

Dr. (Mrs.) Priti Jogee - Agarkar

E-mail- priti25.bio@gmail.com

Key Skills

Research and Development, Botany, Palynology, Mycotoxins, Zoology, Biotechnology, Nanotechnology, Molecular biology

Publications Total (Impact factor 9.588) , Total citation – 75, h-index- 5

- **Jogee, P. S.**, Ingle, A. P., Gupta, I. R., Bonde, S. R., Rai, M. K. 2012. Detection and management of mycotoxigenic fungi in nuts and dry fruits. *Acta Horticulturae*. 963, 69-77. **Cited by 7**
 - **Jogee, P. S.**, Rai, M. 2017. Isolation and Identification of Toxigenic Fungi in Infected Peanuts and Efficacy of Silver Nanoparticles against them. *Food Control* 71:143-151. **(IF-3.496) Cited by 9**
 - **Jogee, P. S.**, Rai, M. 2018. Growth inhibition of mycotoxigenic fungi isolated from peanuts by the application of essential oils alone and in combination with silver nanoparticles. *International Journal of Food Microbiology* (**Communicated**).
 - Rai, M., Paralikar, P., **Jogee, P. S.**, Agarkar, G., Ingle, A. P., Derita, M., Zacchino, S. 2017. Synergistic antimicrobial potential of essential oils in combination with nanoparticles: Emerging trends and future perspectives. *International Journal of Pharmaceutics* 519(1-2):67-78. **(IF-3.649) Cited by 18**
 - Rai, M., **Jogee, P. S.**, Ingle, A. P. 2015. Emerging nanotechnology for detection of mycotoxins in food and feed. *International Journal of Food Science and Nutrition*. 66(4): 363–370. **(IF-1.202) Cited by 16**
 - Agarkar, G., **Jogee, P. S.**, Paralikar, P., Rai, M. *Vitex negundo*: Pharmacological activities and its commercial products. In: *Therapeutic Medicinal Plants: From Lab to the Market* (ed. M. C. T. Duarte and M. Rai), Taylor and Francis Group, Boca Raton, FL, USA, 392-405.
 - Rai, M., **Jogee, P. S.**, Agarkar, G., dos Santos, C. A. 2016. Anticancer activities of *Withania somnifera*: Current research, formulations and future perspectives. *Pharmaceutical Biology* 54(2): 189-197. **(IF-1.241) Cited by 25**
-

Abstracts/ Paper Presented in Conferences

International

- **Jogee, P. S.**, Rai, M. 2015. Biogenic nanoparticles as a tool for the management of mycotoxigenic fungi in *Areca catechu* nuts. In: 2nd International conference on Frontiers In Biological Sciences (InCoFIBS-2015). 22nd -24th January, 2015. Sponsored by ICMR, Govt. Of India, at National Institute of Technology, Rourkela, Odisha, India.

- **Jogee, P. S.,** Rai, M. 2015. Detection of Fungal Contamination in Peanuts and their Management by Silver Nanoparticles. In: 2nd International Symposium on Mycotoxins in Nuts and Dried Fruits (ISMNDF)”, held on 8th – 12th September, 2015, organized by Raw Materials Research and Development Council Headquarter (RMRDC), No 17, Aguiyi Ironsi Street, Maitama, Abuja, Nigeria. nigeria

National

- **Jogee, P. S.,** Gade, A. K., Rai, M. K. 2015. Promising approach for inhibition of fungal growth in peanuts by silver nanoparticles. In: National Seminar on Applications of Nanobiotechnology, organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 16th March 2015.
- **Jogee, P. S.,** Rai, M. K. 2013. Nanotool: Nanoparticles as a tool in the management of mycotoxigenic fungi from *Areca catechu*. In: National Conference on Prospectus of Biotechnology, organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 25th – 26th November 2013.
- **Jogee, P.S.,** Rai, M. K. 2013. Role of Nanoparticles in the management of mycotoxigenic fungi from *Areca catechu*. In: National Seminar on Trends in Nanobiotechnology, organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 4th January 2013.

Career Contour

- **Doctor of Philosophy in Science (Botany)**
Research Topic: Detection and Management of Toxigenic Fungi in Peanuts Causing Mycotoxicoses in Human beings with Special Reference to Role of Nanofunctionalized Essential Oils.
Research center: Department of Biotechnology, SGB Amravati University, Amravati.
 Convocation: February 2017
- M.Sc. Botany RTM Nagpur University 2009 (77%)
- B.Sc. (CBZ) RTM Nagpur University 2007 (79.4%)
- Higher Secondary Nagpur Board 2003 (73.83%)
- Senior Secondary Nagpur Board 2001 (76.2%)

Co-curriculum

- Participated and poster presented in ‘2nd International conference on Frontiers In Biological Sciences (InCoFIBS-2015).’ 22nd -24th January, 2015. Sponsored by ICMR, Govt. Of India, at National Institute of Technology, Rourkela, Odisha, India.

- Participated and poster presented in ‘National Seminar on Applications of Nanobiotechnology.’ organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 16th March 2015.
- Participated and poster presented in ‘National Conference on Prospectus of Biotechnology,’ organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 25th – 26th November 2013.`
- Participated in eight days ‘Training workshop on advanced molecular techniques’ organized by department of Botany, RTM Nagpur University, Nagpur, held on 10th -17th November, 2010.
- Participated in National conference organized by Govt. Institute of Science, Nagpur, held on 20th – 21st January, 2009.

Achievement

- Bagged **3rd prize** for poster presentation in ‘National Seminar on Trends in Nanobiotechnology,’ organized by Department of Biotechnology, SGB Amravati University, Amravati, held on 4th January 2013.
- Bagged **Jubulpore Horticulture Show Award** for obtaining the highest percentage of marks in the subject **Botany** on 30th April 2007.
- Bagged **1st Prize** in District level ‘Pradnya Sourabh Competitive exam’ on 27th December 1998.
- Bagged **2nd Prize** in District leveled ‘Bhartiya Sanskruti dnyan exam’ conducted by Indian Red cross society on 2001.
- Bagged **3rd Prize** in Tahasil level ‘Savner post general knowledge competitive exam’ on 18th March 1999.

Proficiency in handling Instruments

Compound and light microscope, UV-Visible spectrophotometer (Shimadzu 1700), Nanoparticle Tracking Analysis system LM20 (Nanosight), Fourier Transform Infrared Spectroscopy (Shimadzu), Zetasizer (Malvern), Nanodrop (Thermo Scientific), PCR thermal cycler, Gel doc, Agarose electrophoresis.