

CURRICULAM VITAE



1. **Name** : **Dr. N. REEHANA**
2. **Date of Birth** : 24.03.1987
3. **Designation** : Assistant Professor
4. **Qualification** : M.Sc., M.Phil., Ph.D
5. **Teaching Experience** : Since August 2015
6. **Official Address** : Assistant Professor of Microbiology
Jamal Mohamed College (*Autonomous*)
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7. **Residential Address** : No: 30/A8, Old Nadar Apartments
North Street, Mannarpuram
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8. **Area of specialization** :
 - Microbial Taxonomy (Conventional and Molecular methods)
 - Computational Biology
 - Molecular Biology

Educational Background

Course	Name of the Institution	Subject	Year of Completion	Percentage / Class
Ph. D	Bharathidasan University, Tiruchirappalli	Microbiology	August, 2015	Highly Commended
M. Phil.,	Bharathidasan University, Tiruchirappalli	Microbiology	August, 2011	86.6 %, CGPA:8.83 I st class, D++
M.Sc.,	Jamal Mohamed College (<i>Autonomous</i>), Tiruchirappalli	Microbiology	April, 2010	85.35% (CGPA:8.7) I st class, D++
B.Sc.,	A.V.C College (<i>Autonomous</i>), Mayiladuthurai	Microbiology	April, 2007	86 % I st class, Distinction

Area of Research at Post Graduate & Doctorate

Degree	Title of Thesis/Dissertation	Research Supervisor
M.Sc (2008-2010)	Partial characterization of phycocyanin gene from cyanobacteria – <i>Oscillatoriasalina</i> NTDM51 and <i>Oscillatoriachlorina</i> NTDM56	Dr.N.Thajuddin
M.Phil (2010-2011)	Sequence based Structural and Phylogenetic Analysis of C- <i>Phycocyanin</i> gene from Cyanobacteria	Dr.N.Thajuddin
Ph.D. (2012-2015)	Purification, Characterization and Applications of Cyanobacterial Phycocyanin Pigment	Dr.N.Thajuddin

Research Experience

Institution	Position	Funding agency	Total Period
Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	Junior Research Fellow (JRF)	University Grants Commission(UGC)-Maulana Azad National Fellowship (MANF), Govt.of India	2010-2012 (2 years)
Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024	Senior Research Fellow (SRF)	University Grants Commission(UGC)-Maulana Azad National Fellowship (MANF), Govt.of India	2012-2015 (3 years)

Publications

1. **N. Reehana**, A. ParveezAhamed, D. Mubarak Ali, A. Suresh. R. Arvind Kumar and N. Thajuddin. 2013. Structure based computational analysis and molecular phylogeny of C-phycocyanin gene from the Selected Cyanobacteria. *International Journal of Biological, Life Science and Engineering.*, 7 (1): 1170-1174.
2. **N. Reehana**, A. ParveezAhamed and N. Thajuddin. 2013. Phylogenetic characterization and homology modeling of C-Phycocyanin gene from *Oscillatorianigroviridis* NTRI01. *Phykos.*, 43 (1): 39-45.
3. **N. Reehana**, A. ParveezAhamed and N. Thajuddin. 2012. In vitro studies on bactericidal effect of selected cyanobacteria against bacterial pathogens. *International Journal of Medicobiological Research.*, 1(7): 345-347.
4. M. Mohamed Imran, **N. Reehana**, G. Muralitharan and N. Thajuddin. 2014. Molecular phylogeny and *in silico* analysis of 18S rRNA genes from selected microalgal cultures. *Seaweed Research Utilization Journal.*, 36(1&2):126-135.
5. M. Mohamed Imran and **N. Reehana**. 2011. Animal feed utilization using anaerobic microbial flora in cattles. *Journal of Pure and Applied Microbiology.*, 5(2):769-774.

Awards/ Honours

1. Awarded with **Maulana Azad National Fellowship** (MANF) for the year 2010 -11 by **University Grants Commission** (UGC), Govt.of India, New Delhi (Ref.No: F1-17.1/2010/MANF-MUS-TAM-4822/SA-III/Website dated 22 September 2011).

(Best poster: 2; Best paper: 3)

1. Received the **Best poster award** for the paper entitled “*Optimization and characterization of scytonemin produced by OscillatoriaboryanaNTRI09 and GeitlerinemapseudacutissimumNTRI18*” held on November 15th - 17th , 2013 at VisvaBharathi (A Central University), Santiniketan, West Bengal.
2. Received the **Best poster award** for the paper entitled “*Various environmental Stress conditions for the production of mycosporin like aminoacids by OscillatoriaboryanaNTRI12*” held on September 5th& 6th, 2013 at the Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamilnadu.
3. Received the **Best paper award** to the paper entitled “*Biodiversity of microalgae in the Puliyanthangal lake of Ranipet of Tamil Nadu (India)*” held on July 20th – 21st, 2013 at National Academy of Biological Sciences (NABS) jointly with the Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamilnadu.
4. Received the **Best paper award** to the paper entitled “*Phylogenetic characterization and homology modeling of C-Phycocyanin gene from OscillatorianigroviridisNTRI01*” held on March 25th – 26th, 2013 at Punjabi University, Patiala, Punjab, India.
5. Received the **Best paper award** to the paper entitled “*Bio and chemical synthesis of nanoparticles and antimicrobial activity against isolated plant pathogens*” held on February 9th& 10th, 2011 at Dr. ZakirHussain College, Ilayangudi – 630 702 jointly with Ganapathy College of Engineering, Paramakudi.
6. Awarded with **second prize for proficiency in Microbiology** for the year 2010 – 11 by Jamal Mohamed College (*Autonomous*), Tiruchirappalli.
7. Awarded with **special award as joint secretary** for proficiency in department activities in Microbiology for the year 2008-2009 by Jamal Mohamed College (*Autonomous*), Tiruchirappalli.

Papers & Posters Presented at National & International Conferences

1. Presented a research poster entitled “*Molecular phylogenetic and computational analysis of C-phycocyanin gene from cyanobacterium PhormidiumrubroterricolaNTRI02*” held on March 26th & 27th, 2012 at Alagappa University, Karaikudi, Tamilnadu, India.

2. Presented a paper entitled "***Extraction and Estimation of Phycobiliprotein from Cyanobacteria Oscillatoriasalina NTDM51 and Oscillatoriachlorina NTDM56***" held on 17th March 2012 at Jamal Mohamed College, Tiruchirappalli, Tamilnadu, India.
3. Presented a paper entitled "***Sequence based insilico analysis of C-phycoyanin gene from the cyanobacterium Oscillatoriasalina NTDM51***" held on February 17th& 18th, 2012 at Cauvery College for Women, Tiruchirappalli jointly with the Department of Microbiology, Bharathidasan University.
4. Presented a paper entitled "***Structural analysis of C-phycoyanin gene from the selected Cyanobacteria***" held on July 7th- 9th, 2011 at Queen Mary's College, Chennai, Tamilnadu.
5. Presented a research poster entitled "***Scientific validation of medicinal plants***" held on January 24th& 25th, 2009 at SrimadAndavan Arts & Science College, Tiruchirappalli, Tamilnadu, India.
6. Presented a research poster entitled "***Evaluating the prevalence of syphilic associated with pregnant women and other individual***" held on September 19th, 2006 at Bishop Heber College, Tiruchirappalli, Tamilnadu, India.

Workshops & Trainings Attended

1. Participated ten days hands on training workshop on "***Techniques in Animal Cell Culture and In Vitro Toxicology***" held on April 1st - 10th, 2014 at Mahatma Gandhi-Doerenkamp Center (MGDC), Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
2. Participated a one day workshop on "***DNA Finger Printing***" held on December 11th, 2013 at Government Arts College for Women (*Autonomous*), Pudukkottai, Tamilnadu, India.
3. Participated a six days workshop on "***Short term training programme in HPLC, GC, and AAS***" held on January 5th -10th, 2013 at VIT University, Vellore, Tamilnadu, India.
4. Participated a three days workshop on "***DNA Barcoding of Fish and Marine Life-Molecular Analysis and Bioinformatics Approaches (FISHCODE 2012)***" held on September 12th – 14th, 2012 at Department of Marine Science, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
5. Participated two days workshop on "***Hands on training programme on PCR, 2D PAGE, Gel documentation and Nikon photo Microscopy***" held on September 24th& 25th, 2009 at Jamal Mohamed College (*Autonomous*), Tiruchirappalli, Tamilnadu, India.