

CURRICULUM VITAE

Name : Dr Yeruva Thirupathaiah

Designation : Scientist-B

Qualification : Ph.D

Subject Specialization : Microbiology

Date of birth : 03-02-1980

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Academic qualification

Degree	University / College	Subjects	Year of Passing
B.Sc	MSRDC affiliated to Sri Venkateswara University, Tirupathi , Andhra Pradesh	Microbiology, Biochemistry, Chemistry	2000
M.Sc	Karnatak University, Dharwad, Karnataka	Microbiology	2002
Ph.D	Osmania University, Hyderabad	Microbiology	2012

Academic Research Experience

Sl.	Institution, Place	Position	From (Date)	To (date)
1	Sreenidhi Institute of Science & Technology Hyderabad	Assistant professor For B.Tech. Biotechnology	02-12-2004	25-10-2006
2	Osmania University, Hyderabad	DBT Junior Research Fellow	26-10-2006	25-10-2008
3	Osmania University, Hyderabad	DBT Senior Research Fellow	26-10-2008	26-9-2010
4	National Institute of Nutrition, Hyderabad	NIN, Senior Research Fellow	12-04-2011	30-04-2012

5	KN Biosciences Pvt Ltd, Hyderabad	R&D Scientist	01-05-2012	19-05-2013
6	National Institute of Nutrition, Hyderabad	Principal Investigator	20-05-2013	30-10-2015
7	Central Sericultural Research and Training Institute, Mysore.	Scientist-B	02-11-2015	Till date

Research Work Experience

I started my research career as a Junior research fellow followed by Senior Research Fellow in the research projects funded by Department of biotechnology (DBT), Government of India. Simultaneously, I completed PhD in Microbiology discipline and I have Postdoctoral experience as a Principal Investigator on human microbiota. My research efforts to date have combined gut and genitourinary tract microbes, as well as basic and applied aspects of microbiology. My research has primarily focused upon Identification of novel microorganisms, development of probiotics and vitamin B₁₂ production. My background of knowledge in gut and genitourinary tract microbiota, microbial biotechnology, fermentation technology and molecular biology is satisfactory. Presently I am working on silkworm midgut bacteria, use of silkworm pupae for commercial production of *Cordyceps* spp, development of value added products from mulberry silkworm, *Bombyx mori* L such as pupae oil, sericin gels and fibroin. I am professionally trained in the both traditional and modern microbial & molecular biology techniques and able to manage broad areas of modern microbiological or Life Sciences research projects. I am very much interested to realize fundamental aspects of life process by applying scientific principles and methodology.

International/National conferences / workshops /meeting/training attended

- 1) Foundation training for Central Silk Board (CSB) Young Scientists from 02-22-2016 to 08-03-2016
- 2) National workshop on “Current Trends in Agricultural Bioinformatics” Sponsored by DBT from 02-15-2016 to 02-17-2016 at ICAR-NAARM, Hyderabad.
- 3) “Orientation training for seed officers or seed analysts” at CSRTI, Mysore from 19-11-2015 to 20-11-2015.
- 4) 47th Annual National Conference of Nutrition Society of India, 8-10 October 2015.
Theme: Nutrition and agriculture the connect and disconnect, Venue: National Institute of Nutrition, Hyderabad.
- 5) Participated in 45th Annual National Conference of Nutrition Society of India, 20-22 November 2013, Theme: Inter-sectoral Approach to Promote Food and Nutrition Security. Pre-conference Workshop on: Current priorities in nutrition research, methodology and report writing. Workshop-2: Prevention of lifestyle diseases– Role of food science and nutrition at National Institute of Nutrition, Hyderabad.
- 6). Thirupathaiah Yeruva, et al.(2011). Improvement of vitamin B₁₂ production in probiotic *propionibacterium freudenreihii subsps shermanii* (OLP-5). Presented in 51st Association of Microbiologists of India (AMI).
- 7). Thirupathaiah Yeruva, et al. (2008). Identification of Microbial Vitamin B₁₂ Analogues and Fermentation in its Presence to Raise Strain Resistant to Feed Back Inhibition. Presented in 49th Association of Microbiologists of India (AMI) Annual Conference and International

symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics. IM 364 page-232.

8). Thirupathaiah Yeruva, et al (2008). Studies on Down Regulation of Propionic acid for Improved Vitamin B₁₂ Production. Presented in 3rd International Congress on Bioprocesses in Food Industries (ICBF) & 5th Convention of the Biotech Research Society of India (BRSI). IND 121 Page No: 151.

9). Presented paper in International Conference on New Horizons in Biotechnology (NHBT-2007) conducted by Biotech Research Society of India (BRSI). Trivendram, Kerala.

10). Y. Thirupathaiah, et al. (2007) Development of efficient Propionibacterium to combat vitamin B₁₂ Deficiency. 2nd International Symposium on Propionibacterium and Bifidobacterium conducted by Norwegian University of Life sciences, Norway.

11). Refresher Course on “Recent Trends In Biotechnology” from 13-06-2005 to 02-07-2005. Sponsored by University Grant commission and conducted by Jawaharlal Nehru Technological University, Hyderabad, India.

12). Participated in workshop on “Down Stream Processing” conducted by Institute of Science & Technology Jawaharlal Nehru Technological University, Hyderabad, India-07th and 08th February, 2006.

13). Attended workshop on “Bioprocess Engineering: Design, Operation and Analysis of Bioreactors” conducted by Institute of Science & Technology Jawaharlal Nehru Technological University, Hyderabad, India- 22nd and 23rd – 2006.

Awards received

- 1) Fast track Young Scientist-SERB (DST)
- 2) CSIR-UGC NET
- 3) GATE
- 4) ICAR-ASRB-NET
- 5) DBT-Junior & Senior Research Fellow
- 6) National Institute of Nutrition-Senior Research Fellow

Research publications

Publications	Numbers
Full length Research Papers	: 07
Research Short notes	: 01
Books	:
Book chapters	:
Research abstracts	: 05
Popular articles	:
TV / Radio Programmes	:

List most important recent five publications

1. **Thirupathaiah Yeruva**, Swarupa Rani Chiliveri, Sudhakara Reddy Marrivada, Venkateswar Rao Linga. (2012) Effect of analogues on production of vitamin B₁₂ in *Propionibacterium freudenreichii* subsp. *shermanii*, world journal of Microbiology & Biotechnology- 28:2267-2271.

2. **Thirupathaiah Yeruva**, Swarupa Rani Chiliveri, Sudhakara Reddy Marrivada, Smita Hasini Panda, Venkateswar Rao Linga. (2011) *In vitro* adhesion and *In vivo* vitamin B₁₂ studies with potential probiotic strain *Propionibacterium freudenreichii* subsp. *shermanii* OLP-5) International journal of Probiotics and Prebiotics. 6(2):109- 114.

3. Swarupa Rani Chiliveri, **Thirupathaiah Yeruva**, Smita Hasini Panda, Venkateswar Rao Linga. (2010) Fermentation parameters for Vit B₁₂ production using propionibacterium freudenreichii subsp. *shermanii* by Taguchii methodology. Journal of Pure and Applied Microbiology. 4(2): 647-658.

4. **Thirupathaiah Yeruva**, Swarupa Rani Chiliveri, Sudhakara Reddy Marrivada, Manikyam Ananth, Venkateswar Rao Linga (2009). Development of efficient probiotic *Propionibacterium freudenreichii* subspecies *shermanii* to combat vitamin B₁₂ deficiency. International journal of Probiotics and Prebiotics. 4(4):271-276.

5 .V.V. Annapurna, R.Hemalatha, A. Raviteja, A.V.S.RamaRaju, K.NarendraBabu, **Y. Thirupathaiah** et al. (2015). Selective cecal bacterial changes mediate the adverse effects associated with high palmolein or high starch diets: prophylactic role of flax oil. International Journal of Pharmacy and Pharmaceutical Sciences. Vol 7, Issue 11, 2015