

Name: Dr. Ashwani Kumar

Designation: Associate Professor

Specialization: Mycology and Plant Pathology

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Education

M.Sc. Botany (1985, Punjabi University, Patiala),

National Eligibility Test (UGC/NET) Life Sciences-1993

Ph.D. (25th February 1991, Punjabi University, Patiala)

Title of Ph. D Thesis: Taxonomic Studies on Pyrenomycetous Fungi of Eastern Himalayas.

Professional Experience:

Department of Botany, M.M. Modi College, Patiala, India (16 Sep 1996 to till date)

Teaching Interests:

- Mycology
- Taxonomy
- Plant Physiology

Research Interest:

Taxonomic Studies of Fungi

Publications

1. Dargan Joginder Singh and Sharma Ashwani Kumar. "Three unrecorded species of *Nectria* from Eastern Himalayas". *Journal of Indian Botanical Society* (1991)70: 421-422.
<https://drive.google.com/file/d/12mqy5EHoHfVloBHp4R9pFLy5yUvkeR0v/view>
2. Ashwani Kumar and Dargan Joginder Singh. "Taxonomic notes on two species of *Kretzchmaria* from Eastern Himalayas" *KAVAKA* (2015) 44: 66-68.
<https://drive.google.com/file/d/12obj0jGqcqVk309JYSvBP-zKrHZ1doP5/view>
3. Leena Chhabra, Shubham Bansal, Ashwani Sharma and Rajeev Sharma. Electronic waste and its effect on Environment. *Research Icon* (2016) 3:136-138.
<https://drive.google.com/file/d/12y0OcfwClva1zIPpkJESmR50kUUULwmJ/view>

Conference / Seminars

A) Resource Person / Invited Lectures:

- Chaired Technical Session in 14th Annual Conference of ABT at PG Govt. College for Girls, Sec-42, Chandigarh. March 27, 2011.
- Coordinator in National Symposium on Emerging Trends in Biotechnology at M.M. Modi College, Patiala. February 24, 2012.
- Coordinator in RACES 2013 at M.M. Modi College, Patiala. January 31, 2013.
- Deliver an invited lecture on “Respiration-An essence of life” in Department of Botany, Govt. Mohindra College, Patiala on (Nov 27,2015).
- Deliver an invited lecture on “Plant nutrients” at Public College, Samana on (Nov 28, 2015).

B) Paper presented:

1. Dargan Joginder Singh, Bhatia Madhu and Sharma Ashwani Kumar. 1989. “Three unrecorded species of *Diatrype* from Eastern Himalayas.” Proc 76th Indian National Science Congress Madurai P.41.
2. Dargan Joginder Singh and Sharma Ashwani Kumar.1989. Some interesting *Nectria* species new to Eastern Himalayas.Proc. National symposium on plant systematics: Advances and Trends.Punjab University Chandigarh P-9.
3. Sharma Ashwani Kumar and Dargan Joginder Singh. 1989. “Genus *Kretschmaria* in India”. National symposium on Plant Science Research in India. Present status and future challenges. Punjabi University Patiala P-14.
4. Dargan Joginder Singh and Sharma Ashwani Kumar. 1990. Genus *Valsa* in Eastern Himalayas. Journal of Indian Botanical Society. P-69
5. Dargan Joginder Singh and Sharma Ashwani Kumar. 1992.” Genus *Rosellina* in Eastern Himalayas”.Proc.Natl. Symposium Botanical Research, Trends and Achievements. Punjab University Chandigarh P-37.
6. Sharma Ashwani Kumar and Dargan Joginder Singh. 1992.” Genus *Hypoxyton* in Eastern Himalayas”Proc. Natl. Sym. Biosystematics in Retrospect and Prospect. Punjabi University,Patiala.
7. Sharma Ashwani Kumar and Dargan J.S. 2002. *Calonectria aurigera*(Berk)Sacc. –A new fungus diversity. National Symposium Present status and future challenges. Punjabi University Patiala P-31.
8. Sharma Ashwani Kumar 2012. Fungal diversity and its assessment in Eastern Himalayas National Symposium on Emerging trends in Biotechnology-2012 held at M.M. Modi College, Patiala on Feb,24,2012.
9. Sharma Ashwani Kumar 2012. Plant indicators. National Conference on Recent Advances in Chemical and Environmental Sciences held at M. M. Modi College, Patiala on March 3, 2012.

10. Sharma Ashwani Kumar 2013. Petroleum Plants- A future Prospect at National Conference on Recent Advances in Chemical and Environmental Sciences held at M.M.Modi College, Patiala on Jan 31,2013.
11. Sharma Ashwani Kumar 2013. Effect of calcium nutrition on yield and quality of potato tuber at 6th National Conference on Recent Advances in Chemical and Environmental Sciences held at M.M.Modi College, Patiala on Nov 13-14,2013.
12. Sharma Ashwani Kumar 2014. Standardization of in vitro propagation protocol for *Stevia rebandiana* at National Symposium on Emerging trends in Botanical Sciences held at Department of Botany, Punjabi University Patiala on Feb 17-18, 2014.
13. Sharma Ashwani Kumar 2014. Genus *Diatrype* in Eastern Himalayas at International Conference on Crop Productivity and Sustainability- shaping the future held at Department of Agriculture, Baba Farid College, Bhatinda from March 20-21, 2014.
14. Sharma Ashwani Kumar 2015. Three new species of *Daldinia* ces and denot. from Eastern Himalayas at 7th National Conference on Recent Advances in Chemical, Biological and Environmental Sciences held at M.M.Modi College, Patiala from Jan 30-31,2015.
15. Sharma Ashwani Kumar 2015. *Calonectria aurigera* – A new species from India at National Symposium on Mycological Research- Emerging trends,Applications and Prospects. 41st Annual Meeting of Mycological Society of India sponsored by (UGC,DST,DBT,NABARD,MSI) held at Department of Botany, Punjabi University, Patiala on Feb 23-24,2015.
16. Sharma Ashwani Kumar 2015. Biodegradation of Azo dyes. National Seminar on New Vistas in Chemical Sciences held at D.A.V. College Hoshiarpur on Nov 15, 2015.
17. Sharma Ashwani Kumar 2015. Some interesting species of *Xylaria* in Eastern Himalaya at Department of Botany; Goa University at Annual meeting of Mycological Society of India and Asian Mycological Association from Oct 7-10, 2015.
18. Sharma Ashwani Kumar 2016. Global warming and climate change at 1st International Conference on emerging trends in commerce, management and environment at Govt. Mohindra College, Patiala from Jan 15-16, 2016.
19. Sharma Ashwani Kumar 2016. Some canker causing diseases on timber plants at 8th National Conference in Recent advances in Chemical, Biological and Environmental Sciences at M. M. Modi College rom Feb19-20, 2016.
20. Sharma Ashwani Kumar 2016. Sex and Gender at National Seminar on “Beti Bachao-Beti Padao” at S.A. Jain (PG) College, Ambala City on March 12, 2016.

21. Sharma Ashwani Kumar 2016. Role of *Hypoxylon* in wood degradation of economic important trees at 2nd National Symposium on Emerging trends in Biological Sciences held at M.M.Modi College, Patiala on Nov.12, 2016.
22. Sharma Ashwani Kumar 2016. Electronic waste and its effect on environment at National Seminar on” Global environmental changes, Health and Society” at Dayanand College, Ajmer (Rajasthan)on Dec10,2016.
23. Sharma Ashwani Kumar 2018. Tissue types and its role in taxonomy of Pyrenomycetes at 9th National Conference on Recent advances in Chemical, Biological and Environmental science at M. M. Modi College, Patiala from Feb 9-10, 2018.
24. Sharma Ashwani Kumar 2018. Bio-remediation for pesticide residue removal at National Seminar on Emerging trends in scientific techniques held at DAV College, Hoshiarpur on Feb15, 2018.
25. Sharma Ashwani Kumar 2019. Studies on false truffles and its management at UGC sponsored 10th National Conference on Recent Advances in Chemical and Environmental science held at M. M. Modi College, Patiala from April 11-12, 2019.

C) Attended

1. 2nd teachers reorientation in Biological Sciences held at Guru Nanak Khalsa College Yamuna Nagar (Haryana) from Feb 21-22, 2014.
2. 9th Annual conference of IABT held at M.L.N. College Yamuna Nagar (Haryana) on Feb, 2005.
3. National Symposium on “Germplasm evaluation: Present trends “NSGE 06 organized by Department of Botany. Punjabi University, Patiala. Jan 23-25, 2006.
4. 12th Annual conference of IABT held on April 13, 2008 at P.G. Govt. College for girls. Sec-42, Chandigarh.
5. 1st Annual conference on Recent Advances in chemical and Environmental Sciences -2009 organized by M. M. Modi college Patiala from Jan 16-17, 2009.
6. 2nd Annual National Conference on Recent Advances in Chemical and Environmental Sciences held at M. M. Modi College, Patiala from Jan 22-23, 2010.
7. 3rd Annual Conference on Recent Advances in Chemical and Environmental Sciences held at M.M. Modi College, Patiala from Feb 28-March1, 2011.
8. 14th Annual Conference of Association of Biology teachers (Colleges) Regd. Held on March 27, 2011 at P.G. Govt. College for girls, Sector-42, Chandigarh.

9. UGC sponsored National seminar on Biotechnology revolution- Its socio-economic impact, held at Govt. P.G. College for girls Sec-42, Chandigarh on Feb 22, 2012.
10. 15th Annual Conference of Association of Biology Teachers (Colleges) Regd. Held on April 22, 2012 at P.G. Govt. College for girls, Sec-42 Chandigarh.

M. Phil. Students Guided:

6 (Completed, 2006-2008)

Workshops and training courses

1. Attended Orientation Course at Academic Staff College, Punjab University, Chandigarh (3- 30 March, 2000).
2. Attended Refresher Course at Academic Staff College, Punjabi University, Patiala (August17- 06 September, 2000).
3. Attended Short term course on Plant tissue culture in Biotechnology and its application organized by TIFAC –CORE. Thapar University Patiala on Oct 24 – 29, 2005.
4. 3rd National workshop on Reorientation in life sciences held at Dolphin P.G. college of life sciences Chunnikalan held on Jan 20-21, 2007.
5. Attended Refresher Course at Academic Staff College, J.N.U. New Delhi, Patiala (5- 30 April, 2010).
6. Attended training camp regarding first aid/Drug addiction/Health/Traffic safety sponsored by Indian Red Cross Society held at Govt. College for girls Patiala from Sep 9- 14, 2010.
7. Attended Refresher Course at Academic Staff College, Punjabi University, Patiala (8- 28 October, 2010).
8. Attended UGC sponsored practical workshop for Botany teachers at Academic Staff College, Punjabi University, Patiala from March 8-14, 2014.
9. Attended UGC sponsored Faculty Development Programme organized by M. M. Modi College, Patiala from July1- July 15, 2014.
10. Attended Workshop on Leadership and Advocacy organized by Rajiv Gandhi National Institute of Youth Development; Regional Centre at M. M. Modi College, Patiala from May 25-31, 2015.
11. UGC sponsored 7 day FDP at M.M. Modi College from July 9-15, 2015.
12. Attended Workshop on “ Systematics of Plants and microbes held at Department of Botany, Punjabi University, Patiala from Dec20-26,2015
13. Attended workshop on” Modern Techniques in Science” held at M. M. Modi College, Patiala from July11-20, 2016.
14. Attended workshop on “Research as Pedology a science teacher education programme” a step for teacher of U.G. courses at Punjabi University, Patiala from Sep29- Oct 1, 2016.

15. UGC sponsored 7 day FDP on Academic writing from Critical Appreciation to Publication organized by IQAC at M. M. Modi College, Patiala from Jan 9-16, 2017.
16. Attended FDP on “Contemporary Issues in Higher Education” held at M. M. Modi College, Patiala from July 20-26, 2018.
17. Attended FDP on “Emerging issues and challenges in Higher Education” held at M. M. Modi College, Patiala from July 17-22, 2019.

Achievements, Awards and Recognitions

- Successfully organized **Nine national level conferences, Four Workshop and Five Cafeteria including Diet Clinic.**

Membership

1. Member senate, Punjabi University, Patiala during year 2003.
2. Member board of studies in Faculty of life Sciences and Botany, Punjabi university Patiala.1998-2000, 2011 to till date.
3. Life member; Mycological Society of India.
4. Member board of studies for Post Graduate in Botany, Punjabi University, Patiala during Session 2019.