



**Dr. T.P.RAJESH**

**Assistant Professor**

**Department of Biotechnology**

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**Educational Qualifications:**

<b>Qualification</b>	<b>Department</b>	<b>University</b>
Ph.D	Biotechnology	Anna University, Tiruchirappalli
M.Tech	Biotechnology	SASTRA University, Tanjore
B.Tech	Pharmaceutical Engineering and Technology	Bharathidasan University

**Experience:**

<b>Name of Company/ Institutions</b>	<b>Designation of the Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
Pavendar college of Engineering and Technology BIT-Campus	Lecturer	20/06/2006	22/08/2009	3
University college of engineering, BIT-Campus	Assistant Professor	24/08/2009	Till Date	13

### Life Membership of Scientific and Professional Societies:

- ✚ Biotechnological Research Society of India.
- ✚ Association of Pharmacy Professionals
- ✚ The Indian Society for Technical Education

### Completed B. Tech/M.Tech Projects:

- Number of M.Tech Projects Completed: **9**      Number of B. Tech Project Completed : **48**

### List of FDP attended:

S. No.	Short Term Course	Place	Duration
1.	AICTE Sponsored Two week Faculty Development Programme on “Strain selection and improvement”	Department of BioTechnology, Vivekananda College of engineering for women Thiruchengode	13-07-2009 to 26-07-2009
2.	AICTE Sponsored Faculty Development Programme on “Applications of Molecular Techniques in Biotechnology”	Department of Chemistry, MEPCO schlenk Engineering College Sivalkasi.	19-05-2010 to 29-05-2010
3.	AICTE Sponsored Two week Faculty Development Programme on “Strain selection and improvement”	Department of BioTechnology, Vivekananda College of engineering for women Thiruchengode	13-07-2009 to 26-07-2009
4.	99 <sup>th</sup> Orientation Programme	UGC Academic Staff College Bharathiar University Coimbatore	12.06.2013 to 9.07.2013
5.	Refresher Course	UGC Academic Staff College Bharathiar University Coimbatore	6.11.2014 to 26.11.2014
6.	TEQUIP- 11 Sponsored Two Weeks Faculty Development Programme” New perspectives of drug discovery and progressive technological developments	Department of Pharmaceutical Technology, UCE BIT Anna University Trichy	4-5-2015 to 17-5-2015

7	TEQUIP- 11 Sponsored Two Weeks Faculty Development Programme” Implications of Chemical and Biological Sciences”	Department Biotechnology, UCE BIT Anna University Trichy	22-6-2016 to 7-7-2016
8	“ICT Tools for Teaching, Learning Process and Institute” jointly organized by Electronics and ICT Academies held from	Electronics & ICT Academies NIT Patna, MNIT Jaipur, PDPM IITDM Jabalpur, IIT Guwahati, IIT Kanpur, and IIT Roorkee	15-3-2021 to 26-3-2021
9	Two weeks Industrial Training programme on plastic Processing and testing	Central Institute of Petrochemicals and Engineering and Technology	10-6-21 to 22-6-21

### List of Publications

1. C. Narendhar, B. Atmajah, V. Vijayalakshmi, I. KirubhaShangari, K.S. Vijaya **T.P. Rajesh**.”Synthesis of  $TiO_2$  nanoparticles by various methodologies and evaluation of their antibacterial activity”.Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 17, No. (Spl. Iss.) : 2015 : 133-138. ISSN-0972-3005.
2. C. Narendhar, V. Vivekananthan, K. Murugu Mohan Kumar, **T.P. Rajesh**, R. Senthilkumar, A. Arun Kumar And A. Jebaselvin.”Fabrication of super paramagnetic iron oxide nanoparticles embedded chitosan nanospheres for drug delivery applications”.Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 17, No. (Spl. Iss.) : 2015 : 69-72. ISSN-0972-3005
3. **Rajesh TP**, Narendhar C, SivakumarPonambalam A, Mohanambal V, Sivamani S. “Green synthesis of silver nanoparticles from leaf extracts of *Asclepiascurassavica*”. Journal of Chemical and Pharmaceutical Sciences, JCHPS Special Issue 2: October 2014. ISSN: 0974-2115.
4. Thirunavukarasu T, Santhana Lakshmi K, Tamilarasan M, Sivamani S, Sangeetha D, **Rajesh T.P**,”*Invitro* antimicrobial, antioxidant, haemolytic, thrombolytic activities and phytochemical analysis of *Cipadessabacifera* leaves extact”. International Journal of Phytomedicine 6 (2014) 109-114. ISSN: 0975-0185.**I F 1.3.**
5. **Rajesh T.P**, Narendhar C, SivakumarPonambalam A, Mohanambal V, R.Dheeran. “Green synthesis of silver nanoparticles from leaf extracts of *Asclepiascurassavica*”.Journal of Chemical and Pharmaceutical Sciences. National Conference on Plant Metabolomics (Phytodrugs – 2014). JCHPS Special Issue 2: October 2014. ISSN: 0974-2115.

6. M. Tamilarasan, S. Sivamani, A. S. Maheshwari, **T.P. Rajesh**. “Phytochemical screening and in vitro bioactivities of the extracts of aerial part of *Evolvulus nummularius*”. International Journal of Pharmacognosy and Phytochemical Research 2015; 7(1); 111-116. ISSN: 0975-4873. **IF 1.4**.
7. **T.P. Rajesh**, S. Rajasekar, R. Karthick Hari Mathan, and B. Anandaraj. “Isolation and identification of feather degrading bacteria from feather-dumped soil”. Int. J. Environment and Sustainable Development (2016).
8. K. Santhana Lakshmi, D. Sangeetha, S. Sivamani, M. Tamilarasan, **T.P. Rajesh**, B. Anandaraj. “In vitro antibacterial, antioxidant, haemolytic, thrombolytic activities and phytochemical analysis of *Simarouba glauca* leaves extracts”. International Journal of Pharmaceutical Sciences and Research. IJPSR (2014), Vol. 5, Issue 2. **IF 1.8**
9. Disholin Dennison Priya, **Thangavel Pichaiappa Rajesh**, Rachel Syam Sundar, Chandrasekhar Narendhar “Iron oxide nanoparticles—characterization and antimicrobial studies” International journal of applied pharmaceutical sciences and research
10. **Thangavel Pichaiappa Rajesh** Shen ming chen Devaraj Nivetha syam Sundar Rachael Natarajan Prakash Alexander Pinky Steffi Chandrasekar Narendhar “The iron oxide/polymer nanocomposites for targeted drug delivery and toxicity investigation on zebra fish (*Danio rerio*)”. Inorganic Chemistry Communications 2021. **Impact Factor 2.5**
11. **Thangavel Pichaiappa Rajesh** Ashok kumar Devaraj Nivetha syam Sundar Rachael Natarajan Prakash Alexander Pinky Steffi “Incorporation of SiO<sub>2</sub> functionalized gC<sub>3</sub>N<sub>4</sub> sheets with TiO<sub>2</sub> nanoparticles to enhance the anticorrosion performance of metal specimens in aggressive Cl<sup>-</sup> environment”. Chemosphere. **Impact Factor 7.1**
12. B. Anandaraj S. Easwaramoorthy **T.P. Rajesh** P. Sureshbabu “Chromium(VI) adsorption by *Codium tomentosum*: evidence for adsorption by porous media from sigmoidal dose–response curve” International journal of Environmental science and Technology **Impact Factor 3**
13. Dr Narendhar Chandrasekar Alexander Pinky Steffi; Ramachandran Balaji; Natarajan Prakash; Selvarajan Ethiraj, PhD; Melvin S Samuel, PhD; Srikanth Vuppala, PhD; **Thangavel Pichaiappa Rajesh**, PhD “High-performance Anti-Corrosive Coatings Based on rGO-SiO<sub>2</sub>-TiO<sub>2</sub> Ternary Heterojunction Nanocomposites for Superior Protection for Mild Steel Specimens” Diamond and Related Materials. **Impact Factor 3.4**
14. **T.P. Rajesh**, R. Karthick Hari Mathan, S. Rajasekar B. Anandaraj “Computational approach for the optimization of Keratinase enzyme form *Bacillus cereus*” Journal of Environmental Biology **Impact Factor 0.8**

15. B.Anandaraj S.Easwaramoorthy **T.P.Rajesh** P.Sureshbabu “Packed bed column adsorption of Cr (VI) onto acid treated *Codium tomentosum* biomass” Proceedings of the international conference on Innovations and Research Dimensions in Nanobio Pharmaceutical Technology.

#### **CONFERENCES:**

1. **T.P.Rajesh**, B.Anandaraj, S.Rajasekar. Isolation and identification of feather degrading bacteria from feather dumped soil. National Conference on Green Engineering and Technologies for Sustainable Future-2014. Journal of Chemical and Pharmaceutical Sciences. JCHPS Special Issue 4: December 2014. ISSN: 0974-2115.
2. B. Anandaraj, **T. P. Rajesh**, P. Suresh Babu and C. Narendhar. Green synthesis of silver nanoparticles from leaf extracts of *breyaniavitis-idaea*. Pg-111. 2014 International Conference on Innovations and Research Dimensions in Nanobio Pharmaceutical Technology.
3. Anis Kumar. M, Umamaheswari. R, Shaheenabhanu.H.S, **Rajesh.T.P**, Selvamani. P. Effect of media optimization for batch kinetics of cell growth and andrographolide production by altering carbon source, nitrogen source & k<sup>+</sup> ions supply in cell suspension culture of *andrographispanicualta*. National Conference on Green Engineering and Technologies for Sustainable Future-2014. Journal of Chemical and Pharmaceutical Sciences. JCHPS Special Issue 4: December 2014. ISSN: 0974-2115.

#### **DECLARATION:**

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

**Signature of the staff member**

**Head of the Department**

**Dean**