**CURRICULUM VITAE**

**PABBATI RANJIT**

Assistant Professor (Contract)

Center for Biotechnology

Institute of Science and Technology,

Jawaharlal Nehru Technological University

Hyderabad 500085

Telangana

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Mobile: +919985289499

<https://scholar.google.co.in/citations?user=GyUBWXYAAAAJ&hl=en>

**Career Summary:**

* An innovative and knowledgeable professional having 11.6  **years**’ experience as Assistant Professor
* Proficient in developing new lessons and activities to expand learning opportunities.
* Excellent knowledge of subject and also have great practical knowledge Proficient in giving conceptual knowledge.
* Subjects taught Plant Biotechnology, General & Industrial Microbiology, Pharmaceutical biotechnology, Downstream processing, Fermentation Technology, and Bioinformatics.
* Labs handled Bioprocess Engineering, cell biology, Heat Transfer, Fluid Mechanics, and plant tissue culture, Fermentation technology.
* Extensive participation on committees and extra-curricular activities.

**Educational Degrees**

PhD Center for Biotechnology, IST, JNTUH, Hyderabad, (2012-2018)

M.TECH Center for Biotechnology, IST, JNTUH, Hyderabad, 2009, **76 %**

B. TECH Madanapalle Institute of Technology and Science, madanapalle, 2007, **74.24%**

Intermediate Vavilala Junior College, Kurnool, 2001, **80.6 %**

SSC Municipal High School, KURNOOL, 1999, **70.8 %**

* **Professional Experience:**

Assistant Professor (c) Centre for Biotechnology, JNTUH, HYDERABAD.

 500085, Telangana**, (**2011 December- till date**)**

Lecturer (Adhoc) Department of Biotechnology, JNTU College of Engineering, Pulivendula

 516390, Andhra Pradesh**, (**June 2010 - December 2011**)**

* **Achievements**:
* GATE qualified 2007 & 2009, AP SET qualified -2018
	+ - NPTEL certified courses Experimental Biotechnology, Biochemistry, Cell Biology: Cellular organization, division, and processes
* **BOOK EDITOR:**

**Title of the book:**

1. Micro and Nanoplastics in Soil - Threats to Plant-Based Food (Springer Nature)
2. Quorum Quenching: A Chemical Biological Approach for Biofilm Mitigation and Drug Development. (Royal Society of Chemistry, UK)
* **Project grants: (2 Lakhs)**

Received **Two lakh** Rupees from Technical Education Quality Improvement Programme of Government of India (TEQIP) on “**Transcriptome analysis to study Phenylpropanoid biosynthetic**

**pathway from elicited cell suspension cultures of *Abutilon indicum*****for enhanced production of coumarins” (2019-2020).**

* **Research collaboration work: (“Emerging Strategies to control Pure-species Bacterial Biofilms”)**

**Research collaboration agreement with** Dr. Naga Raju Maddela, Ph.D., Professor, Department of BiologicalSciences, Faculty of Health Sciences, Universidad Tecnica de Manabi, Portoviejo –

130105, Manabi, Ecuador. (24th MARCH 2021)

* **List of book chapter published (INTERNATIONAL):**

## Title: [Conventional Wastewater Treatment Processes](https://scholar.google.com/scholar?oi=bibs&cluster=13584955452258724031&btnI=1&hl=en), *Advances in the Domain of Environmental Biotechnology. Environmental and Microbial Biotechnology,* Springer, Singapore 2021

## Title [Epidemiology of COVID-19: Special Emphasis on Nanoscience and Its Implications](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7984745/), *Nanotechnology for Advances in Medical Microbiology,* Springer Nature, 2021

## Title [Applications of Nanomaterials in Biomedical Engineering](https://scholar.google.com/scholar?oi=bibs&cluster=7302480690230822566&btnI=1&hl=en), *Nanotechnology for Advances in Medical Microbiology,* Springer Nature, 2021

## Title Nanoparticles for Biofilm Control, *Nanotechnology for Advances in Medical Microbiology,* Springer Nature, 2021

* **Title:** Advances in the bioremediation of pharmaceuticals and personal care products (PPCPs)- polluted water and soil, *Microbial Products for Health, Environment and Agriculture***, Springer 2021**
* **Title:** Biotechnology Of 21 St Century, *Innovations in biotechnology for a sustainable future*, springer 2021

**List of Publications:**

* **P Ranjit**, Archana Giri, and K Deepak Raj “Evaluation of Antimicrobial Activity of Leaf Extracts Of *Pimpinella tirupatiensis”. Res. J. Pharm., Biol. Chem. Sci.7(4), 1220-1225 (2016)*
* Reddy, V., Vijaya Lakshmi., **Ranjit, P** “Characterization Of Some Efficient Cellulase Producing Bacteria Isolated From Pulp And Paper Mill Effluent Contaminated Soil Collected From Rajamundry, South India”. *Brazilian Archives of Biology and Technology, 2016(Accepted) (SCI).*
* **P Ranjit**, Ch Veneetha, Giri, A “[Evaluation of Total Phenolics, Flavonoids, and Antioxidant Activity of Leaf Extracts of Pimpenella tirupatensis” Int. J. Pharm. Sci. Rev. Res ,41(1)](https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=GyUBWXYAAAAJ&citation_for_view=GyUBWXYAAAAJ:QIV2ME_5wuYC),58-63,(2016)(Scopus).
* Reddy, V., Giri, A., **Ranjit, P**., Fahmida, S. M., Deepthi, E., & Hemalatha, M. (2014). Antibiotic Susceptibility of Infectious Nosocomial Microorganisms. *International Journal of Bioassays*, *3*(04), 2026-2029.
* **Ranjit, P**., et al. "Identification of miRNAs in Eucalyptus globulus plant by computational methods." *Int J Pharm Sci Invent* 2.5 (2013): 70-74.
* Matheen, M. D., Hemanth Veeramachaneni., and Ranjit P “In silico identification of miRNAs and their targets from the expressed sequence tags of Raphanus sativus." Bioinformation Vol No.8, Issue No.2, pp.98-103 (2012). (Pubmed)
* Sirisha E, **Ranjit P**, Lakshmi Narasu M “Application of soluble and immobilized α -galactosidase from acinetobacter sp for degradation of galacto-oligosaccharides in cowpeas” *Int J Pharm Bio Sci,*8 (1),596-602, (2017).
* Rupa S, Sirisha E, **Ranjit P**, Lakshmi Narasu M ”Comparative Analysis of Chemopreventive Efficacy of Cruciferous Phytochemicals in Combination With Etoposide Drug on Lung Cancerh Cell Lines” Int. J. Pharm. Sci. Rev. Res,43 (1)186-192,(2017).

**List of Research Projects worked:**

* Expression Of drlat Gene in Prokaryotic System (**Organization**: Dr.Reddy’s Laboratories, Bachupally Hyderabad)
* Develop the new Carbidopa Analogs as a dopa decorboxylase inhibitor for Parkinson’s diseaseby computer aided drug design. (Aravinda Bio solutions Pvt Ltd, Hyderabad).
* Antimicrobial and Anti Oxidant Activity (DPPH, Nitric oxide scavenging, reducing power, FRAP, ABTS etc) Determination medicinal plants.
* Transcriptome analysis of medicinal plant.
* In-silico identification of MiRNA by bioinformatics tools on plants.

**Workshops & conferences:**

* One Week Work Shop on “Molecular Biology Techniques” Usha Biotech Pvt Ltd, Hyderabad, 2010
* “Bioprocess engineering: Design, Operation and analysis of Bioreactors” by Center for

 Biotechnology, JNTU, Hyderabad, 2009

* “Agri Business Entrepreneurship development Programme” by ICRISAT in JNTU Hyderabad 2005
* Three-day workshop on” BIG DATA “at BITS PILANA KK BIRLA, Goa 2014.
* International Conference on Trend Setting Innovations In Chemical Sciences & Technology-

 Nature Inspired Chemistry & Engineering 4th -6th October 2016.

**Thesis guided:**

B. Tech, M. Tech and M. Sc

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 **(Dr. Pabbati Ranjit)**