

CURRICULUM VITAE



Name : Dr Yeruva Thirupathaiah

Designation : Scientist

Qualification : Ph.D

Subject Specialization : Microbiology

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Academic qualification

- Postdoc (2013-2015) : National Institute of Nutrition, Hyderabad.
- Ph.D. Microbiology (2006- 2012) : Osmania University, Hderabad.
- MSc.Microbiology (2000- 2002) : Karnatak University, Dharwad.
- BSc.Microbiology,Biochemistry, Chemistry (1997-2000):SVU,Tirupathi.
- Intermediate(1995-1997):Biology,Phycics,Chemistry: Andhra Pradesh
- SSC (1995): Andhra Pradesh state.

Academic & Research Experience

- Scientist : Central Sericultural research and training Institute (Central Silk Boar), Mysore, Karnataka. (02-11-2015 - till date)
- DET-SERB-Fast Track Scheme for Young Scientist/Post doctoral research: Dept of Microbiology, National Institute of Nutrition, Hyderabad,India.(20.05.2013 - 30.10.2015).
- R&D Scientist : KN Biosciences India Pvt Ltd, Hyderabad. (01.05.2012 – 18.05.2013).
- Senior Research Fellow: Dept of Microbiology, National Institute of Nutrition, , Hyderabad. (11.04.2011 – 30.04.2012).
- Research Fellow : Dept of Animal nutrition, Sri venkateswar Vetrernity University, Regendra nagar, Hyderabad (12.15.10 -10.04.11).
- Senior Research Fellow: DBT Research project-Department of Microbiology, Osmania University, Hyderabad. (27.09.2008 – 12.14 .2010).
- Junior Research Fellow :DBT Research project-Department of Microbiology, Osmania University, Hyderabad.(26.10.2006 – 26.09.2008).
- Assistant Professor- Department of Biotechnology, Sreenidhi Institute of Science and Technology, Hyderabad. (02.12.2004 to 25-10-2006).
- Lecturer : AMC college, Banglore (2003).

Awards

- 1) Appreciation certificates: 2
- 2) Fast track Young Scientist – DST (SERB)-2013
- 3) CSIR-UGC NET-2004 & GATE-2004 & ICAR-ASRB-NET-2014
- 4) DBT-Junior& Senior Research Fellow-2006
- 5) National Institute of Nutrition-Senior Research Fellow-2011

Academic & Research achievements

- Number of research projects completed : 05
- Number of ongoing projects : 04
- Number of publications in journals : 14
- Research abstracts : 15
- Book chapters : 01
- National and International conferences and workshops attended: 25
- NCBI: Sequence submissions : 10

Research areas

- Probiotics
- Industrial Microbiology & Fermentation technology
- Microbiome
- Cancer biology & Medical Microbiology
- Lipid chemistry
- Nano technology
- Molecular physiology
- Biomass utilization and diversification
- Molecular Biotechnology

Research publications & Book chapters :

1.Thirupathaiah Yeruva, Sivaprasad Vankadara, Sumathy Ramasamy & Kusuma Lingaiah (2019). Identification of Potential Probiotics in the Midgut of Mulberry Silkworm, *Bombyx mori* Through Metagenomic Approach. *Probiotics and Antimicrobial Proteins*. doi: 10.1007/s12602-019-09580-3.

2.Y.Thirupathaiah, Anuj K.Chandel, V.Sivaprasad (2018) "Potential applications of enzymes in sericulture (Book chapter 18). Sustainable Biotechnology- Enzymatic Resources of Renewable Energy, Published by Springer. Page no: 463-472.

3.Y.Thirupathaiah, R.Hemalatha, D.Vasundara (2017) Vaginal lactobacilli profile in pregnant women with normal and abnormal vaginal flora, Indian journal of medical research. 146:534-540.

4.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.

5.Y.Thirupathaiah, M.Stella, E.Bhuvanewari, Vineet kumar and V.Sivaprasad (2019).Characterization of mulberry silk fibroin nanoparticle produced by *Fusarium oxysporum*. Indian journal of sericulture.57 (1):1-6 (2018).

6.Y.Thirupathaiah, E.Bhuvanewari, P.Vaijayanthi, Vineet kumar and V.Sivaprasad (2018) Diversity and functional role of gut microbiota of silkworm *Bombyx mori* L. Sericologia 58 (1):1-11.

7.Y.Thirupathaiah, V. Sivaprasad, E. Bhuvanewari, M. Munirathnam Reddy, M. Chandrashakharaiyah (2017) Extaction and Characterization of mulberry silkworm, *BOMBYX MORI* L., pupae oil, Indian Journal of Sericulture., 55(1-2), 31-37 (2016).

8.M.Chandrasekharaiah et al, Y.Thirupathaiah, V.Sivaprasad (2017) Effect of dietary incorporation silkworm pupae meal on in vitro rumen fermentation and digestibility. Indian journal of animal sciences 88 (6) 731-735.

9.Madhusudhan KN, Vinayarani G, Moorthy SM, Satish L, Thirupathaiah Y, Maheshwari C, Prakash HS, Teotia RS and Sivaprasad V (2019) Isolation, purification and characterization of antibacterial bioactive compounds from *Bougainvillea spectabilis* Leaf. Journal of Pharmacognosy and Phytochemistry 2019; 8(3): 2668-2673.

10.E.Bhuvanewari, S.M, Shree Raksha, Y.Thirupathaiah, Vineet Kumar and R.S.Teotia (2019) Impact of Sesbania grandiflora leaf powder fortification on growth and economic traits of biovoltine double hybrid (FC1 x FC 2) silkworm, *Bombyx mori*. Indian journal of sericulture, 57(1-2):14-21 (2018).

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

12.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.

13.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.

14.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.

15.M.Sudhakara Reddy, Y. Ramana Reddy, B. Bhima1, Y. Thirupathaiah, A. Rajasekhar Reddy and L. Venkateswar Rao (2013) Effect of different levels thermotolerent probiotic yeast supplementation on biochemical and immune parameters in broilers. World journal of pharmacy and pharmaceutical Sciences. 2, (6), 4911-4916.