

## Publications

### Book Chapter:

1. Samlesh Kumari and **Pragya Kulkarni**, Potential concern of foodborne pathogens in food industry. In Biological and Chemical hazards in food and food products: Prevention, Practice and management, Chapter 2, Vol. 36, Ed. Santosh K. Mishra, Megha R. Goyal and Manju Gaare, 2021.

### Full Papers:

#### 1989

1. S.M. Kumar, S.S. Ali and **Pragya Kotwaliwale**, Assessment of yield and Biological efficiency of *Pleurotus* spp. on two natural substrates. Biome, 4(2):129-132.

#### 1991

2. **Pragya Kotwaliwale** and S.S. Ali, Studies on *Pleurotus* spp. as related to spawn production. Indian Mushrooms, 72-73.

#### 2007

3. **Pragya Kulkarni**, Arbuscular Mycorrhizal association and diversity with some weeds of cultivated fields. Adv. Plant Sci., 20(2):69-73.
4. **Pragya Kulkarni**, Prashant Shrivastava, N.P.Dixit and A. Asthana, Mandeepkhol Cave: Natures wonder in Rajnandgaon Dist. Chhattisgarh, India. J Currt. Sci. 10(2) 757-762.
5. Prashant Shrivastava, N.P.Dixit and **Pragya Kulkarni**, Mandeepkhol Caves: A classical site of Krast Topography, Rajnandgaon Dist. Of Chhattisgarh, India.Ultra Sci. 19(1):153-155.

#### 2008

6. **Pragya Kulkarni** and Akanchha Singh, Occurrence of Arbuscular Mycorrhizal association and diversity in field weeds. J. Bot. Soc. Sagar Uni. 43: 88-95.

#### 2010

7. **Pragya Kulkarni**, Vesicular Arbuacular Mucorrhizal infection process in *Andrographis peniculata*. National Journal of Life Sciences. 7 (3):

#### 2011

8. Khilendra Dewangan, A.K. Shrivastava and **Pragya Kulkarni**, A prevalence of sickle cell disease among various communities in Jamul area of Bhilai, Chhattisgarh, India. In, Proceedings: National seminar on Sickle Cell Disease, Kabirdham Dist. 29-30 Jan 2011, pp. 80-83.
9. **Pragya Kulkarni**, Aeromycological profile of the public parks of Bhilai Township, Chhattisgarh, India. Indian Journal of Science and Technology. 4(5): 19-21.
10. **Pragya Kulkarni**, Biodiversity of ArbuscularMycorrhizal (AM) fungi associated with cultivated medicinal plants. Adv. Plant Sci. 24(1): 125-128. (IF- 2.7)

11. **Pragya Kulkarni**, Response of Arbuscular Mycorrhiza (AM) fungi on growth of cultivated medicinal plants. *Adv. Plant Sci.* 24(2): 487-490. (IF - 2.7)
12. Khilendra Dewangan, A.K. Shrivastava and **Pragya Kulkarni**, Differential temperature and growth pattern of *Bacillus subtilis* strain isolated from different area of Bhilai (C.G.) In Proceedings National Seminar on Climate Change and its effect on Biodiversity. Bhilai, 67-71.
13. **Pragya Kulkarni**, Intramural Aeromycological studies in the environment of residential colonies near social forests of Bhilai Township, Chhattisgarh. In Proceedings National Seminar on Climate Change and its effect on Biodiversity. Bhilai.
14. **Pragya Kulkarni**, Airborn *Aspergillus* in different environments of Bhilai Township. In Proceedings of National Seminar on Emerging Trends in Scientific Research, 11-12 October 2011, Durg. 81-85
15. Khilendra Dewangan, **Pragya Kulkarni** and A.K. Shrivastava, Isolation, confirmation and amplification of  $\alpha$  amylase from *Bacillus subtilis* soil isolates. *Int. Res.J. Lab to Land*, 3(11): 373-375.

## 2012

16. Sujata Gaherwar and **Pragya Kulkarni**, Studies on absorption tendencies of chromium & zinc from water by *Pistia stratiotes* under experimental conditions. *National Journal of Life Sciences*, Volume 09 (1): 128-130
17. Sujata Gaherwar and **Pragya Kulkarni**, Studies on removal of toxic heavy metals from water by *Eichhornia crassipes* *National Journal on Scientific Research*, 3(2): 99- 103.
18. **Pragya Kulkarni** and Rozina Siddique, Evaluation of antimicrobial activity and characterization of soil Actinomycetes from Social Forest area of Bhilai Township, Chhattisgarh. *Journal of Pure and Applied Microbiology*, 6 (2): 1985-1990.
19. Sujata Gaherwar and **Pragya Kulkarni**, Bioabsorption of Zinc from pond water using water lettuce (*Pistia stratiotes*). *Journal of Ecobiotechnology*, 4 (2):145-147.

## 2013

20. **Pragya Kulkarni** and Nivedita, Screening and evaluation of soil fungal isolates for xylanase production. *Recent Research in Science and Technology*, 5(2): 33-36.
21. A. Oudhia, N. Brahme, **Pragya Kulkarni** and Savita Sharma, Antibacterial activity of ZnO nanoparticles obtained using Neem leaf extract as Biological Template against *Escherichia coli*. *Adv. Plant Sci.* 26(2): 367-370. (IF- 2.7)

## 2014

22. **Pragya Kulkarni**, Effect of Agro-Edaphic conditions on the association, diversity and distribution of AM fungi associated with indigenous weed flora. *Indian J.Sci.Res.*4 (1): 53-59. (IF 1.4)
23. Chetna Gupta and **Pragya Kulkarni**, Fresh Water Cyanophycean Algae from Durg and Rajnandgaon District (C.G.), India. *International Journal of Science and Research (IJSR)*, 3(8): 1337-1341. (IF : 3.358)

24. Sujata Gaherwar and **Pragya Kulkarni**, Studies on removal tendencies of toxic heavy metals from water by *Pistia stratiotes* and *Eichhornia crassipes* Adv. Plant Sci. 27(2): 367-370. (IF– 2.7)
25. **Pragya Kulkarni** and Chetna Gupta, Heavy Metal Tolerance Studies of Cyanobacterial Species under Experimental Conditions. Periodic Research, 3(2): 93-95, 2014.

## 2015

26. Savita Sharma, A. Oudhia and **Pragya Kulkarni**, Green synthesis of ZnO nanotubes for bioapplications. International Journal of Advanced Engineering Research and Studies, 4(2): 280-281, 2015.
27. Savita Sharma, A. Oudhia and **Pragya Kulkarni**, Study of Photocatalytic Degradation of Methyl Orange by ZnO Catalysts synthesized through biotemplates. International Journal of Computer & Mathematical Sciences, 4, Special Issue September: 47-52, 2015.
28. **Pragya Kulkarni** and Chetna Gupta, Heavy metal tolerance studies on the fresh water filamentous cyanobacterial species of Durg-Rajnandgaon dist., CG, India. Adv. Plant Sci. 28(2): 217-220, 2015. (IF– 2.7)
29. Savita Sharma, Anjali Oudhia, Nameeta Brahme and **Pragya Kulkarni**, Study of photocatalytic degradation of methyl orange on ZnO catalyst synthesized using medicinal plant (*Catharanthus roseus*) as bio-template. Int. J. Advanced Research in Science and Engineering. 4(1): 124-129.

## 2016

30. A. Oudhia, S. Sharma, **P.Kulkarni** and R. Kumar, Blue emitting ZnO nanostructures grown through cellulose bio-templates. Luminescence, 31(4): 978-85 2016
31. Chetna Gupta and **Pragya Kulkarni**, Morpho-Taxonomic Studies of Cyanobacterial species from the paddy fields of Rajnandgaon –Durg district, India. Adv. Plant Sci. 29(2): 175-178, 2016. (IF– 2.7)
32. Chetna Gupta and **Pragya Kulkarni**, A comparative study on Nostoc and Oscillatoria spp. for heavy metal tolerance and biomass production National Journal of Life Science, 13(2) : 147-150, 2016

## 2017

33. Estimation of Chlorophyll content of some green leafy vegetables for their biochemical properties. Indian J. Sci. Res. 13(2): 170-171, 2017

34. Effect of heavy metals as environmental stress on some leafy vegetables. Indian J. Sci. Res., 12 (2): 197-199, 2017
35. Effect of Cross Linking on the Toxicity of CdTe QDs in Solid/ Liquid Medium. Journal of Biotechnology and Biochemistry. 3(3): 60-64, 2017
36. Amelioration of toxic effects of heavy metals in Gram and Paddy through *Nostoc spongiaeforme*. Flora and fauna. 23 (Special Issue) : 116-123.
37. Estimation of chlorophyll content of some medicinal plants for their biochemical properties. Flora and Fauna. 23 (Special Issue): 124-126.

**2020**

38. Standardization of Bioprocess Parameters for Optimization of Xylanase Production by *Aspergillus niger* Soil Isolate. IJCRT, 8(4): 1099-1109, 2020