

Dr.P.Josthna

Professor & Head
Department of Biotechnology
Sri Padmavati Mahila Visvavidyalayam
Tirupati-517502. A.P
E-mail:penchalajyo@yahoo.co.in
Cell No.: +91 9848464059

**Professional Experience**

- Professor (2021-till date)
- Associate Professor (2018 - 2021)
- Assistant Professor (2006 - 2018)
- Academic Consultant, Department of Zoology, SPMVV (2004-2006)
- Post-Doctoral Fellow, Obstetrics and Gynecology, University of Texas Medical Branch, Texas, USA (2003-2004).
- Post-Doctoral Fellow, Oncology, Yale University, Connecticut, USA (2002-2003).
- Senior Research Fellow, Para Cytology, College of Veterinary Science, Tirupati (2001-2002)

Research Publications/Books

International : 65 National : 10

Seminars/Conferences/workshops**Attended**

International : 50 National : 55

Participated

International : 30 National : 68

Organized

International : 3 National : 10

Research Projects

National : 4

Ph.D. Students :**National****International**

Guided : 7

-

At present: 4

2

Best Publications:

- Gunashekar Kalvakunta Subramanyam, Susmila Aparna Gaddam, Venkata Subbaiah Kotakadi, Hema Gunti, Sashikiran Palithya, **Josthna Penchalani**, Varadarajulu Naidu Challagundla. 2023. Green Fabrication of silver nanoparticles by leaf extract of *Byttneria Herbacea* Roxb and their promising therapeutic applications and its interesting insightful observations in oral cancer. **Journal of Artificial Cells and Nanomedicine Biotechnology**.51(1):83-94.
Impact Factor-6.355, Scopus & Web of Science.
- Kousalya Lavudi, Venkata Satya Harika, Rekha Rani Kokkanti, Swaroopa Patchigolla, Anupriya Sinha, Srinivas Patnaik and **Josthna Penchalani**, 2022. 2-Dimensional *in vitro* culture assessment of ovarian cancer cell line using cost effective silver nanoparticles from *Macrotyloma uniflorum* seed extracts. **Frontiers in Bioengineering and Biotechnology**. 10: 978846.
Impact Factor-5.7, Scopus & Web of Science
- Kousalya Lavudi, Hemalatha S, RekhaRani Kokkanti, Harika G.V.S, Srinivas Patnaik, **Josthna Penchalani**, 2022. Anti-tumour efficacy of *Musa paradisiaca* flower extracts on DMBA induced Mammary carcinogenesis in female Wistar rats. **South African Journal of Botany**.151, 200-207.
Impact Factor-3.11, Scopus & Web of Science.
- Sashikiran Palithya, Susmila Aparna Gaddam, Venkata Subbaiah Kotakadi, **Josthna Penchalani**&Varadarajulu Naidu Challagundla. 2021. Biosynthesis of silver nanoparticles using leaf extract of *Decaschistiacrotonifolia* and its antibacterial, antioxidant, and catalytic applications.**Green Chemistry Letters and Reviews**.12(3); 415-426.
Impact Factor -4.9, Scopus and Web of Science
- Sashikiran Palithya, Susmila Aparna Gaddam, Venkata Subbaiah Kotakadi, **Josthna Penchalani**, Narasimha Golla, Suresh babu Naidu Krishna,C.V.Naidu. 2021. Green Synthesis of Silver nanoparticles using flower extracts of *Aerva Lanata* and their biomedical applications. **Particulate Science and Technology**. 0272-6351, 40(1); 84-96.
Impact Factor - 2.628, Scopus and Web of Science
- Susmila Aparna Gaddam, Venkata Subbaiah Kotakadi, Gunasekhar. Kalavakunta Subramanyam, **Josthna Penchalani**, Varadarajulu Naidu Challagundla, Sai Gopal DVR and Visweswara Rao Pasupuleti. 2021. Multifaceted phytogetic silver nanoparticles by arare insectivorous Plant *Drosera spatulata* LabillVar.bakoensis and its potential therapeutic applications. **Scientific Reports**.2045-2322 11(1): 21969
Impact Factor-4.6, Scopus and Web of Science
- Srinivas Patnaik, Hadgu M. Berehu, Anupriya S, Imran Khan, Rajasree Chakraborty, Kousalya Lavudi, **Josthna Penchalani**, Bibhshee Mohapatra and Amrita Mishra. 2021. Cytotoxic potential of biogenic zinc oxidenanoparticles synthesized from *Swertia chirayita* Leaf Extract on Colorectal cancer cells. **Frontiers in Bioengineering and Biotechnology**. 2296-4185, 15;9:788527.
Impact Factor-5.99, Scopus & Web of Science
- Bhanupriya Kilari, Vasudeva Reddy Netalab, **Josthna Penchalani**, Venkata Subbaiah Kotakadi c and Vijaya Tartted(2018). Structural elucidation, *in vitro* cytotoxicity evaluation and mechansim study of newly secluded bioactive compound from the leaf extracts of *Basella rubra*L.**Process Biochemistry** , ISSN 1359-5113
Impact Factor- 4.4, Scopus & Web of Science

Patents

Published:

- K.R.Padma, **Dr.P. Josthna**, M.Reshma Anjum, M.Sankari, **Application Number** : 202441012358-A System and Method for Uteroimplantation Growth Restriction during Early Gestation in Rats is triggered through ADM-52 Antagonist. Date of Filing: **21/02/2024**
- Venkata Satya Harika G, **Dr.P. Josthna**, Dr. R V Suresh Kumar, **Application Number** :**202341077107**-A Method Of Implantation Of Dmba Coated Silk Thread In Albino Wistar Rats In Induction Of Ovary Cancer. Date of Filing:11/11/2023. Published **22/12/2023**.

Special Distinctions/Awards/ Honours (State/National/International only)

- **Best Faculty Award** of the year 2023, Award for outstanding and exemplary contribution towards Education, Skill Development and Research, New Delhi.
- **Maha Matha Savitribai Phule Best Teacher Award** of the year 2023.
- **NESA Eminent Scientist Award** of the year 2021, New Delhi.
- **Associate fellow Award**, Andhra Pradesh Akademi of Sciences, 2016, Vijayawada
- **Talented Biotechnologist Award**, Industrial Technology Institute, University of Kelaniya, Sri Lanka, 2013.
- **Best Teaching Skills**, S. V. University, 2013, Tirupati,
- **Young Scientist Award**, S. V. University, 2004, Tirupati,
- **Best paper presentation Award**, 2003. USA,
- **Best NSS Programme Officer Award**, SPMVV

Administrative Positions:

- Head & BOS Chairperson, Dept. of Biotechnology, SPMVV, Tirupati
- Coordinator, TOCIC SPMVV, Tirupati (DSIR-PRISM, New Delhi)
- Edx University Champion, 2024
- Coordinator , M. Sc. Biotechnology (2 years course)
- Coordinator, IIC, SPMVV, Tirupati
- Academic Counsellor, IGNOU.
- Assistant Warden, SPMVV hostels.
- NSS Programme Officer, SPMVV
- External Member, Board of Studies, Department of Biotechnology, Dravidian University, Kuppam
- Member, International Relation , SPMVV, Tirupati
- Member, Animal Ethical committee, , SPMVV, Tirupati
- Member, DBT-Builder , SPMVV, Tirupati

Professional/ Academic/ Administrative Recognitions:

- Member, Indian Science Congress Association.
- Member, Ethological Society of India.
- General Secretary, Alumni Association, SPMVV, Tirupati.
- Member, Teachers Association, SPMVV, Tirupati.