

Dr. E. NEELAMATHI, M.Sc., M.Phil., PGDCA., Ph.D.,

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I. General Information

Name : **Dr. E. NEELAMATHI**

Date of Birth : 10th January 1983

Father's name : Mr. M. Eswaran, M.A.,

Nationality & Religion : Indian & Hindu

Community : Backward Class

Address : w/o Mr. M. Ramkumar,
22, Surya Nagar,
A. Sangampalayam Post,
Kovai road,
Pollachi-642 002, Coimbatore- Dt.,

II. Academic qualification:

Degree	Year	Institution/ University	Class/Marks scored
Ph.D., Botany	2013	NGM College, Pollachi (Bharathiar University)	First class Highly Commended
M.Phil., Botany	2008	NGM College, Pollachi (Bharathiar University)	First class Highly Commended
M.Sc., Plant science	2005	Bharathiar University, Coimbatore	86.61% I Rank in University
B.Sc., Botany	2003	NGM College, Pollachi (Bharathiar University)	92.64% I Rank in College
<i>Additional degrees</i>			
P.G.D.C.A.	2008	Bharathiar University, Coimbatore	76% First class

- Qualified in **State Eligibility Test (SET)** for Lectureship conducted by Bharathiar University on December 2008.
- Recognized as research guide by the Bharathiar University to guide M.Phil. and Ph.D. scholars in Botany.

III. Awards and Honors:

- Secured I rank and awarded gold medal in M.Sc. Plant Science Examination of Bharathiar University during 2005.
- Received Dr. K. M. Marimuthu Endowment gold medal for first rank in M.Sc. Plant science.
- Secured I rank and awarded Akash gold medal in B.Sc. Botany Examination of N.G.M. College during 2003.

IV. Membership in Professional bodies

1. Chairman, Board of studies, PG Department of Botany, NGM College, Pollachi.
2. Member - Academic council, NGM College, Pollachi.
3. Examiner (Theory/Practical) in Central Valuation Programme - Bharathiar University.
4. Membership- International Advanced Research Journal in Science, Engineering and Technology

V. Academic/Research experience

Teaching: 12 years;

Research: 12 years.

ii) Research experience:

a) *By project*

1. A major project on “**Cataloguing by DNA barcoding the ethnic herbs from the Gopalswami hills of Anaimalais, Western Ghats**” has been accepted by the Department of Science and Technology, Government of India - Women Scientist Scheme - A (**Project estimate - Rupees 27.5 Lakhs**).
2. Worked in the field of Molecular Biology and Bioinformatics for the award of Ph.D. degree in Botany. (Thesis title: “**Molecular characterization and phylogenomics of bioactive seaweeds from the Gulf of Mannar, India**”).
3. Worked in the field of Bioinformatics for the award of M.Phil. degree in Botany (Thesis title: (Thesis title: “**Phylogenomic studies of seaweeds using rRNA partial sequences**”)
4. Worked on plant tissue culture during the Post graduate programme and submitted a dissertation titled “**Propagation of *Ceropegia barnesii* Bruce et Chatterjee through encapsulated nodal explants**”

b) By research guidance

1. M.Phil. Botany - Guiding - 2.
2. M.Sc., Projects Completed - 8

c) By publications

1. **Neelamathi, E.**, (2005) "Conservation and propagation of medicinal plants – an experience with *Ceropegia* Species" Proc. National conference on "Medicinal plant chemistry" held at Nallamuthu Gounder Mahalingam College, Pollachi on 23rd and 24th September 2005 (Abstract).
2. **Neelamathi, E.**, (2005) "Phylogenetic relationships of rice chloroplast rRNA- an analysis using Quick Phylogeny software" Proc. International conference on "Biotechnology- Promises and Realities", held at PSGR Krishnammal College for Women, Coimbatore on 14th and 15th July 2006 (Abstract).
3. **Neelamathi, E.**, (2005) "Recent trends in the development of inoculum carriers for biofertilizers" Proc. International conference on "Biotechnology- Promises and Realities", held at PSGR Krishnammal College for Women, Coimbatore on 14th and 15th July 2006 (Abstract).
4. **Neelamathi, E.**, (2009) "Phylogenomic studies of seaweeds using rRNA partial sequences" Proc. International colloquium on "Emerging biotechnologies in agriculture, animal health and productivity" held at Alagappa University, Karaikudi on 22th and 26th February 2009.
5. **Neelamathi, E.**, Vasumathi, E., Bagyalakshmi, S. and Kannan, R., (2009). In silico prediction of structure and functional aspects of a hypothetical protein of *Neurospora crassa*, *J. Cell Tis. Res.* 9(3):1889-1894.
6. **Neelamathi, E.**, Alagendran S., Miller Samson, S. and Anusha, R. (2009). Propagation and conservation of an endangered plant *Ceropegia barnesii* Burce et Chatterjee through encapsulated nodal explants. *Eco-Chronicle* 4(1): 07-11.
7. **Neelamathi, E.** and Kannan, R. (2010). Phylogenomics of selected rhodophycean seaweeds inferred from 18s rRNA partial sequences, *Advanced Biotech.*
8. **Neelamathi, E.**, (2009). "In silico prediction of structural and functional aspects of hypothetical protein of *Mentha piperita*." Proc. State level seminar on "Herbal remedies and resources" held at Nallamuthu Gounder Mahalingam College, Pollachi on 19th September 2010.
9. Kannan R., Remia K.M. and **Neelamathi E.** (2012). "Ethics for excellence in scientific research". Proc. National level seminar on "Academic excellence through quality sustenance and enhancement" held at Nallamuthu Gounder Mahalingam College, Pollachi on 17th and 18th August 2012.

10. **Neelamathi, E.**, and R. Kannan, (2012). Molecular characterization and phylogenomics of bioactive seaweed – *Turbinaria ornata* from the Gulf of Mannar, India. *Gen Bank, NCBI, Accession No. JX218044*.
11. Dhanalakshmi, V., K.Shanthi, S.Mariselvi, **E.Neelamathi**, (2012). Phytoremediation of an eutropic pond Krishnan anaikattu kulam of pollachi town by *Vetiveria Zizanioides L. Environmental Science – An Ind. J.*, 7, (1): 5-9.
12. Ramya R., **Neelamathi, E.**, and R. Kannan, (2014). Species discrimination by DNA barcoding in the members of the Nyctaginaceae family. *Gen Bank, NCBI, Accession No. KJ174289.1*
13. **Neelamathi, E.** and R. Kannan (2016). Screening and Characterization of Bioactive Compounds of *Turbinaria ornata* from the Gulf of Mannar, India. *American-Eurasian J. Agric. & Environ. Sci.*, 16 (2): 243-251.
14. **Neelamathi, E.** and R. Kannan (2016). Molecular Phylogeny of *Turbinaria ornata* (Turner) J. Agardh. *International Advanced Research Journal in Science, Engineering and Technology. Vol. 3*, Issue 3: 7-13.

d) By paper presentations

1. **Neelamathi, E.**, “Conservation and propagation of medicinal plants – an experience with *Ceropegia* Species” Proc. National conference on “Medicinal plant chemistry” held at Nallamuthu Gounder Mahalingam College, Pollachi on 23rd and 24th September 2005.
2. **Neelamathi, E.**, “Vegetable oils- alternative renewable fuel” Proc. National level seminar on “Non-conventional energy resources of biological origin” held at PSGR Krishnammal College for Women, Coimbatore on 7th December 2005
3. **Neelamathi, E.**, “Phylogenetic relationships of rice chloroplast rRNA- an analysis using Quick Phylogeny software” Proc. International conference on “Biotechnology- Promises and Realities”, held at PSGR Krishnammal College for Women, Coimbatore on 14th and 15th July 2006.
4. **Neelamathi, E.**, “Recent trends in the development of inoculum carriers for biofertilizers” Proc. International conference on “Biotechnology- Promises and Realities”, held at PSGR Krishnammal College for Women, Coimbatore on 14th and 15th July 2006.
5. **Neelamathi, E.**, “Microalgae- a nutritive feed for aqua farming” Proc. National conference on “Food Biotechnology” held at Karpagam Arts and Science College, Coimbatore on 28th and 29th September 2006.
6. **Neelamathi, E.**, “Ecotourism” Proc. National conference on “Perspectives of Indian tourism industry” held at Nallamuthu Gounder Mahalingam College, Pollachi on 24th and 25th January 2007.

7. **Neelamathi, E.**, “Phylogenomic studies of seaweeds using rRNA partial sequences” Proc. International colloquium on “Emerging biotechnologies in agriculture, animal health and productivity” held at Alagappa University, Karaikudi on 22th and 26th February 2009.
8. **Neelamathi, E.**, “Insilico prediction of structural and functional aspects of hypothetical protein of *Mentha piperita*.” Proc. State level seminar on “Herbal remedies and resources” held at Nallamuthu Gounder Mahalingam College, Pollachi on 19th September 2010.
9. Kannan R., Remia K.M. and **Neelamathi E.** “Ethics for excellence in scientific research”. Proc. National level seminar on “Academic excellence through quality sustenance and enhancement” held at Nallamuthu Gounder Mahalingam College, Pollachi on 17th and 18th August 2012.

e) By participation in seminar/symposia/ workshop/ conference

1. Participated in the workshop on “Restoration of Noyyal river basin” organised by the Department of Environmental sciences, Bharathiar University, Coimbatore- 46, on 28th March 2005.
2. Participated in the National conference on “Medicinal plant chemistry” held at Nallamuthu Gounder Mahalingam College, Pollachi-01 on 23rd and 24th September 2005.
3. Participated in the National level seminar on “Non-conventional energy resources of biological origin” held at PSGR Krishnammal College for Women, Coimbatore-41, on 7th December 2005.
4. Participated in the workshop on “Environment and Pollution” held at Nallamuthu Gounder Mahalingam College, Pollachi-01 on 25th March 2006 and organised by Rotary club of Pollachi under the aegis of Rotary International District 3200.
5. Participated in the International conference on “Biotechnology- Promises and Realities” organised by PSGR Krishnammal College for Women, Coimbatore- 41 held on 14th and 15th July 2006.
6. Participated in the one-day workshop on “Bio-informatics” organised by the P.G.Department of Computer applications, Nallamuthu Gounder Mahalingam College, Pollachi-01 on 21st September 2006.
7. Participated in the two-day National conference on “Food Biotechnology” organised by Karpagam Arts and Science College, Coimbatore-24, on 28th and 29th September 2006.

8. Participated in the National seminar on “Thondaradi Podialwar Pasurams” organized by the Department of Tamil, NGM College, Pollachi on 20th and 21st December 2006.
9. Participated in the UGC sponsored National seminar on “Perspectives of Indian Tourism Industry” organized by the Department of History, NGM College on 24th and 25th January 2007.
10. Participated in the National seminar on “Dravida Mozhikalin Kavithaiyial” organized by Department of Tamil Literature, NGM College and New Delhi Sahithiya Academy on 29th and 30th January 2007.
11. Participated in the state level workshop on Tools in Bioinformatics and Drug designing, at K.G. College of Arts and Science, Coimbatore on 7th & 8th August 2008.
12. Participated in the State level seminar cum exhibition on “Herbal resources and Remedies” organized by Department of Botany, NGM College on 3rd September 2009.
13. Participated in the national level seminar on Climate change organized by the Department of Botany, Holy Cross College, Trichy on 25th and 26th February 2011.
14. Participated and presented a paper in the National level seminar on “Academic excellence through quality sustenance and enhancement” held at Nallamuthu Gounder Mahalingam College, Pollachi on 17th and 18th August 2012.
15. Participated in the UGC sponsored State level workshop cum handson training on Vermitech- 14 organised by Department of Zoology, NGM College on 14th August 2014.
16. Participated in National level seminar on “Role of teachers in promoting green and clean India” organized by Lisieux B.Ed College and LIMS, Coimbatore on 27th January 2015.
17. Participated in One day National seminar on “Recent Advances in Nanotechnology and its Biological applications” organized by Department of Biotechnology, Faculty of Engineering held at Karpagam University on 8th September, 2016.
18. Participated in UGC sponsored one day National workshop on “Recent trends and advances in Biocomposting” organized by Department of Zoology, NGM College on 23rd December 2016.
19. Participated in the One day National level thematic workshop on “Biodiversity conservation issues and challenges” organized by the Department of Zoology, NGM College, Pollachi held on 21st February 2017.
20. Participated in the One day workshop on “Organic terrace gardening” organised by the Department of Botany, NGM College, Pollachi on March 1st 2017.
21. Participated in National Conference on “Recent innovations in Greener Nanotechnology” organized by PG Department of Chemistry, NGM College on 21st July 2017.

f) By Organizing Seminars and Workshops

1. Organized UGC sponsored National seminar on “Climate change” in the Department of Botany, Holy Cross College, Trichy on 25th and 26th February 2011.
2. Organized “In house workshop and hands-on training in Plant Biotechnology” on 10th March 2016 at PG and Research Department of Botany, NGM College, Pollachi.
3. Organized a One day workshop on “SPSS - Applications in Biostatistics” on 04th October 2016 at PG and Research Department of Botany, NGM College, Pollachi.
4. Organized Training cum workshop on “Basic Techniques in Botany” on 15th March 2017 at PG and Research Department of Botany, NGM College, Pollachi.

g) By publishing Books

1. Latha Isabel M., A. Logamadevi, K. Rajalakshmi, **E. Neelamathi** and R. Rakkimuthu. (2016). A Compendium of NGM College Campus Flora, Infospringer Publishing Co., www.infospringer.co.uk, ISBN 978-81-931646-9-3.

V. Participation in faculty development/ extension programmes

1. Attended the three days personality development course organized by the Department of Human Excellence, NGM College from 24th to 26th July 2006 held at Temple of Consiousness, Arutperumjothi nagar, Aliyar.
2. Completed “Kaya kalpa” course conducted by “The world community service center”, Chennai held at Arutperumjothi nagar on 25th July 2006.
3. Participated in the Faculty development programme “Towards better teaching” jointly organised by Nallamuthu Gounder Mahalingam College, Pollachi-01 and UGC Academic Staff College, Bharathiar University on 30th September 2006 at Nallamuthu Gounder Mahalingam College, Pollachi.
4. Actively participated in the training on “Plant taxonomy” at Institute of Forest Genetics and Tree Breeding, Coimbatore sponsored by Ministry of Environment, Forest and Climate change, Govt of India, New Delhi from 4th to 6th March 2015.
5. Participated in Faculty development programme on “Man making education” organized by Swami Vivekanandha Study Circle, Kongunadu Arts and Science College, Coimbatore on 4th July 2015.