

CURRICULUM VITAE

Dr. S. K. Dwivedi

M.Sc., Ph.D., F.B.S., F.P.E.A., F.P.S.I., F.T.E.

Professor & Dean

Department of Environmental Science
School of Environmental Sciences
B.B. Ambedkar (A Central) University
Rae Bareli Road, Lucknow- 226025, India

Name: Dr. Shiv Kumar Dwivedi

Father's Name: Prof. R. S. Dwivedi

Email Id: skdwivedibbau@gmail.com; skdwivedibbau@yahoo.co.in

UNIVERSITY EDUCATION

Exam Passed	Year	Subjects offered	Institution
B.Sc.	1982	Botany, Zoology, Chemistry	Gorakhpur University
M.Sc.	1984	Botany	Gorakhpur University
Ph.D.	1989	Botany	Banaras Hindu University

FIELD OF SPECIALIZATION

Plant Pathology, Microbial Ecology and Environmental Microbiology

Research work done: Microbial Diversity in soil ecosystem with reference to climate change; Physico-chemical properties of soil and its correlation with disease severity and fungal diversity in crop field soil of some economic crops (Fruit, vegetables, cereals and pulses); Histopathological studies of affected parts of important crop plants, using SEM; FTIR analysis of secondary metabolites secreted by fungal antagonists; Litter decomposition of grassland ecosystem with emphasis on fungal succession and antibiosis; Phytoremediation; Enzyme (Cellulase, PG, PME) activities in some pathogenic fusaria; Integrated management of phytopathogens using chemicals, botanicals, fungal antagonists and soil pasteurization technique, etc. for management of the soil fusaria causing diseases in guava, linseed, tomato, brinjal, arhar crops; Important fungal antagonists have also been studied as biocontrol means against the *Macrophomina phaseolina* and *Fusarium* spp., in particular; Role of lichens in biomonitoring of atmospheric pollutants and heavy metal accumulation on historical monuments; PGPR in crop improvement; fungicidal property of medicinal plants, etc.

RESEARCH AND TEACHING EXPERIENCE

Research Experience: 33 years
Post-doctoral Research Experience: Eight (8) years including Senior Research Fellow, Research Associateship & Pool officer
Teaching Experience: 22 years

FELLOWSHIPS/AWARDS

- **Awarded Senior Research Fellowship of:**
 - ✓ ICAR, New Delhi (24.04.1986 – 23.04.1989)
 - ✓ CSIR, New Delhi (24.04.1989 – 06.12.1991)
- **Awarded Research Associateship of:**
 - ✓ UGC, New Delhi (07.12.1991 – 31.01.1992)
 - ✓ CSIR, New Delhi (01.02.1992 – 31.01.1997)
- **Awarded Senior Research Associateship (Pool Officership) of the CSIR, New Delhi:** (01.05.1997 – 11.12.1997)
- Awarded **Young Scientist Award** by the Society for Eco-Sustainable Development in the field of **Environmental Microbiology** in the year 2002-03.
- Awarded **Shiksha Rattan Award** by India International Friendship Society, New Delhi in the year 2010.
- Awarded **Bharat Excellence Award** by Friendship Forum of India, New Delhi in the year 2016.
- **Prof. V. Puri Medal Award** by Indian Botanical Society (2017).
- **Best Paper Award (2017)** on the research paper entitled “Studies on uptake and localization of metals in lichens growing around thermal power plant through SEM and FTIR techniques” in the *Journal of Cryptogam Biodiversity and Assessment*. 2(1), 37-52 (e ISSN-2456-0251).

HONOURS/RECOGNITION/RESPONSIBILITIES/OTHER ACTIVITIES

- Chairman, **Board of Post Graduate Studies (BPGS)**, Dept. of Environmental Science, BB Ambedkar University, Lucknow (17-02-2016 to 16-02-2019).
- Chairman, **Departmental Research Committee (DRC)**, Dept. of Environmental Science, BB Ambedkar University, Lucknow (17-02-2016 to 16-02-2019).
- Member, **School Board** (Environmental Science), B.B.A. University, Lucknow.
- Member, **Research Degree Committee of the University (RDCU)**, of the Dept. of Environmental Science, B.B. Ambedkar University, Lucknow.
- Member, **Academic Council**, B.B. Ambedkar University, Lucknow.
- Serving as **Technical Advisor** of the Purvanchal Environmental Association.
- Ex-member of the **Editorial Advisory Board** of the Arunachal University Research Journal.
- Ex-member, **Proctorial Board**, B.B. Ambedkar University, Lucknow.
- Ex-Member, **Examination committee**, BB Ambedkar University, Lucknow.
- Ex Member, **Board of Management**, B.B. Ambedkar University, Lucknow.
- Ex founder **Co-ordinator**, Deptt. of Applied Chemistry, B.B. Ambedkar University, Lucknow
- **Ex-Head of the Department** (17th February, 2016 to 16th February, 2019).
- Member, Selection Committee at Banaras Hindu University, Varanasi. (June, 2016)
- **Subject Expert**, H. N. B. Garhwal University.
- **Vice President**, Society for Environmental Sustainability, Lucknow (Reg. No. 2313)
- **Associate Editor**, *J. of Environmental Sustainability* (Springer).
- **Dean**, School of Environmental Sciences since 27th March, 2018.

EXPERIENCE OF EXAMINATION WORK

Graduate, Postgraduate and Ph.D. thesis of different **Universities of India and abroad** (D.D.U., Gorakhpur Univ., V.B.S., Purvanchal Univ., R.M.L. Avadh Univ., C.C.S. Univ., Meerut, Rajarshi Tandon Open Univ., Gurkul Kangri Univ., B.B. Ambedkar Univ., Rohil Khand Univ., Allahabad Central Univ., Jiwaji Univ., CSJM University, Kanpur, S.S. University, Varanasi, M.G. Kashi Vidyapeeth, Varanasi), Sardar Patel University, Gujarat, University of Jammu, Jammu, **Kwazulu-Natal University, South Africa** and paper setter of all India Competitive Examination for various courses.

WORKSHOP/ORIENTATION COURSE/ REFRESHER COURSE ATTENDED

- Attended **National Workshop** on Biostatistics and Biometry at the Banaras Hindu University, Varanasi, India.
- Participated and attended short-term course on Personal Computer at the Banaras Hindu University, Varanasi, India.
- Attended and successfully completed **Orientation Course** from Lucknow University (September 1998).
- Attended and successfully completed **Refresher course** in Botany from Lucknow University in March 2004 with Grade "A".
- SAARC Workshop on Biodiversity Conservation, Sept. 21-22, 2010, BHU.
- Workshop on Mainstreaming climate change adaptation and disaster risk reduction, March 7, 2014, BBAU, Lucknow.

PUBLICATIONS (SUMMARY)

Total no. of Publications: Papers Published/ in press/ accepted in International / National Journals/ Proceeding of Conference(s)/ Book chapters: **114**

- a) Abstracts published: **141**
- b) Books: **02**

Books Published

- a) **Environmental Microbiology and Biotechnology**
(In co-editorship with D.P. Singh) New Age International Publishers, New Delhi (2004) pp 239. (ISSN-81-224-1510-5)
- b) **Biodiversity and Environmental Biotechnology**
(In co-editorship with P. Dwivedi and M.C. Kalita) Scientific Publishers, Jodhpur (2007). pp. 563 (ISBN: 81-7233-467-2)

Research Supervision Experience

Experience of supervising Ph.D. and M.Sc. students:

- a) at **Doctoral Level- (19)**
 - (i) Ph.D. awarded: **11**
 - (ii) Pursuing at present: **09**
- b) at **M.Sc. Level - (69)**

Membership and Fellow of Learned Scientific Societies

- (1) Life Member, Indian Science Congress Association
- (2) Life Member, Indian Phytopathological Society*(1996)
- (3) Life Member, Indian Botanical Society* (1993)
- (4) Life Member, Indian Lichenological Society
- (4) Life Member, Indian Aerosol Science & Technology
- (5) International Society for Tropical Ecology*(1999)
- (6) Purvanchal Environmental Association*(1994)

* Fellow of the society

PUBLICATIONS

International Refereed Publications

1. **Dwivedi S.K.**, Mishra R.C. and Dwivedi R.S. (1988). Incidence of wilt disease of guava (*Psidium guajava* L.) in Varanasi, India. *Int. J. Trop. Pl. Diseases*. 6: 213-216. (ISSN:0254-0126)
2. **Dwivedi S.K.** (1991). Population dynamics of microfungi including pathogenic forms in the beds of completely healthy partially wilted and completely wilted guava trees grown on a line. *Int. J. Trop. Pl. Diseases*. 9: 95-109. (ISSN:0254-0126)
3. **Dwivedi S.K.** (1991). Effect of some heavy metals on growth of *Fusarium oxysporum* f. sp. *psidii* causing guava wilt disease. *International J. Trop. Pl. Diseases*. 9: 127-130 (ISSN: 0254-0126)
4. **Dwivedi S.K.** (1991). Effect of staled growth products of some soil fungi on a wilt pathogen of guava (*Psidium guajava* L.) *Annals of Applied Botany*. 118: 42-43. (ISSN: 0003-4746).
5. **Dwivedi S.K.** (1993). Soil solarization adversely affects some fungal pathogens causing wilt disease of guava (*Psidium guajava* L.). *Soil Biology and Biochemistry*. 25 (11): 1635-1636.
6. **Dwivedi S.K.** and Dwivedi, R.S. (1994). Population dynamics of guava (*Psidium guajava* L.) wilt pathogens in pesticides treated soil. *Int. J. Trop. Pl. Diseases*. 12 (2): 187-195.
7. **Dwivedi S.K.** and Dwivedi Padmanabh (1999). Wilt disease of guava: a national problem. *J. Applied Hort.* 1 (2): 151-154.
8. Srivastava S., Garg A., Ayyagari A., Nyati K.K., Dhole T.N. and **Dwivedi S.K.** (2006) Nucleotide polymorphism associated with ethambutol resistance in clinical isolates of *Mycobacterium tuberculosis*. *Current Microbiology* 53:401-405.
9. Bajpai R., **Dwivedi S.K.** and Upreti D.K. (2008). Observation on lichens growing over some monuments of Dhar and Mandav Area of Madhya Pradesh, India. *Flora and Fauna*.14 (2):253-258. (ISSN: 0971-6920)
10. Srivastava S., Ayyagari A., Dhole TN., Nyati K.K. and **Dwivedi S.K.** (2008). Emb nucleotide polymorphisms and the role of emb B306 mutations in *Mycobacterium tuberculosis* resistance to ethambutol. *International J Medical Microbiology* (IJMM).Online published (DOI: 10.1016/j.ijmm.2008.07.00)
11. Bajpai R., **Dwivedi S.K.** and Upreti D.K. (2009). Arsenic accumulation in lichens of monuments of Dhar District, Madhya Pradesh, *Environmental Monitoring Assessment* (Netherland)- Online Published (DOI 10.1007/s 10661-008-0641-7 ;159: 437-442.
12. Bajpai R., Upreti D.K, **Dwivedi S.K.** and Nayaka S. (2009). Lichen as quantitative biomonitors of atmospheric heavy metals deposition in Central India. *J. Atmos. Chemistry*, 63:235-246.
13. Bajpai R., Upreti D.K. and **Dwivedi S.K.** (2010). Passive monitoring of atmospheric heavy metals in a historical city of central India by *Lepraria lobificans* Nyl. *Environmental*

- Monitoring and Assessment* (Netherlands) (MS.No. : EMAS3843) (Online Published) DOI:10.1007/s10661-009-1016-4.
14. Shukla Ankita and **Dwivedi, S.K.** (2011). Implication of solarization against soil-borne fusaria in leguminous crop fields in kalli paschim village in Lucknow, India: A Tropical country. (with Ankita Shukla). *International Journal of Environmental Sciences* (ISSN 0976-4402). **2** (2): 1083-1092.
 15. Shukla Ankita and **Dwivedi, S.K.** (2012). Bioefficacy of plant extracts against *Fusarium* species causing wilt in pulses (with Ankita Shukla). *IOSR Journal of Engineering* (IOSRJEN) **2** (1): 136-144 (ISSN: 2250-3021).
 16. **Dwivedi, S.K.** and Dwivedi Neetu (2012). *In vitro* Bioefficacy of some selected fungal antagonists against guava wilt pathogen. *IOSR Journal of Engineering* **2** (5): 1217-1223 (ISSN: 2250-3021).
 17. **Dwivedi, S.K.** and Dwivedi Neetu (2012). Antifungal activity of some plant extracts against guava wilt pathogen (with Dwivedi, Neetu.). *International Journal of Environmental Sciences*. **3** (1): 412-420 (ISSN: 0976-4402).
 18. **Dwivedi, S.K.** and Enespa (2012) Effectiveness of extract of some medicinal plants against soil-borne fusaria causing diseases on *Lycopersicon esculantum* and *Solanum melongena* plants. *International Journal of Pharma and Biosciences*. **3**(4): (B) 1171-1180 (ISSN 0975-6299).
 19. Enespa and **Dwivedi S.K.** (2013). Effect on growth parameters of brinjal (*Solanum melongena* L.) after exposure of cement dust. *International Journal of Pharma and Bio Sciences*-(4(1): (B) 755-759. (ISSN: 0975-6299).
 20. **Dwivedi, S.K.** and Enespa (2013). *In vitro* efficacy of some fungal antagonists against *Fusarium solani* and *Fusarium oxysporum* f.sp. *lycopersici* causing brinjal and tomato wilt. *International J. of Biological and Pharmaceutical Research*. (IJBPR) (ISSN: 0976-3651) **4**(1): 46-52. (I.F.- 1.34).
 21. Shukla Ankita and **Dwivedi, S.K.** (2013). Antifungal approach of phenolic compounds against *Fusarium udum* and *Fusarium oxysporum* f. sp. *ciceri*. *African J of Agril. Res.* **8**(7): 596-600 (ISSN: 1991-637X). (I.F. 0.26)
 22. Enespa and **Dwivedi S.K.** (2013). Effect of cement dust on growth parameters of tomato (*Lycopersicon esculentum* L.). *International J. Bio-resource and Stress Management*. **4**(1):064-067. (NASS rating 4.46)
 23. **Dwived S.K.** and Enespa (2013). Studies on fusarial wilt pathogen of two vegetable crop fields with emphasis on physico-chemical properties. *International Journal of Agronomy and Plant Production*. **4**(9):2130-2137. (ISSN: 2051-1914). (I.F. 0.55)
 24. **Dwivedi S.K.** and Sangeeta (2013). Fungal succession in composite soil on staled agar disc at different staling periods. *G- Journal of Environmental Science and Technology*. **1**(2): 37-42. (ISSN: 2322: 0228).
 25. **Dwivedi S.K.** and Ram Gopal (2013). Microbial population in rhizospheric and non-rhizospheric soils of Soybean crop. *G- Journal of Environmental Science and Technology*. **1**(2): 47-50. (ISSN: 2322: 0228).
 26. **Dwivedi S.K.** and Ram Gopal (2013). Effect of Plant Growth Promoting Rhizobacteria and P₂O₅ on Soybean (*Glycine max* L.) crop. *International Journal of Biological & Pharmaceutical Research* (IJBPR). **4**(12): 1270-1276. (ISSN: 0976-3651) (I.F.- 1.34).
 27. **Dwivedi S.K.** and Sangeeta (2014). Evaluation of Antagonistic Potentiality of some Natural Plant Extracts against *Fusarium oxysporum* f.sp. *lini*. *International Journal of Pharma and Bio Sciences* (IJPBS). **5**(1): (B)765-772. (ISSN: 0975-6299) (I.F.- 0.69).
 28. **Dwivedi S.K.** and Ram Gopal (2014). Screening of microfungi from Soybean (*Glycine max* L.) seeds. *International Journal of Pharma and Bio Sciences* (IJPBS). **5**(1):(B)877-881. (ISSN: 0975-6299) (I.F.- 0.69).
 29. **Dwivedi S.K.** and Sangeeta (2014). Effect of fungal staling growth substances of precolonized microfungi on colonization of some potential microfungi of composite soil inocula. *International Journal of Scientific and Research Publications*. **4**(2): 1-12. (ISSN: 2250-3153) (I.F.- 1.3).

30. Enespa and **Dwivedi S.K.** (2014). Effectiveness of some Antagonistic fungi and botanicals against *Fusarium solani* and *Fusarium oxysporum* f.sp. *lycopersici* infecting brinjal and tomato plants. *Asian Journal of Plant Pathology* (USA) DOI:10.3923/AJPPAJ.2014. p. 1-8 (ISSN: 18191541) (H Index: 3)
31. **Dwivedi S.K.** and Agrahari D.K. (2014). Studies on soil fungi of wheat crop field with reference to antibiosis. *International J. Biological and Pharmaceutical Research* (IJBPR). 5(2): 186-190. (ISSN: 2229-7480) (I.F. 1.34)
32. Agrahari D.K. and **Dwivedi S.K.** (2014). *In vitro* and *in vivo* evaluation of some pesticides against *Fusarium solani*. *International J Multidisciplinary Educational Research*. Vol 3: 2(3): 164-172. (ISSN: 2277-7881) (I.F. 2.735)
33. Srivastava J., **Dwivedi S.K.** and Kamthan K.P. (2014). Management of chickpea wilt: A Review. *Flora and Fauna* (NAAS Rating: 2.02) 20(1):11-14. ISSN: 0971-6920.
34. **Dwivedi S.K.**, Sangeeta and Ram Gopal (2015). Role of mycorrhizae as Biofertilizer and Bioprotectants. *International Journal of Pharma and Biosciences*. 6(2): (B) 1014-1026. (ISSN: 0975-6299) (IF- 5.121)
35. **Dwivedi S.K.**, Yadav Upma and Enespa (2015). Efficacy of Some Medicinal Plant Extracts, Oil and Microbial Antagonistic Against *Fusarium* spp. Affecting Brinjal and Guava Crops. *Asian Journal of Plant Pathology*. p. 1- 11. ISSN: 1819-1541/ DOI: 10.3923/ajppaj. 2015.
36. **Dwivedi S.K.** and Enespa (2015). *In vitro* cellulose activity of two wilt causing soil fusaria (*Fusarium solani* and *Fusarium lycopersici*) and efficacy of some pesticides against the said fusaria. *Journal of Applied Horticulture*. 17(1):58-65. (ISSN: 0972-1045).
37. Gupta Namita, Gupta Vartika, **Dwivedi S.K.** and Upreti D. K. (2015). Comparative bioaccumulation potential of *Pyxine cocoes* and *Bacidia submedialis* in and around Faizabad city, Uttar Pradesh, India. *G- Journal of Environmental Science and Technology*. 2(6): 86-92. ISSN (Online): 2322-0228 (Print): 2322-021X. (IF- 0.564)
38. **Dwivedi S.K.** and Sangeeta (2015). Efficacy of Some Medicinal Plant Extract against *Fusarium oxysporum* f. sp. *ciceri* Causing Chickpea Wilt. *Asian Journal of Crop Science*. p. 1- 9. ISSN: 1994-7879/ DOI: 10.3923/ajcs.2015.
39. Srivastava Jyoti, **Dwivedi S.K.** and Prasad Chandan (2015). Efficacy of Some Fungal Antagonist against Chickpea Wilt *Fusarium oxysporum* f. sp. *ciceri*. *International Journal of Science and Technology*. 5(3): 8-18. ISSN (Online): 2250- 141 X. (IF- 1.002)
40. **Dwivedi S.K.** and Enespa (2016). *Tinospora cordifolia* with reference to biological and microbial properties. *International Journal of Current Microbiology and Applied Sciences*. 5(6):446-465. ISSN: 2319-7706 (print version). (IF- 2.937) Doi: 10.20546/ijcmas.2016.506.052
41. Dwivedi Neetu and **Dwivedi S.K.** (2016). Histopathological observations in guava root during wilting caused by *Fusarium* species: A Scanning Electron Microscopy study. *International Journal of Fruit Science*. P. 1-6. (**Taylor and Francis** ISSN: 1553-8362 (Print), 1553-8621 (Online)). Dx.doi.org/10.1080/15538362.2016.1160270 vol.- 16; issue- 3, July, 2016; Pages: 335-340 (IF- 5.0)
42. Gupta Namita, Gupta Vartika and **Dwivedi S.K.** (2016). New addition of lichen flora of Uttar Pradesh, India. *Tropical Plant Research*. 3(1): 153-156. ISSN (Online): 2349-1183; (Print): 2349-9265. (UGC Approved Journal).
43. Sangeeta and **Dwivedi S. K.** (2016). Fungitoxicity of some antagonistic soil fungi against *Fusarium oxysporum* f.sp. *ciceri*. *Journal of Applied Microbiology* (Communicated)
44. **Dwivedi S. K.** and Prasad Ganesh (2016). Integrated management of *Sclerotium rolfsii* : An Overview. *European Journal of Biomedical and Pharmaceutical Sciences*. 3(11): 137-146. ISSN (Online): 2349-8870. (IF- 3.881) (UGC Approved Journal)
45. Gupta Namita, **Dwivedi S.K.** and Upreti D. K. (2017). Physiological Variation and Accumulation of metals in two growth forms of lichens growing around Panki Thermal Power Plant of Uttar Pradesh, India. *International Journal of Advanced Research* (IJAR). 5(7), 1554-1564.(ISSN-2320-5407) (UGC Approved Journal)

46. Dwivedi Neetu, Kumar Pravita, **Dwivedi S.K.**, Kumar Pramod, Sonowal Kalpita and Jaspal Singh (2017). Green Technology: an eco-friendly approach towards sustainable agriculture. *GJEST (G-Journal of Environmental Science and Technology)*.4(4): 89-91. **(UGC Approved Journal)** (ISSN online: 2322-0228; print: 2322-021X)
47. Sangeeta, **Dwivedi S. K.** and Ram Gopal (2017). Impact of seasonal variation on Physico-chemical characteristics and vertical distribution of microflora of grassland ecosystem with reference to correlation. *Bulltein of Environmental and Scientific Research (Accepted)*
48. Sangeeta, **Dwivedi S. K.** and Ram Gopal (2017). Antagonistic potentialloty of some biocontrol agents against *Fusarium oxysporum* f.sp. *ciceri*. *International Journal of Environmental Science and Technology* (Springer) (M/S NO. JEST-D-17-00529). **(Communicated)**
49. Ram Gopal, **Dwivedi S. K.** and Sangeeta (2018). Antifungal activity of some isolates of PGPR against some seed-borne mycoflora of soybean. *Asian Journal of Microbiology, Biotechnology and Environmental Science*. 20 (1): 251-257 (ISSN No. 0972-3005)
50. **Dwivedi S. K.** and Prasad Ganesh (2018). Biological and chemical management of *Fusarium solani* causing wilt in Egg plant. *International Journal of Scientific Research and Reviews*. 7(4), 1914-1925.
51. Prasad Ganesh, Vinay Kumar and **Dwivedi S. K.** (2018). Antifungal activities of some selected medicinal plants against *Fusarium solani* causing wilt and rot in Pearl millet. 13 (1) 21-27 DOI: 10.15740/HAS/AJBS/13./21-27
52. Gupta Namita, **Dwivedi S.K.** and Upreti D. K. (2019). Management of *Macrophomina* associated with some agricultural crop. *Environmental Sustainability* (Springer, Nature) (ISSN-2523-8922) (Under Review)
53. Singh Garima and **Dwivedi S.K.** (2019). Role of fungal enzymes in removal of azo dyes. IN: *Microbial Enzyme: Role and Applications in Industry*. Arora et al. Eds, Springer Nature. (In Press)

National (Refereed) Publications

1. **Dwivedi S.K.**, Mishra R.C. and Dwivedi R.S. (1988). Incidence of wilt disease of guava (*Psidium guajava* L.) in Varanasi, India. *Int. J. Trop. Plant Diseases*. 6: 213-216. (ISSN: 0254-0126).
2. Singh R.K. and **Dwivedi S.K.** (1987). Mycology and antibiotic industries. *Prajna*, B.H.U. 33 (1): 43-46.
3. Singh R.K., Shukla R.P., **Dwivedi S.K.** and Dwivedi R.S. (1989). Disease severity of barley in relation to soil composition. *Nat. Acad. Sci. Letters, India*.12 (7): 245-246.
4. **Dwivedi S.K.**, Dwivedi R.S. and Tewari V.P. (1990). Studies on pathogenic fungi inciting guava wilt in Varanasi. *Indian Phytopath.* 43 (1): 116-117.
5. **Dwivedi S.K.** (1990). Studies on guava wilt in relation to soil composition. *Nat. Acad. Sci. Letters, India* (1990), 13 (5): 161-162.
6. **Dwivedi S.K.** (1990). Guava wilt incited by *Macrophomina phaseolina*. *Nat. Acad. Sci. Letters, India*. 13 (8): 302-303.
7. **Dwivedi S.K.**, Ambasht, R.S. and Dwivedi, R.S. (1990). Studies on seasonal variations in the population dynamics of soil fungi in wilted guava orchards. *J. Sci. Res.* 40 (1 & 2): 21-24.
8. **Dwivedi S.K.** (1990). Antifungal activity of some phenolic compounds on *Fusarium oxysporum* f. sp. *psidii* causing wilt disease of guava. *Hindustan Antibiotics Bulletin*. 32 (1 & 2): 33-35. (ISSN: 0018-1935)
9. **Dwivedi S.K.** (1990). Efficacy of some antibiotics on *Fusarium oxysporum* f. sp. *psidii* causing wilt disease of guava. *Hindustan Antibiotics Bulletin*. 32 (3 & 4) : 88-90. (ISSN: 0018-1935)
10. **Dwivedi S.K.** (1991). Studies on population dynamics of *Fusarium oxysporum* f. sp. *lycopersici* in solar heated soil. *Nat. Acad. Sci. Letters, India*. 14 (6): 235-237.

11. **Dwivedi S.K.** (1991). Effect of solar heating of soil on the dynamics of soil mycoflora. *J. Mycopath. Res.* 29 (1): 93-96.
12. **Dwivedi S.K.** (1991). *In vitro* studies on the effect of some pesticides on *Fusarium oxysporum* f. sp. *psidii* causing of guava. *J. Indian Bot. Soc.* 70: 283-285.
13. **Dwivedi S.K.** (1992). Effect of culture filtrates of some soil microbes on pathogens inciting wilt disease of guava (*Psidium guajava* L.) under *in vitro* conditions. *Nat. Acad. Sci. Letters, India.* 15 (2): 33-35.
14. **Dwivedi S.K.** (1993). *In vitro* studies on some soil microbes towards biological control of guava wilt pathogens. *Acta Botanica Indica.* 21: 137-139. (ISSN:0379-508X)
15. **Dwivedi S.K.**, Ambasht R.S. and Dwivedi R.S. (1993). Toxicity of some antagonistic fungi on pathogenic fungi of two economic crops. *Nat. Acad. Sci. Letters.* 16 (7 & 8): 209-210.
16. **Dwivedi S.K.** (1993). Fungitoxicity of *Foeniculum vulgare* seed oil against a guava wilt pathogen. *Nat. Acad. Sci. Letters.* 16 (7 & 8): 207-208.
17. **Dwivedi S.K.**, Ambasht R.S. and Dwivedi R.S. (1994). Studies on wilt disease incidence in guava plantation in Varanasi and adjacent districts. *J. Mycopath. Res.* 32 (1): 7-11.
18. Dwivedi Suresh K. and **Dwivedi S.K.** (1994). Evaluation of some antibiotics on *Fusarium equiseti* causing damping-off in guar (*Cyamopsis tetragonoloba* L. (Taub.)) seedlings. *Hindustan Antibiotics Bulletin.* 35 (3 & 4): 216-218. (ISSN: 0018-1935)
19. **Dwivedi S.K.** (1995). Effect of fungicides on wilt of guava seedlings. *Nat. Acad. Sci. Letters.* 18 (7 & 8): 129-130.
20. **Dwivedi S.K.**, Dwivedi R.S. and Ambasht R.S. (1995). Effect of some fungicides on population dynamics of fusarial wilt pathogens of two economic crops. *J. Mycopath. Res.* 33 (1): 49-52.
21. Sahu Vinay and **Dwivedi S.K.** (1999). Effect of fly ash on seed germination, plant growth and chlorophyll content of two crops of economic importance. *Acta Bot. Indica.* 27: 145-149. (ISSN:0379-508X)
22. Chaturvedi, Himanshu and **Dwivedi, S.K.** (2000). Effect of tannery effluent on soil mycoflora and seed germination of two leguminous crops. *Acta Bot. Indica.* 28: 99-100. (ISSN:0379-508X)
23. **Dwivedi, S.K.** (2000). Effect of some fungicides against *Macrophomina phaseolina* inciting guava wilt. *Arunachal University Research Journal.* 3 (2): 1-4.
24. Gupta Bhupesh and **Dwivedi, S.K.** (2002). Impact of air pollution on air mycoflora in Lucknow city. *J. Ind. Bot. Soc.* 82.
25. Bajpai R., Upreti D.K. and **Dwivedi S.K.** (2008) Diversity and distribution of Lichens on some major monuments of Madhya Pradesh, India. *Geophytology*. 37: 23-29.
26. Srivastava S., Ayyagari A., Krishnani N., Dhole TN., Nyati K.K. and **Dwivedi S .K.** (2008) Progression of chronic pulmonary tuberculosis in mice intravenously infected with ethambutol resistant *Mycobacterium tuberculosis*. *Indian J. Medical Microbiology* 26 (4): 342-34.
27. Bajpai R., Upreti D.K. and **Dwivedi S.K.** (2010). Calcium and magnesium accumulation in lichens growing over monuments of central India. *Indian J. of Environmental Sciences* 14(1):1-6.
28. **Dwivedi S.K.** and Enespa (2014). Evaluation of heavy metals toxicity against soil-borne fusarial pathogens causing wilt in vegetables crops. *J Mycopath. Res* 52(1): 69-73. (ISSN: 0971-3719)
29. Sangeeta, **Dwivedi S.K.** and Ram Gopal (2016). Microbial Communities and their functions with reference to ecological factors. In: *Cryptogam Biodiversity and Assessment.* 1(1): 36-42 (Online ISSN:2456-0251)
30. **Dwivedi S. K.** and Sangeeta (2016). *In vitro* bioefficacy of fungal antagonists in combination with natural plant extract against *Fusarium oxysporum* f. sp. *lini* causing linseed wilt, In: Biodiversity for Human Welfare. Indian Botanical Society Special volume. p. 48-51.
31. Gupta Namita, **Dwivedi S.K.** and Upreti D. K. (2017). Studies on uptake and localization of metals in lichens growing around thermal power plant through SEM and FTIR techniques.

Book Chapters

1. Dwivedi, R.S., Dubey, R.C. and **Dwivedi, S.K.** Biology of the rhizosphere with reference to microbial interactions. I S C A symposium, 1987. In: *Plant Microbe Interaction* (ed. K.S. Bilgrami) pp. 217-238. Narendra Publishing House, New Delhi.
2. **Dwivedi, S.K.** and Dwivedi, R.S. Guava wilt in India. In: *Botanical Researchers in India* (eds. N.C. Aery and B.L. Chaudhary) pp. 503-507 (1990). Himanshu Publications, Udaipur.
3. **Dwivedi, S.K.**, Ambasht, R.S. and Dwivedi, R.S. Population dynamics of soil fungi in wilted guava orchards. ISCA symposium, 1989. In: *Economic Plant and Microbes* (ed. R.P. Purkayastha). Today and tomorrow's Printers and Publishers, New Delhi (1990), pp. 227-230.
4. **Dwivedi, S.K.** and Dwivedi, R.S. Guava (*Psidium guajava* L.) disease syndrome and its managements. In: *Crop epidemics, microbes and ecosystem conservation* (eds. G.P. Agarwal and S.K. Hasija). Narendra Publishing House, Delhi (1994), pp. 235.
5. **Dwivedi, S.K.** and Dwivedi, R.S. Production and activities of Pectin methyl esterase and protease enzymes *in vitro* by *Fusarium solani* causing guava wilt. In: *Glimpses in Plant Sciences* (ed. K.R. Aneja), pp. 67-70 (1997) (ISBN: 9788175562769)
6. **Dwivedi, S.K.** and Dwivedi, Padmanabh. Mycorrhizae in ecosystems: an ecofriendly approach for improved plant growth. In: *Biotechnology of microbes and sustainable utilization* (ed. R.C. Rajak), Scientific Publishers, Jodhpur (2002), pp. 24-32. (ISBN: 10:8172333145).
7. Padmanabh Dwivedi and **Dwivedi, S.K.** Biopesticidal management of plant diseases In: *Microbial diversity: Status and Potential Applications* (eds. S.C. Tiwari and G.D. Sharma), Scientific Book Publishers, Guwahati (2002), pp. 220-235. (ISBN: 10:8128700006)
8. **Dwivedi, S.K.** and Dwivedi, Padmanabh. Biotechnological application of microbes for improved plant productivity. In: *Advances in Microbiology* (ed. P.C. Trivedi), Scientific Publisher, Jodhpur, India (2003), pp. 273-280. (ISBN: 81-7233-332-3)
9. Singh, D.P. and **Dwivedi S.K.** Environmental perspectives of Microbiology and Biotechnology: An overview. In: *Environmental Microbiology and Biotechnology* (ISBN – 81-224-1510-5) (eds D.P. Singh and S.K. Dwivedi) New Age International (P) Publishers, New Delhi (2004) pp.239.
10. Dwivedi, Padmanabh and **Dwivedi, S.K.** (2004) Nitrogen fixation and Biofertilizers. In: *Environmental Microbiology and Biotechnology* (ISBN – 81-224-1510-5) (eds. D.P. Singh and S.K. Dwivedi). New Age International (P) Publishers, New Delhi .p.126-14.
11. **Dwivedi, S.K.** and Dwivedi, Padmanabh. (2004) Microbial Interactions and Biocides. In: *Environmental Microbiology and Biotechnology* (ISBN – 81-224-1510-5) (eds. D.P. Singh and S.K. Dwivedi) New Age International (P) Publishers, New Delhi .p.204-217.
12. **Dwivedi S.K.** and Dwivedi R.D. (2007) Biopesticides: Role in management of phytopathogenic microbes. In: *Biodiversity and Environmental Biotechnology* (ISBN: 81-7233-467-2) (eds- P. Dwivedi, S.K. Dwivedi and M.C. Kalita).Scientific Publishers, Jodhpur (pp.355-369).
13. Shukla A., **Dwivedi S.K.**, and Agrahari D. K. (2008). Role of microbes in Bioremediation Technology. *Bioremediation of Pollutants* (eds. R.C. Dubey and D.K. Maheshwari) I.K.International Publisher, New Delhi (ISBN: 978-93-81141-05-2). p 97-111.
14. Bajpai Rajesh, Upreti, D.K, Nayaka S and **Dwivedi S. K.** (2008). Lichen biodeterioration studies in India: an overview. *Bioremediation of Pollutants* (eds. R.C. Dubey and D.K. Maheshwari) I.K.International Publisher, New Delhi (ISBN: 978-93-81141-05-2). p 63-73.
15. **Dwivedi S.K.**, Shukla A.(2009) Antagonistic behavior of VAM against soil-borne fungi. In: *Advances in Microbiology* (ed) P.C.Trivedi-p.79-91; Pointer Publishers, Jaipur.pp246. (ISBN: 978-81-7132-615-0)
16. **Dwivedi S.K.** and Sangeeta (2012). Fungal Diversity in Leguminous crop field soil. In: *Modern Trends in microbial Biodiversity in natural Ecosystem*. (eds. Asha Sinha, B.K.

- Sharma and Mnisha Srivastava). Biotech Publishers, New Delhi p 117-133. (ISBN: 978-81-7622-259-4)
17. **Dwivedi S.K.** and Dwivedi Neetu (2012). Environmental factors and their Impact on fungal diversity in some crop field soil. In: *Modern Trends in microbial Biodiversity in natural Ecosystem*. (eds. Asha Sinha, B.K. Sharma and Manisha Srivastava). Biotech Publishers, New Delhi p 145-172. (ISBN 978-81-7622-259-4).
 18. **Dwivedi S. K.** and Sangeeta (2014). Role of antagonistic microbes in management of phytopathogenic fungi of some important crops. In *Microbial Diversity and Biotechnology in food Security*. eds. R.N. Kharwar et al. (**Springer**) (P. 273-292) (ISBN: 978-81-322-1800-5)
 19. **Dwivedi S.K.** and Ram Gopal (2014). Sustainable agriculture and plant growth promoting Rhizobacteria. In *Microbial Diversity and Biotechnology in food Security*. eds. R.N. Kharwar et al. (with Ram Gopal)- (**Springer**) (P. 327-341) (ISBN: 978-81-322-1800-5)
 20. **Dwivedi S. K.,** Sangeeta and Ram Gopal (2014). Biofertilizers in sustainable Development of agricultural crops. - In: *Organic Farming and Management of Biotic Stresses* (eds. S.K.Biswas & Samir Pal. Biotech Books, New Delhi. p.160-169. (ISBN: 978-81-7622-306-5)
 21. **Dwivedi S. K.** and Ram Gopal (2014). Role of plant growth promoting Rhizobacteria in crop improvement. In: *Biofertilizers for Sustainable Agriculture* (ed. Sampat Nehra) Aavishkar Publishers, Distributers, Jaipur. p.1-41 (ISBN: 978-81-7910-452-1).
 22. **Dwivedi S. K.** and Dwivedi Neetu (2014). Pathogenic fusaria of some crop field soil and their management In: *Plant Disease Management and Microbes* (ed. Sampat Nehra) Aavishaar Publishers, Distributers, Jaipur p. 56-81. (ISBN: 978-817910-456-9) p. 56-81.
 23. **Dwivedi S.K.** and Sangeeta (2014). Antagonestic microfungi in management of phytopathogens In: *Plant Disease Management and Microbes* (ed. Sampat Nehra) Aavishkar Publishers, Distributers, Jaipur p. 1-43. (ISBN: 978-81-7910-456-9) p. 1.42.
 24. **Dwivedi S.K.** and Sangeeta (2014). Impact of Chemicals in Soil Environment. In: *Biofertilizers for ustainable Agriculture* (ed. Sampat Nehra) Aavishkar Publishers, Distributers, Jaipur. p.190-208 (ISBN: 978-81-7910-452-1)
 25. **Dwivedi S.K.,** Sangeeta and Chandra Shipra (2014). Mycoremediation with reference to Heavy Metals. In: *Applied Microbiology* (ed. Sampat Nehra) Pointer Publishers, Jaipur. p. 101-117. (ISBN: 978-81-7132-767-6).
 26. **Dwivedi S.K.,** Sangeeta and Ram Gopal (2014). Plant Diversity with reference to Environmental Factors In: *Biodiversity in India: Assessment, Scope and Conservation* (ed. Sampat Nehra, Raj Kumar Gothwal and Purnendu Ghosh). Lambert Academic Publishing, Germany. p. 105-116. (ISBN: 978-3-659-50550-8).
 27. **Dwivedi S.K.,** Sangeeta and Ram Gopal (2015). Biofuel: as sustainable energy source. (Accepted).
 28. Sangeeta, **Dwivedi S.K.** and Ram Gopal (2016). Microbial Mediated Nutrient Management in Agro-ecosystem. In: *Microbes and Environmental Management* (eds. J.S. Singh and D.P.Singh). Studium press. p. 303-325. (ISBN: 978-93-80012-83-4)
 29. **Dwivedi S.K.** and Namita Gupta (2017). Challenges of Distance Education: An Overview. In: *Distance Education and ICT*, (eds. G. K. Dwivedi and Shruti). Tridev Publications, Kerala, India. p. 1-13. (ISBN: 978-14-43400-98-5)
 30. **Dwivedi S.K.** and Singh Garima (2019). Diversity of micro fungi in cropland ecosystem with reference to crop productivity. *Dynamics of Ecosystem and Climate Change in India* (eds.: Abhishek Awasthi, A.K. Singh and Anshu Sharma). Serials Publications Pvt. Ltd., New Delhi (ISBN: 978-93-86611-47-5)

Chapters in Proceedings of Conferences

1. Jaiswal, H. and **Dwivedi, S.K.** Impact of pesticides on the environment at global level. Proc. National Conference on Rehabilitation Strategies for Degraded Environment (1996) pp. 25-28.

2. Dwivedi, Padmanabh and **Dwivedi, S.K.** Atmospheric Pollution. In: Proc. Nat. Sem. Environ. Water Management (1999), pp. 23-30.
3. Pandey, N.C. and **Dwivedi, S.K.** Studies on microbial population of a pond ecosystem of Lucknow. In: Proc. Nat. Conf. Strat. for Better Environment in 21st Century (1999), pp. 150-153
4. **Dwivedi, S.K.** Studies on sustainability of guava (*Psidium guajava* L.) plant vigour through essential oils of some medicinal plants. In: Proc. Nat. Sem. on Physiol Paradigm for fostering agro- and Biotech and augmenting environmental productivity in Millennium 2000 (ed. R.S. Dwivedi), pp 18-19.
5. Shukla A., **Dwivedi S.K** (2010) Bioprocessing of organic biodegradable wastes: Technology use to mitigate soil-borne fusaria. Proc. National conference on Bioprospecting: Access for sustainable development p. 55-59.
6. **Dwivedi S. K.** (2016). Fungal Diversity in Cropland Ecosystem with reference to ecological factors. National conference on Climate Change: Challenges to Plant Biologist held at Department of Botany, U. P. College (Autonomous) Varanasi- 221 002 (U. P.) on March, 27th, 2016. p. 12 (**Invited Speaker**)

Ph.D. Scholars who have worked/ working under my Supervision

S.No.	Name	Year of Award/ Registration	Research Topic
1	Dr. R. D. Dwivedi	2008	Soil microfungi of a grassland ecosystem with emphasis on Soil Fungistasis and litter Decomposition.
2	Dr. Shashikant	2008	<i>In vitro</i> and <i>in vivo</i> study of the host responses induced by ethambutol resistant <i>Mycobacterium tuberculosis</i> .
3	Dr. Rajesh Bajpai	2009	Studies on Lichens of some monuments of Madhya Pradesh with reference to Biodeterioration and biomonitoring.
4	Dr. D.K Agrahari	2011	Factors affecting the dynamics of fungal population in a cropland ecosystem.
5	Dr. Ankita Shukla	2011	Soil-borne fusaria of some leguminous crop field and their management.
6	Dr. Neetu Dwivedi	2014	Studies on fungal diversity in Guava field soil with reference to pathogenesis and its management
7	Dr. Ram Gopal	2015	Studies on PGPR with reference to nutrient acquisition, antifungal activity and plant growth promotion in soybean crop.
8	Dr. Enespa	2015	Studies on integrated management of soil Fusaria causing diseases on vegetable crops.
9	Dr. Sangeeta	2015	Antagonistic potentiality of some phialide bearing microfungi as biopesticides against some soil-borne fusaria.
10	Dr. Jyoti Srivastava	2017	Studies on the Integrated Management of Chickpea wilt caused by <i>Fusarium oxysporum</i> f. sp. <i>ciceri</i> .

11	Dr. Namita Gupta	2018	Studies on Lichen Diversity in relation with Air Pollution Monitoring around some selected Thermal Power Plants of Uttar Pradesh, India
12	Mr. Ganesh Prasad	2015	Studies on management of <i>Sclerotium rolfsii</i> Sacc. Affecting <i>Zea mays</i> L. crop
13	Mr. Radheshyam Sharma	2016	Effect of agro-waste carrier based inoculum on sustainability of selected leguminous crops compared to conventional agriculture method
14	Ms. Priyanka	2017	Studies on development of fungal consortium for the remediation of heavy metals from industrial waste water
15	Mr. Vinay Kumar	2017	Remediation of Cr (VI) and Ni (II) by metal tolerant fungi isolated from electroplating effluent
16	Mrs. Garima Singh	2017	Studies on production of secondary metabolite and their role in azo dye decolonization by some selected fungal isolates
17	Mr. Ajay Raj Tripathi	2017	Management of <i>Macrophomina phaseolina</i> causing charcoal rot disease in soybean crops
18	Mr. Ashwani Kumar Chaudhary	2017	Green synthesis of nanoparticles from fungi: its application in plant pathogen management
19	Mr. Suresh Kumar	2017	Assessment of aeromycoflora associated with particulate matters in ambient air of urban and rural areas of Lucknow, Uttar Pradesh, India

M.Sc. Dissertation work supervised

S. No.	Year	Name of student	Topic of Research Work
1.	1999	Mr.Himanshu Chaturvedi	Studies on soil micro-flora and seed germination as influenced by tannery effluents
2.	1999	Mr.Akhilesh Chandra Maurya	Microbial population of decomposing litter of grassland ecosystem
3.	1999	Mr. Vinay Sahu	Effect of fly ash on the population dynamics of soil microorganisms and on standing crop
4.	1999	Mr.N.C.Pande	Studies on microbial population of a pond ecosystem
5.	2000	Mr. Bhupesh Gupta	Air mycoflora of Lucknow city at some polluted sites
6.	2000	Mr. Shuaib Ahmad	Studies on soil microflora of University Campus
7.	2000	Mr. Ramesh Singh	Microbial population of decomposing letter of <i>Eicchhornia crassipes</i>
8.	2000	Mr. Neeraj Rawat	Studies on mycoflora of oil polluted soil
9.	2001	Mr.Dheerendra Kumar	Acid Rain: An Overview

10.	2001	Mr. R.D. Dwivedi	Population dynamics of microfungi of a cropland ecosystem
11.	2001	Mr. Amarendra Bahadur Srivastava	Potential use of VAM as biocontrol agent and biofertilizer for <i>Geranium</i> plant
12.	2002	Mr. Rajesh Bajpai	Pollution monitoring with the help of Lichen transplant technique in some residential sites of Lucknow
13.	2002	Km. Hemlata Bharati	Molecular assessment of genetic diversity between hybrid and species of <i>Papaver</i> genus through PCR technology
14.	2002	Mr. S. K. Kaushal	Influence of some microbes on the growth and oil yield of <i>Geranium</i> plant grown with different organic amendments
15.	2002	Mr. Jai P. Yadav	Effect of extract of some medicinal plants against a soil microbe - <i>Aspergillus niger</i>
16.	2002	Km. Anamika Srivastava	Toxicity of some homeo drugs against <i>Aspergillus flavus</i>
17.	2003	Km. Savita Singh	Screening and identification of aquatic plants suitable for phytoremediation of toxic metals
18.	2003	Mr. A. K. Rai	Toxicity of some natural pesticides against some soil microfungi
19.	2003	Km. Pratibha Solanki	Studies on soil fungal communities of two crop fields of economic importance
20.	2003	Km. Namrata Tripathi	Assessment of xenoestrogenic potential of endosulfan in immature female mice.
21.	2004	Mr. Shashikant	Isolation and genotyping of <i>Helicobacter pylori</i> from dental plaque: an extra-gastric reservoir
22.	2004	Mr. Abhinav Pandey	Assessment of bioremediation potential of chromate resistant bacteria isolated from tannery sludge.
23.	2004	Mr. D.D. Pandey	Validation of Comet assay in human lymphocytes using N-ethyl-N-Nitrosourea (ENU).
24.	2004	Mr. Sanjeev Kumar	Role of Mycorrhizae in nutrient transport, plant health and soil organic amendments
25.	2004	Km. Anupa Ulhayan	Potentiality of antagonistic microbes against <i>Sclerotium rolfsii</i> sacc.
26.	2005	Km. Sumita Mishra	Toxicity studies on extracts of some medicinal plants against pathogenic microbes at different concentration in <i>in vitro</i> condition.
27.	2005	Mr. Rajeev K Mishra	Studies on rhizospheric fungi of Arhar crop and toxicity of essential oil of some medicinal plants against <i>Fusarium udum</i> .
28.	2005	Mr. Satish K Rawat	Culture filtrate toxicity of some fungal antagonists against <i>Fusarium solani</i> causing Damping-off in Egg plant.
29.	2006	Km. Nadia Khan	Toxicological studies on extract of some medicinal plants against <i>Fusarium solani</i> causing Damping-off in egg plant.
30.	2006	Km. Talvinder Kaur	Evaluation of toxicity of some medicinal plants against <i>Fusarium solani</i>

31.	2006	Mr.Abhishek Singh	Integrated management of <i>Fusarium solani</i> isolated from the rhizosphere of brinjal plant
32.	2007	Km. Anju Biruly	Studies on soil fungal communities of a fruit crop field.
33.	2007	Mr. Sameer Chandra	Evaluation of toxicity of some Medicinal plants against <i>Fusarium coeruleum</i>
34.	2008	Mr. Anand Gupta	Management of fresh water crowned river turtle <i>Hardella bthurjii</i> in national Chambal Sanctuary(Chambal river)
35.	2009	Mr. Vinod Kumar	Studies on toxicity of <i>Blatta orientalis</i> and <i>Thuja</i> against <i>Fusarium solani</i>
36.	2009	Km. Farah	Application of microbes in bioremediation technology
37.	2009	Km. Rachna Singh	Toxicity of extracts of two medicinal plants against fruit deteriorating fungi
38.	2009	Mr. Manoj Kumar	Studies on interaction between <i>Pseudomonas</i> and some soil-borne pathogenic fungi
39.	2009	Km. Uma Singh	Mycorrhizae in soil environment and their role in crop production and management of pathogenic fungi
40.	2010	Mr. Shaqib Rashid Fareedi	Effect of PSM on rhizospheric soil of chickpea.
41.	2010	Km. Saumya Singh	Effect of PGPR on nitrogen fixation biocontrol and crop yield with reference to soybean.
42.	2010	Mr. Rakesh Kumar Gupta	Liquid biofertilizer
43.	2010	Km. Deepika Kumari	Effect of PSM and siderophore production with reference to PGPR in garden pea.
44.	2010	Mr. Atteq Ahmad	Studies on effect on some heavy metal and pesticides on microbial growth.
45.	2010	Mr. Desh Ratna Dwivedi	Role of microbes in soil fertility.
46.	2010	Km. Smita Khattri	Effect of PSM on plant growth of soybean with reference to PGPR.
47.	2011	Km. Shobha Singh	Alcoholic beverage Production by anaerobic fermentation of different types of fruit juices using <i>Saccharomyces</i> sp.
48.	2011	Mr. Mahesh Kumar	Effectiveness of some microfungi against <i>Fusarium rhizospheric f.sp. lycopersici</i>
49.	2011	Km. Usha K.Verma	Effect of some heavy metals on seed germination of urd & soybean crops
50.	2012	Km. Reeta Verma	Study of aero microfungi of roadside trees of polluted and non-polluted areas.
51.	2012	Mr. Amar Nath	Studies on Control of Some Phyllospheric mycoflora from polluted sites in Lucknow city.
52.	2012	Km. Ankita Tiwari	Effectiveness of essential oil of some medicinal plants against <i>Escherichia coli</i> and <i>Fusarium solani</i>
53.	2013	Km. Shipra Chandra	Soil-Borne Microfungi: Tool as Mycoremediation of heavy metals
54.	2013	Mr. Ambuj Mishra	Analysis of Cu, Cd and Fe Accumulation strength of <i>Pongamia pinnata</i> , A commercial

			plant on contaminated soil
55.	2013	Km. Rashmi Raghav	Biological control of <i>Fusarium udum</i> causing disease on <i>Cajanus cajan</i>
56.	2013	Km. Upma Yadav	Bioefficacy of essential oil and plant extracts of some medical plants against <i>Fusarium</i> spp.
57.	2014	Km. Deeksha Trivedi	Rhizospheric studies on <i>Linum usitatissimum</i> L. (linseed) crop field with reference to antibiosis
58.	2014	Km. Shashi	Analysis of heavy metals from tannery effluent, Unnao
59.	2014	Km. Jahnavi Trivedi	Efficacy of Homeopathic drugs (mother tincture) against <i>Aspergillus</i> spp.
60.	2014	Km. Bhavana Singh	Antifungal potential of <i>Trachyspermum ammi</i> essential oil against some soil-borne fungi
61.	2014	Km. Asha Rawat	Antifungal activity of <i>Trigonella foenum – graecum</i> essential oil and ethanolic extract against some soil-borne fungi
62.	2015	Km. Nivedita Gautam	Assessment of Biosorption of heavy metals- Copper, Cadmium and Mercury in the aquatic plants- <i>Trapa natans</i> and <i>Pistia stratiotes</i>
63.	2015	Mr. Raj Kumar Gautam	Efficacy of some selected homeo drugs (<i>Blatta orientalis</i> , <i>Thuja occidentalis</i> and <i>Dulcamara</i>) against <i>Aspergillus niger</i>
64.	2016	Ms. Archana Dwivedi	Comparative studies on some Plant extract, Fungal antagonist and chemical against <i>Fusarium solani</i> inciting damping- off in egg Plant
65.	2016	Ms. Anjali Verma	Study on soil fusaria of Cropland ecosystem
66.	2016	Mr. Ravi Shankar	Study on soil fungal communities of a forest ecosystem withy reference to antibiosis
67.	2017	Mr. Vinay Kumar	<i>In vitro</i> evaluation of some chemicals and bioagents against <i>Fusarium solani</i> isolated from 15rhizospheric soil of Bajra crop
68.	2017	Ms. Sonam Oraon	<i>In vitro</i> efficacy of selected chemical, homeo drug and bioagent against <i>Fusarium solani</i> causing damping-off in Egg plant
69.	2018	Ms. Saumya Singh	Removal of Cadmium from wasterwater by using a filamentous fungus (<i>Fusarium solani</i>)
70.	2019	Ms. Deepa Kannojia	Biosynthesis of silver nanoparticles and its application in management of <i>Sclerotial</i> froming fungus causing root rot in Maize crop
71.	2019	Ms. Vandana Shukla	Removal of Alizarinered and methylene blue dyes using filamentous fungus <i>Trichoderma lixii</i> isolate CR 700

