		Role
Dept. of Botany, Univ. of Delhi		Assistant Professor		Jan, 2017- Dec, 2018		Teaching
Dept. of Botany, Univ. of Delhi		Research Fellow		May, 2010- Dec, 2016		Doctoral research
Dept. of Botany, Univ. of Delhi		JRF		June, 2009- May, 2010		Research
Administrative Assignments						
Areas of Interest/Specialization						
<p>Crop improvement, Genomics and Bioinformatics</p> <p>As part of doctoral research, biotic interaction between <i>Brassica juncea</i> and its pest aphid, <i>Lipaphis erysimi</i>, was studied using in vitro assays and transcriptomic analysis. Potential target genes were selected for an RNAi-based development of transgenic <i>B. juncea</i> resistant to <i>L. erysimi</i>.</p>						
Subjects Taught						
B.Sc. (Hon.)		B.Sc. (P)		AECC/SEC/GE		
Molecular Biology		Ecology & Environmental Management		Plant Ecology & Taxonomy		
Biostatistics		Plant Ecology & Taxonomy		Plant Physiology & Metabolism		
Bioinformatics		Cell & Molecular Biology		Biodiversity (Microbes, Algae, Fungi & Archegoniatae)		

Industrial & Environmental Microbiology	Economic Botany & Biotechnology	Biofertilizer
		Ethnobotany
		Intellectual Property Right
		Environmental Science

Research Guidance

List against each head(If applicable):

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil. dissertations
4. Supervision of M.Phil. dissertations, under progress

Publications Profile

List against each head(If applicable) (as Illustrated with examples)

1. Books/Monographs (Authored/Edited)
2. Research papers
 - a) Research papers published in Refereed/Peer Reviewed Journals
Rubina Chongtham, Sonia Waikhom, Amar Kumar, Shailendra Goel, Manu Agarwal and Arun Jagannath. Evaluation of different hosts and laboratory conditions for rearing of the Mustard Aphid (*Lipaphis Erysimi*) and their use for screening of aphid-resistant transgenic plants of the oilseed crop, *Brassica juncea* (Indian Mustard). Vegetos 30(Special) 2017. Doi: 10.5958/2229-4473.2017.00058.1.
 - b) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
 - c) Research papers published in Refereed/Peer Reviewed Conferences
 - d) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences
3. Other publications (Edited works, Book reviews, Festschrift volumes, etc.)

Conference Organization/ Presentations

List against each head(If applicable)

1. Organization of a Conference: None
2. Participation as Paper/Poster Presenter
 - National workshop on Skill development to build a clean India, June 07-08, 2018. Deshbandhu College, University of Delhi.
D.K. Mallick and **Rubina Chongtham**. Climate change impacts on food security and its mitigation strategies in Indian context. Abstract: p OP8.
 - 2nd International Hemipteran-Plant Interactions Symposium, June 22-25, 2014. University of California, Riverside, CA, USA.
Rubina Chongtham, Vidhi Malik, Gopal Joshi, Manu Agarwal, Amar Kumar, Shailendra Goel and Arun Jagannath. De novo transcriptome of the mustard aphid, *Lipaphis erysimi*. Abstract: p 57.

- International Conference on Plant Biotechnology, Molecular Medicine and Human Health and 7th Annual Convention of ABAP, October 18-20, 2013. University of Delhi South Campus, New Delhi – 110021.
Sonia Waikhom, Jyotsna Singh, Bharat Joshi, **Rubina Chongtham**, Manu Agarwal, Shailendra Goel, Amar Kumar, A.K. Singh and Arun Jagannath. Development of transgenic plants using lectin genes from onion and garlic for introduction of aphid resistance in the oilseed crop, *Brassica juncea* (Indian mustard). Abstract: p 243.

Research Projects (Major Grants/Research Collaboration)

None

Awards and Distinctions

- Qualified for UGC-NET Junior Research Fellowship for undergoing Ph.D., June 2009
- Awarded Summer Research Fellowship by the Indian Academy of Sciences, May- July, 2008.
- Awarded the Prof. K. M. M. Dakshini Commemoration Medal-2007 for securing the highest marks in Ecology in B.Sc. (Hons.) Botany Examination, University of Delhi, 2007
- Manipur State, India post-graduate merit scholarships of the years: 2007-2008 and 2008-2009
- Brajajal Institute of Sciences, Imphal, Manipur (India) merit scholarships in class XI (2001-2002).
- Brajajal Institute of Sciences, Imphal, Manipur (India) merit scholarships in class and XII (2002-2003).
- Awarded the Elangbam Leiren Singh and Ibemhal Devi Memorial Award, 2001, for securing the highest mark in English in the High School Leaving Certificate Examination, 2001.
- Merit award for securing 20th position in the High School Leaving Certificate exam, 2001.

Association With Professional Bodies

- *Editing*
Member of the Editorial Board of the DUBS Botanica journal (2008-2009)
- *Reviewing*
- *Advisory*
- *Committees and Boards*
- *Memberships*
Member of the Delhi University Botanical Society (DUBS)
- *Office Bearer*
Cultural Secretary, Delhi University Botanical Society (DUBS; 2008-2009 & 2009-2010)

Other Activities

- Attended Faculty Development Program on Industrial and Environmental Microbiology, March 19– 20, 2018. Daulat Ram College, University of Delhi.
- Demonstrated and trained meritorious school students in lab techniques as a Resource Person under the “Innovation in Science Pursuit for Inspired Research (INSPIRE)” program, Deshbandhu College, Kalkaji, University of Delhi, 2017.
- Workshop training on Electrical Penetration Graph technique to monitor Hemipteran feeding, June 19-21, 2014. University of California, Riverside, USA.
- OMICS workshop on bioinformatics, June 26, 2014. University of California, Riverside, USA.
- Organized and led students of B.Sc. (H) Botany, IIIrd yr. to Mother Dairy, Patparganj for an industrial visit for the paper Industrial & Environmental Microbiology, 2017.
- Actively involved in the conduct of programmes of the Deshbandhu College Botanical society.
- Active participation in the conduct of Flower Show organised by Delhi University flower show committee, 2008

Dr. Rubina Chongtham

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.