

Jimtha John C.

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Academic Profile :

- ✓ **SSLC** from St.Clare's Convent Girl's High School, Thrissur in the year 1997 with **84%** marks
- ✓ **Free degree** from St. Mary's College, Thrissur in the year 1999 with **72.8%** marks under University of Calicut.
- ✓ **Diploma in Pharmacy** from College of Pharmacy, Lisie Hospital cochin 18. (Under Directorate of Medical Education) in the 2002 with 65.5% marks.
- ✓ **B.Sc. Microbiology** from St.Mary's College, Thrissur in the year 2005 with **78.9%** marks under University of Calicut.
- ✓ **M.Sc. Microbiology** from St.Mary's College, Thrissur in the year 2008 with **Third Rank & 77%** marks under University of Calicut.
- ✓ **Ph.D Course work** from M.G University, Kottayam in the year 2013 with SGPA-8.33.
- **Ph.D Thesis submitted (on 14th March 2016) to M.G.University for awarding Ph. D degree in Microbiology (2011-16).**

Honors, Prizes and Scholarships:

- 2007 : **Third Rank** in M.Sc Microbiology
- 2010 : Qualified the **General Aptitude (Ph. D Entrance) Test**
- 2011: Received **University Research Fellowship** during research period
- 2016 : Received **Best paper award** in UGC sponsored National Seminar on "Progress and Prospects of Biotechnology"

Practical Training and Teaching Experience:

- ✓ Worked as Lecturer in Microbiology (Guest) from 5th June 2009 to 30th November 2010 in St.Mary's College, Thrissur.
- ✓ Practical training as pharmacist for a period of 3 months (21-2-2002 to 22-5-2002) in Jubilee mission medical college, Thrissur.
- ✓ Undergone Practical training in Microbiology in Polyclinic for a period of two months.(1-4-2005 to 30-4-2005,10-4-2006 to 10-5-2006)
- ✓ At present working as Assistant professor on contract in St.Mary's College, Thrissur (From).

Research Experience:

- M.Sc. Project work “Applications Of Microbiological Principles in Ayurvedic Pharmaceutics with Special Reference to Shelf Life of Herbal Lehya Formulations” carried out in Oushadhi, Thrissur, Kerala, India, September 2007.
- March 2011 to March 2016: Research scholar, Molecular Biology Lab, School of Biosciences, Mahatma Gandhi University, PD Hills (PO), Kottayam, Kerala, India.

Seminars/Workshops Attended:

- Participated 28th Kerala Science Congress on Climate change and its impact on water resources of Kerala organised by KSCSTE, Kerala on 28-30th January 2016.
- Participated in DNA Barcoding of Microbes held on March 31st 2014 at School of Biosciences, M G University, Kottayam
- Participated in the One day seminar on International Fascination of plants Day Celebration - 'Fascinating plants for sustainable development' held on May 18th 2013 at School of Biosciences, M G University, Kottayam
- Attended Short Term Training Programme in analytical instrumentation on 1st February to 3rd February 2012 organized by Advanced Centre of Environmental studies and Sustainable Development (ACESSD),MG University, Kottayam with an A+grade.
- Participated in the National Seminar on Life style and diseases organised by School of Biosciences, Mahatma University, Kottayam, Kerala on 19-20 January 2012.

- Participated in National Seminar sponsored by NAAC organised by IQAC, Vimala college, Thrissur on 25, 26 November 2010.
- Participated in Inter Collegiate workshop on Statistical Package For Social Sciences organized by Department of Economics, St. Mary's College, Thrissur on December 5th, 2009.
- Participated in Technical seminar hosted by IFCR India on Clinical Research & Regularity Affairs on 28th July 2006.
- Participated in Biovision 2005. International Symposium on Food Biotechnology organized by Department of Biotechnology, Sahrdaya College of Engineering & Technology, Kodakara, Thrissur on the dates 14th & 15th October 2005.

Publications in Peer Reviewed Journals:

1. **John C. Jimtha**, P. V. Smitha, C. Anisha, Thomas Deepthi, George Meekha, E. K. Radhakrishnan, G. P. Gayatri, A. Remakanthan (2014) Isolation of endophytic bacteria from embryogenic suspension culture of banana and assessment of their plant growth promoting properties, *Plant Cell Tiss Organ Cult*-**Springer**, 2014, 118: 57–66 (**Impact factor-2.125**)
2. Jasim B, **Jimtha John C**, Shimil Vellakudiyan, Jyothis Mathew and Radhakrishnan (2014) Studies on the factors modulating Indole-3-acetic acid production in endophytic bacterial isolates from *Piper nigrum* and molecular analysis of ipdc gene, *Journal of Applied Microbiology*-**Wiley** , Manuscript No:JAM-2014-1134(**Impact factor-2.479**)
3. Suada EP, Jasim B, **Jimtha John C**, Gayathri G P, Radhakrishnan EK, Remakanthan A – Phytostimulatory and hardening period reducing effects of plant associated bacteria on micropropagated *Musa acuminata* cv. Grand naine, *In Vitro Cellular and Developmental Biology – Plant*- **Springer**, December 2015,51(6):682-687 (**Impact factor-0.981**)
4. B. Jasim, Aswathy Agnes Joseph, **C. Jimtha John**, Jyothis Mathew, E. K. Radhakrishnan (2013) Isolation and characterization of plant growth promoting endophytic bacteria from the rhizome of *Zingiber officinale* , *3 Biotech*, 2014, 4:197–204. (**Springer open access Journal**)

5. B. Jasim, **C. John Jimtha**, Mathew Jyothis, E. K. Radhakrishnan (2013) Plant growth promoting potential of endophytic bacteria isolated from *Piper nigrum*, *Plant Growth Regul- Springer*, 2013, 71:1–11 (**Impact factor-1.672**)
6. B. Jasim, Sabu Rohini, C. Anisha, **C. Jimtha John**, Mathew Jyothis and E.K. Radhakrishnan (2013) Antifungal and Plant Growth Promoting Properties of Endophytic *Pseudomonas aeruginosa* from *Zingiber officinale*, *Journal Of Pure And Applied Microbiology*, Vol. 7(2),1-7, (**Impact factor-0.073**).
7. **Jimtha John C**, Radhakrishnan EK. Plant probiotic and bacoside enhancement effects of rhizobacterial isolates from Western Ghats, **Proceedings of the National Academy of Sciences**, India, Section B: Biological Sciences. (Accepted for publication, **Impact factor-0.039**).
8. **Jimtha John C**, Arathy G B, Anisha C, Radhakrishnan EK .Identification of Plant Growth Promoting Rhizosphere *Bacillus* spp. antagonistic to *Pythium myriotylum* and its enhanced antifungal effect in association with *Trichoderma*, *Journal of soil science and plant nutrition* (Accepted for publication , **Impact factor-0.68**).

Papers Communicated:

9. **Jimtha John C**, Karthika N R, Radhakrishnan EK. Plant probiotic effect *Pseudomonas fluorescens* R 68 from Western Ghat on *Amaranthus tricolour* was found to reduce fertilizer requirement and enhance soil nutrients (Submitted).
10. **Jimtha John C**, Radhakrishnan EK. Effect of rhizospheric *Proteus* sp. from Western Ghats on growth promotion and diosgenin production in *Dioscorea nipponica* (Submitted).
11. **Jimtha John C**, Sreelekha S, Chithra S and Radhakrishnan EK Antifungal properties of prodigiosin producing rhizospheric *Serratia* spp.(Submitted).
12. **Jimtha John C**, Radhakrishnan EK. *In vitro* antagonistic activity of *Serratia plymuthica* isolated from Western Ghat (Submitted).

Presentations and Publications in Conference Proceedings:

- a. Presented a paper “Identification of Plant Growth Promoting Rhizosphere *Bacillus* spp. Antagonistic to *Pythium myriotylum*” in UGC sponsored “**National Seminar**” organised by Department of Botany, Nirmala college, Muvattupuzha on Beneficial fungi with special reference to mushroom cultivation, Mycorrhiza and fungal biocontrol agent conducted on 5th December 2014.
- b. Presented a paper, “Reduction of NPK requirement to 50% by PGPR from Western Ghat for the cultivation of leafy vegetable *Amaranthus tricolour* with improved soil fertility” in “25th **Swadeshi Science congress**” organised at Sree Sankaracharya University of Sanskrit, Kalady on Healthy soil for a healthy life conducted on 16th December 2015.
- c. Presented a paper, “Cultural Optimization and molecular characterization of Indole acetic acid production by endophytic bacteria isolated from *Piper nigrum*” in UGC sponsored “**National Seminar**” organised by B K college for women, Amalagiri, Kottayam on Biochemical techniques:- Relevance in interdisciplinary research scenario conducted on 3th and 4th September 2013.
- d. Presented a paper “”in UGC sponsored **National Seminar** on Progress and Prospects of Biotechnology organised by Department of Biotechnology, St Joseph’s College, Irinjalakuda on 14th and 15th January, 2016.

Personal Information

Age and Date of Birth : 35yrs, 26th August 1981.
Sex : Female
Marital Status : Married
Spouse Name & Occupation : Joseph K.D. & Assistant Professor, Dept. of Electrical Engg.,
Govt. Engg. College, Thrissur- 680020.
Religion : Christian, Roman Catholic.
Linguistic Ability : English, Hindi, Malayalam.

Declaration :

I hereby declare that all the facts given above are true to the best of my knowledge and belief.

Place : Thrissur

Date :

Jimtha John C.