



Biodata

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EDUCATIONAL QUALIFICATION: Ph. D.
Area of specialization : Plant Pathology, Mycology, Plant Nematology
Area of specialization in Research: i. Biological control of nematodes and Fungi
ii. Integrated pest management,
iii Study of fungal and nematode diseases and their interaction
iv. Study of micro and macro fungal diversity
v. Mushroom diversity and Cultivation technology
TITLE OF THESIS/DISSERTATION
Ph.D. : Integrated Control of Plant-Parasitic Nematodes
M.Phil : Integrated Control of Plant-Parasitic Nematodes
M.Sc. : Studies on the Control of root-knot Nematode on Okra with seed soaking\

TEACHING EXPERIENCE: More than 19 years at Post graduate level

RESEARCH EXPERIENCE: More than 20 years, published several papers in national and International journals, attended several conferences & symposia.

PUBLICATIONS

	Published	In Press	Communicated
i) Research Papers	110	05	08
ii) Symposium Papers/Proceedings	12		
iii) Conferences/Workshops attended	29		

Prof. (Dr.) A. H. Wani

LIST OF PUBLICATIONS

1. Wani, Abdul Hamid (1992). Control of root-knot nematode on okra with seed soaking in neem leaf extract. *Current Nematol.* 3 (1) : 39-40. ISSN No. 0971-0116. (India)
2. Wani, A. H. and Alam, M.M. (1992). Reactions of cultivars and accessions of chickpea against the root-knot nematode (*Meloidogyne incognita*). *Tests of Agrochemicals and Cultivars 14 Ann. Appl. Boil. 122 (Supplement):*132-133. ISSN-0951-4309 (U.K.)
3. Wani, A.H. , Alam, M.M and Ansari, A.P. (1993). Evaluation of cultivars and accessions of mungbean against *Meloidogyne incognita*. *Tests of Agrochemicals and Cultivars 14 Ann. App. Biol. 122 : (supplement) :* 120-121. ISSN-0951-4309 (U.K.)
4. Wani, A.H., Alam, M.M. and Tiyagi, S.A. (1993). Susceptibility of some cultivars/ accessions of urdbean to *Meloidogync incognita*. *Tests of Agrochemicals and cultivars 14 Ann. Appl. Biol. 122 (Supplement) :* 122-123. ISSN-0951-4309. (U.K.)
5. Akhtar, M., Wani, A.H. and Alam, M.M. (1992). Control of root-knot nematode with bare-root dip in leaf extracts of Persian lilac and *Calotropis*. *Current Nematol.* 3(1): 41-44. ISSN. No. 0971-0116. (India)
6. Akhtar, M. and Wani, A.H. (1992). Plant-parasitic nematodes associated with sugarcane in U.P., India. *Current Nematol.* 3 (2) : 256. ISSN . 0971-0116. (India)
7. Tiyagi, S.A. and Wani, A.H. (1992). Effect of soil amendments of some members of family Compositae to *Tylenchorhynchus brassicae* on cauliflower and cabbage. *Current Nematol.* 3 (2): 119-122. ISSN. 0971-0116. (India)
8. Wani, A.H. and Parwez, A.P. (1993). Effect of root-exudates of some plants belonging to family Compositae on mortality of some nematodes. *Current Nematology.* 4(1) : 81-84. ISSN. No. 0971-0116. (India)
9. Wani, A.H. and Parwez, A.P. and Alam, M. M. (1993). Nematicidal potential of latex extracts of *Calotropis* and *Euphorbia* on root-knot nematode infecting okra. *Annals of Plant Protection Science.* 2 (1) : 72-74. ISSN . 0971-3573. (India)
10. Wani, A.H. and Alam, M.M. (1995). Nematicidal potential of rice polish extract and pyridoxine hydrochloride (Vit. B₆) against *Meloidogyne incognita*. *Current Nematol.*, 6(1): 17-19. ISSN. 0971-0116. (India)
11. Wani, A.H. and Alam, M.M. (1995). Susceptibility of cultivars/accessions of Pigeonpea to Root knot nematode, *Meloidogyne incognita*. *Annals of plant protection sciences* 3 (2) : 182-183. ISSN. 0971-3573. (India)
12. Wani, A.H. and Alam, M.M. (1996). Effect of seed treatment with pyridoxine hydrochloride (Vitamin B₆) and soil treatment with organic amendment on the root knot development caused by *Moloidogyne Incognita* and plant growth of Okra. *Journal of Environmental & Chemical research:*21-27. (India)
13. Bhat M. Yaqoob, Wani. A. H. And Dar Riaz. A. (1996). Susceptibility of cultivars/accessions of chickpea to root-knot nematode, *Meloidogyne incognita*, *Current Nematol.* 7 (2) : 141-144. ISSN. No. 0971-0116. (India).
14. Prakash, A., Wani, A.H. and Alam, M.M. (1998). Effect of soil amendment with urea coated with "Nimin" and natural oils on the root-knot nematode *Meloidogyne*

- incognita* and plant growth of Okra. *Tests of Agro-Chemicals and Cultivars 23, Ann. Appl. Biol.* : 34-35. ISSN-0951-4309 (U.K.) ,
15. Wani, A.H. and Alam, M.M (1989). Strategies for the control of plant-parasitic nematodes with special reference to IPM. p216-225 (Editor P.C. Trivedi). CBS Publishers & Distributors, II-Daryagan, New Delhi. (India). ISBN 81-239-0588-2
 16. Wani, A.H. and Alam, M.M. (2001). Effect of seed treatment with pyridoxine hydrochloride (Vitamin B₆) on the root knot nematode *Meloidogyne incognita* and plant growth of Frenchbean (Rajmah). *Tests of Agro-chemicals and cultivators 22, Ann. Appl. Biol.* : 28-29. ISSN-0951-4309. (U.K.).
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 18. Wani, A.H. and Alam, M.M. (2003). Evaluation of pigeonpea genotypes to root knot nematode *Meloidogyne incognita*. *International Chickpea and Pigeonpea Newsletter*, 10:45-46. ISSN 1023-4861.(India)
 19. Wani, A.H. (2004). Integrated control of plant parasitic nematodes with organic amendments/nematicide, ploughing and intercropping of barley with mustard. In "Bio Resources concerns and conservation"(eds. A.R.Yousf and Azra N. Kamli. CORD, The University of Kashmir, Srinagar. Pp. 251-257. ISBN 81-902346-09 (India)
 20. Wani, A.H. and Ashraf, M. (2003). Incidence and severity of powdery mildews of some plants of Astereceae in some famous gardens of Kashmir valley. *Boived*, 13 :15-19. ISSN 0971-0108. (India).
 21. Wani, A.H. (2004). Biological Control wilt of brinjal caused by *Fusarium oxysporum* through fungal antagonists. *Indian Phytopathology*, 58(2): 228-231. ISSN 0367 973X (India).
 22. Wani, A.H (2004). Prophylactic control of nematodes with plant-products. *Current Nematology*, 15 (1,2): 19-26 . ISSN. No. 0971-0116. (India).
 23. Wani, A.H. (2005). Biological Control wilt of brinjal caused by *Fusarium oxysporum* through fungal antagonists. *Indian Phytopathology*, 58(2): 228-231. ISSN 0367 973X (India).
 24. Wani, A.H. and Tiyagi, S. A. (2005). Integrated control of plant parasitic nematodes with organic amendment intercropping and ploughing on lentil, *Lens culinaris* and Mustard. *Oriental Science*, 10: 9-15. India. ISSN 0971-703X
 25. Wani, A.H (2005). Integrated control of plant-parasitic nematodes and fungi with Intercropping, Organic ammendments and ploughing on wheat and okra. *Pakistan J. Nematology* , 23 : (1) : 149-162 ISSN 0255-7576 (Pakistan). .
 26. Wani, A. H. (2005). Effect of of Cropping sequences and Ploughing on plant-parasitic nematodes and plant growth in field. *Indian Journal of Nematology*, 35(1) : 63-67. ISSN 0303-6960 (India).
 27. Wani, A.H. (2005). Response of cultivars/accessions of lentil to root-knot nematode, *Meloidogyne incognita*. *Annals of Plant Protection Sciences*, 13(2) : 465-529. ISSN No. 0971-3573 (India).
 28. Wani, A.H. (2006). Management of Root-knot nematode, *Meloidogyne incognita* by soil amendment with oil cakes and leaves of different plants on okra and lentil. *Nematol. Medit.* 34:83-87.ISSN 0391-9249 (Italy).
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34. Wani, A. H. and Ashraf, M. and Taskeen-un-Nisa (2010). Incidence and Identity of Powdery mildew Fungi on *Populus alba* in Kashmir. *Proceedings of 4th J &K Science Congress-2010*. In “ *Science Technologu and Society*”. (eds: Chesti, M. Z. and Ahmad, F.), 155-158 (India).
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39. Wani, Bilal Ahmad , Bodha, R. H. and Wani, A. H. (2010). Nutritional and medicinal importance of mushrooms. *Journal of Medicinal Plants Research* Vol. 4(24), pp. 2598-2604, ISSN 1996-0875. (Nigeria)
40. Wani, A. H., Pala S,A, Boda, R.H. and Mir R. A. (2010). Morels in Southern Kashmir Himalya. *J. Mycol Pl. Pathol*. 40(4): 540-546. ISSN 1023-4861. (India).
41. Wani, A.H., Wani M.A. and Peer L. A. (2010). Effect of plant growth promoting *Bacillus* species on the growth of blue pine seedlings. *J Mycol Pl Pathol.*, 40(4):564-566. ISSN 1023-4861. (India)
42. Taskeen- Un- Nisa, Wani, A. H. and R. A. Mir (2010). Antimycotic activity of plant extracts on the spore germination of some pathogenic fungi. *Mycopath* 8 (2) : 65-69. ISSN 1729-5521. (Pakistan)
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44. Wani, A. H., Wani, T. A. and Taskeen-un-Nisa (2011). Calyx-end rot disease of apple in Kashmir Valley. *Journal of Mycology and Plant Pathology*, 41 (1) : 29-33. ISSN 1023-4861. (India)
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48. Pala S. A. and Wani A. H. (2011). Antioxidant Activity of some Wild Mushrooms of Kashmir Valley . *Bioresource Bulletin* 6 :389-393. ISSN 0974-391X. (India)
49. Pala S. A., Wani A. H., Bodha R. H, Wani B. A., Bhat, M. Y. Mir R. A. and Taskeen-un-Nisa (2011). Two hitherto unreported macro-fungi from Kashmir Himalaya. *Bioresource Bulletin*. 6: 394-398. ISSN 0974-391X. (India)
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54. Wani, A. H. and Taskkeen-Un-Nisaa (2011). Management of black mold rot of onion. *Mycopath*, 9(1): 43-49. ISSN 1729-5521. (Pakistan)
55. Wani A. H. (2012). Occurrence and severity of powdery mildew fungal disease on the plants of Asteraceae and Cucurbitaceae in Kashmir Valley. *Journal of Plant Disease*, 7(2): 95-102. ISSN 0976-2388. (India).
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58. Wani, A. H. (2011). Evaluation of nemato-toxiv potential of some members of family Compositae (Asteraceae) on *Meloidogyne incognita*. *Oriental Science*, (16), Accepted (In Press) ISSN 0971-703X (India).
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61. Bhat, M. Y., Shah, N. H. and Fazal, M. and Wani, A. H. (2011). Responses of French bean (*Phaseolus vulgaris* L. to Disease complexes involving *Meloidogyne*

- incognita* and *Rhizoctonia solani*. *Indian Journal of Nematology*, 41 (2): 156-159. ISSN 0303-6960 (India)
62. Wani A. H. and Bhat M. Y. (2011). Effect of urea coating agent Nimin and other plant oils on the root-knot nematode, *Meloidogyne incognita* and plant growth of lentil. *International Journal of Nematology*, 21 (2):199-203. (UK).
 63. Wani, A. H. and Bhat, M. Y. (2011). Control of root-knot nematode, *Meloidogyne incognita* by urea coated with Nimin or other natural oils on mung, *Vigna radiata* (L.) R. Wilczek. *J. Biopesticides*, 5 (1) : 255-258. ISSN 53-56. 0974-391X. (India)
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80. Pala S. A., **Wani A.H.** and Parveen, . (2013). Some noteworthy hitherto unreported macrofungal species from coniferous forests of Kashmir Himalaya-India. *International Journal of Biodiversity Science, Ecosystem Services and Management* 36:12-16, (TBSM-2013-0017)???????
81. Pala S. A., **Wani A.H.** and Parveen, S. (2013). Some unreported macromycetes from coniferous forests of of Kashmir Himalaya-India. *Australian Journal of Mycology*, **22**: 21-29.
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83. **Parveen, S.** and Wani, A.H. (2014). *In Vitro* efficacy of some fungicides and plant extracts on *Mucor piriformis* Fisher causing Postharvest rot of peach in Kashmir Valley. *Trends in Biosciences*, **8**(3): 620-627.
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86. Pala SA, Wani AH, Boda RH, Wani BA. (2014). Mushroom refinement endeavor auspicate non green revolution in the offing. *Nusantara Bioscience* 6: 173-185. ISSN: 2087-3948EISSN: 2087-3956. Indonesia.
87. Wani, A. H. (2014-2015). Plant Growth Promoting *Rhizobacteria* as biocontrol agents of phytonematodes. In: *Biocontrol Agents of Phytonematodes*, (Eds. Askary Tarique Hassan and Pala Martinelli Paulo Roberto). CABI, UK. Pp.600
88. Koka Jahangir A., **Wani , A. H.**, Agarwal, R. M. Parveen S., and Wani F. A. (2015). Effect of Polyethylene glycol 6000, mannitol, sodium and potassium salts on the growth and biochemical characteristics of oat (*Avena sativa* L.). *European Academic Research* 3 (1) : 303-314. Impact Factor: 3.4546 (UIF), ISSN : 2286-4822.
89. Wani, A.H., Boda R. H. and Pala S. A. (2015). Two new records of mushrooms from Kashmir Valley. *Mycopath* 13(1):21-23. ISSN 1729-5521 (Pakistan).
90. Parveen, S., **Wani, A.H.**, Bhat, M.Y. and Koka, J.A. (2016). Biological control of postharvest fungal rots of rosaceous fruits using microbial antagonists and plant extracts – a review. *Czech mycology*, 68(1): 41-66.
91. Parveen, S., **Wani, A.H.**, Bhat, M.Y., Koka, J.A. and Wani, F.A. (2016). Management of postharvest fungal rot of peach (*Prunus persica* (L.) Batsch) caused by *Rhizopus stolonifer* (Ehrenb.:Fr.) Vuill. in Kashmir Valley, India. *Plant Pathology and Quarantine*, 6(1): 19-29.
92. Nadia A., Bhat M. Y., **Wani A. H.**, Koka J.K. and Parveen S. (2016). Diversity of foliicolous fungi on Peach (*Prunus persica*) from Kashmir valley of India. *Indian Phytopathology* 69 (3) : 294-297
93. Koka J. A. , Wani A. H., Bhat M. Y. and Parveen S.(2017). In vitro efficacy of *Trichoderma* isolates against some fungi causing fungal rot disease of tomato. *Int. Journal of Advanced Research.* 5(3): 2050-2053, ISSN: 2320-5407, DOI: 10.21474/IJAR01/3725 Peer reviewed and indexed, If=6.11
94. Fazili M. A., Ansari M. Y. K., Wani A. H., Bhat M. Y. and, Koka J. A. and , Parveen S. (2017). Effect of different treatments of gamma-irradiated sodium alginate (isa) on growth and biochemical composition of *Mentha arvensis* L. *Indian Journal of Plant Sciences* 2017 Vol.6 (2) :1-10. ISSN: 2319–3824(Online), Indexed and peer reviewed
95. Skinder B. M., I Ganai . B. A., and Wani A. H. (2017). Scientific Study of *Gentiana kurroo* Royle. *Medicines* 4, 74; (ISSN 2305-6320). doi:10.3390/medicines4040074, Indexed in Chemical Abstracts / SciFinder (ACS). Citations are available in PubMed, full-text archived in PubMed Central.
96. Taskeen-un-Nisa, Wani A. H., Shazia P. * and Bhat M. Y. (2017). *Phytophthora* root rot of potato and its management in Kashmir Valley. *Brazilian Journal of Biological Sciences*, 4 (7) : 127-138. ISSN: 2358-2731, <https://dx.doi.org/10.21472/bjbs.040713>
97. Koka, J.A., Wani, A.H., Bhat, M.Y. and Parveen, S. (2017). Antifungal Activity of Ethanolic and Aqueous Leaf Extracts of *Taraxicum officinale* and *Mentha arvensis* on the Growth of Some Selected Fungal Species Under *In vitro* Conditions, *Int. J.*

- Pure App. Biosci.* **5**(5): 1170-1176 (2017). doi: <http://dx.doi.org/10.18782/2320-7051.5319>: ISSN: 2320 – 7051
98. Parveen, S., Wani, A. H. . Bhat, M. Y.. Malik A. R, Koka, J. A. and Ashraf. N. (2017). Antimycotic potential of some phytoextracts on some pathogenic fungi. *Journal of Biopesticides*, **10**(1): 60-65.
99. Koka J. A. , Wani A. H., Bhat, M. Y. and Parveen, S.(2017). Antagonistic activity of *Trichoderma* spp against some fungi causing fungal rot disease of Brinjal. *Trends in Biosciences* **10**(16): 2844-2846; Print : ISSN 0974-8431,
100. Malik, A. R., Wani, A.H., Bhat, M.Y. and Parveen, S. (2017). Ethnomycological knowledge of some wild mushrooms of northern districts of Jammu and Kashmir, India. *Asian J Pharm Clin Research*, **10** (9): 1-7: DOI: <http://dx.doi.org/10.22159/ajpcr>. 2017.v10i9.17641 ISSN: Online - 2455-3891 Print - 0974-2441
101. Fazili M. A., Wani A. H. and Mushtaq W. (July 2017). Role of degraded polysaccharides in ameliorating the overall growth, physiological and essential oil attributes in various species of *Mentha*. A Review. *AGU International Journal of Science and Technology*, **5**: 49-54. e-ISSN: 2455-0493; p-ISSN: 2455-3808, <http://www.aguijst.com>
102. Fazili M. A., Wani A. H. and Bhat M. Y. (Aug, 2017). Effect of Different Doses of Gamma-Irradiated Sodium Alginate and Nitrogen Fertilizer on Growth, Physiological; Biochemical Parameters and Yield Attributes of *Mentha Piperita* L. in Northern Himalayas. *International Journal of Agricultural Science and Research (IJASR)*, **7**(4):165-176. ISSN (P): 2250-0057; ISSN (E): 2321-0087; Paper Id.: IJASRAUG201721
103. Parveen, S. Wani A. H. Shah, M A. Devi, Devi S.,, Bhat M. Y, Wani T. A., and Malik, A. R. (2017). First report of *Penicillium glaucum* Link causing Penicillium rot of pear fruits *Pyrus communis* L. in Jammu and Kashmir, India. *Brazilian Journal of Biological Sciences*, **4** (8): 265-272. ISSN 2358-2731 <https://dx.doi.org/10.21472/bjbs.040805>
104. Devi H. S., Boda, M. A., Shah M. A., Parveen S. and Wani. A. H. (2018). Green synthesis of iron oxide nanoparticles using *Platanus rientalis* leaf extract for antifungal activity. *Green Process Synthesis* : 1-8. **ISSN :2191-9550 (On line)**; <https://doi.org/10.1515/gps-2017-0145> Received September 18, 2017; accepted February 2, 2018:
105. Fazili M. A., Wani A.l H. and Bhat Z. A. (Nov. 2017-18). Effect of oligomeric sodium alginate and chitosan on growth attributes, physiology and essential oil composition in *Mentha arvensis* L. in Northern Himalayas. *Journal of Functional and Environmental Botany*, **7** ()2 November: 101-111. ISSN- 2231-1742 (P), 2231-1750 (O)
106. Parveen S., Wani A.H., Bhat M.Y., Pala S.A. (2018): Comparative study of the antimycotic activity of aqueous and ethanolic extracts of *Berberis lyceum* and *Rumex obtusifolius* against selected rot fungi. – *Czech Mycol.* **70**(1): 47–56.

107. Parveena S. Wani A. H. Shah, M A. Devi, Devi S., Bhat M. Y. and Koka, J. A. (2018) Preparation, characterization and antifungal activity of iron oxide nanoparticles. *Microbial Pathogenesis*, **115**: 287- 292 0882-4010/ © 2017 Published by Elsevier Ltd. **ISSN: 0882-4010**; Impact Factor: 2.009 ; 5-Year Impact Factor: 2.043
108. Malik, A. R., Wani, A. H. and G. B. A., Bhat. Z. A., and Parveen, S. (2018). Hitherto unreported species of Ascomycetous Macrofungi of Kashmir Himalaya. *International Journal of Research and Engineering*. **7** (4): 1-11
109. War, J. M, Talie. M. , Bhat. Z. A., Wani, A. H., Bhat, M. Y., Gawande, P. A. and Mohiuddin Y. G. (March, 2018). In-vitro callogenesis of medicinal important plant *Andrographis paniculata* (Burm. f) Nees. *International Journal of Research and Engineering*, **7** (4) : 21454-2155. ISSN: 2319-835.
110. Koka J. A., Bhat M. Y., Wani A. H., Malik A. R., Wani, T. A. and Parveen S. (2018). Management of postharvest fungal rot of tomato (*Lycopersicon esculentum*) in Kashmir Valley, India. *International Journal of Research and Engineering*, **7** (4) : 1967-1976. ISSN: 2319-8354.

ABSTRACTS IN NATIONAL/INTERNATIONAL CONFERENCES/ SEMINAR /SYMPOSIA/ WORKSHOPS AND PAPERS PRESENTED

1. Wani, A.H. Tiyagi, S.A and Alam M.M. (1992). Control of root-knot and reniform nematodes on chilli by bare-root dip in dimethoate. *First Afro-Asian Nematology Symposium* November. 29- December.3,1992 A.M.U. Aligarh No. 116. *Afro-Asian Society of Nematologists*. Paper presented
2. Wani, A.H. Alam M.M. (1992), Reaction of cultivars/accessions of Chickpea to the root knot nematode, *Meloidogyne incognita*. *First Afro-Asian Nematology Symposium* November - December 3, 38 A.M.U. Aligarh November p 115. Paper presented
3. Wani, A.H., Ansari, A.P. and Akhtar, M. (1993). Evaluation of nematicidal potential of some members of family Compositae. *National Symp. Prospects and Problems of Bio-technol.* 19-20, February. 1993, Bioved Res. Society, Allahabad, Paper presented
4. Warn, A.H. and Alam, M.M. (1995). Susceptibility of cultivars/accession of Chickpea to root knot nematode, *Meloidogyne incognita*. *Proceed. 82nd Ind. Sci. Cong. Ass. Part IV* : 76. Abstract
5. Wani, A.H. and Alam, M.M. (1995). Integrated Control of plant-parasitic nematodes with organic amendment/nematicide, ploughing and intercropping of wheat with mustard. *Nat. Symp. Perspective in eco-friendly approaches to Pl. Protection*, 7-8 September., 1995. *Society of Pl. Protect. Sciences*, 75 pp. Paper presented.
6. Wani, A.H. and Alam, M.M. (1996). Integrated Control of plant-parasitic nematodes with organic amendments, intercropping and ploughing on Lentil, *Lens Culinaris*. *83rd Indian Sc. Cong. Association, Patalia* January. 3-8, 1996, P. 15. Abstract.
7. Wani, A.H. and Alam, M.M. (1996). Prophylactic control of root-knot nematode *Meloidogyne incognita* with seed soaking in "Nimin" and neem oil on Okra. *National symposium on prospects and problems of technology transfer and rural reality*, 17-18 February., 1996, Allahabad. Abstract

8. Wani, A.H. and Alam, M.M. (1996). Effect of seed treatment with pyridoxine hydrochloride and soil treatment with organic matter on the root knot development caused by *Meloidogyne incognita* and plant growth of Okra, *First Conference on Molecular Association*, A.M.U., Aligarh May, 1996. Paper presented.
9. Wani, A.H., Khan M. and Ashraf M. (2003). Effect of culture filtrates of fungi on the germination of tomato and brinjal seeds. National Seminar on Recent Advances in Plant Science Research, 12-14 Oct, 2003. p 55. Department of Botany, University of Kashmir., Srinagar, Kashmir, India. (Abstract).
10. Wani, A.H. (2004). Effect of organic amendments with oil cakes and leaves alone and in different combination on the root-koot nematode, *Meloidogyne incognita* and *Fusarium oxysporium* and plant growth of Okra cv. Prvani Kranti. *6th Indian Agricultural Scientists and Farmers Congress*, 21-22 Feb, 2004. Vigyan Prishad University of Allahabad, Allahabad. Bioved research society, Allahabad-211002.India. (Abstract).
11. Ashraf, M., Wani, A.H. and Khan ,M.A. (2004). Effect of different concentrations of leaf extracts of some plants on the germination of conodia of *Sphaerotheca fuliginea* and *Erysiphe cichoracearum*. *6th Indian Agricultural Scientists and Farmers Congress*, 21-22 Feb, 2004. Vigyan Prishad University of Allahabad, Allahabad. Bioved Research Society, Allahabad-211002.India. (Abstract).
12. Khan, M.A., Wani, A.H. and Ashraf, M. (2004). The frequency and relative abundance of Rhizospheric soil fungi on tomato and brinjal in different localities of Srinagar and Baramulla. *6th Indian Agricultural Scientists and Farmers Congress*, 21-22 Feb, 2004. Vigyan Prishad University of Allahabad, Allahabad. Bioved research society, Allahabad-211002.India. (Abstract).
13. Wani, M.A., Zargar, M.Y., Wani A. H., Khan M. A., Mukhtar, A.B. *et. al.* (2003). Isolation and characterization of Rhizosphere Bacteria from *Pinus wallichiana*. National Symposium on plant biology and Bio-diversity in changing environment. Dec., 29-31, 2003. Deptt. of Botany, Faculty of Science, Jamia Hmdard, New Delhi. pp 43 (Abstract).
14. Wani A.H. and Wani T.A. (2005). Fruit rot of apple in Kashmir valley. *7th Indian Agricultural Scientists and Farmers Congress*, 21-22 Feb, 2005. SVBP University of agriculture and Technology, Meerut. (Paper presented).
15. Farhat, A., Wani, A. H. and Munshi, A. H. (2006). Effect of Lead on growth and development of Tomato (*Lycopersicon esculentum*). *2nd J & K Congress*. 25-27, July, 2006. University of Kashmir an DST, india and JKCST, pp. 79. (Abstract).
16. Boda, R. H., Khan, M. and Taskeen-un-Nisa, Wani, A. H. and Munshi, A. H. (2006). Mushroom flora of Verinag. *2nd J & K Congress*. 25-27, July, 2006. University of Kashmir an DST, india and JKCST, pp. 102. (Abstract).
17. Taskeen-un-Nisa, Wani, A. H., Boda, R. H. and Khan, M. Munshi, A. H. (2006). Studies on Fungal rot of garlic grown in Kashmir. *2nd J & K Congress*. 25-27, July, 2006. University of Kashmir an DST, india and JKCST, pp. 108. (Paper presented).
18. Taskeen-un-Nisa, Wani, A. H., Boda, R. H. and Munshi, A. H. (2006). Studies on Fungal rot of chilli grown in Kashmir. *2nd J & K Congress*. 25-27, July, 2006. University of Kashmir an DST, india and JKCST, pp. 107. (Abstract).
19. Tasskeen-un-Nisa, Wani, A. H. and Boda, R. H. (2008). Storage diseases of onion and their control in Kashmir Valley. *Proceedings of 4th JK Science Congress*, Nov., 12-14, 2008, University of Kashmir and DST, Government of India. (Abstract)

20. Boda, R. H. Wani, A. H. and Taskeen-un-Nisa (2008). Mushroom Flora of Aharbal Area of Kashmir Valley. *Proceedings of 4th JK Science Congress*, Nov., 12-14, 2008, University of Kashmir and DST, Government of India. (Paper Presented).
21. Wani, A. H., Taskeen-un- Nisa and Boda, R. H. (2008). Biological control of wilt of tomato caused by *Fusarium oxysporum* with some fungal antagonists. *Proceedings of 4th JK Science Congress*, Nov., 12-14, 2008, University of Kashmir and DST, Government of India. (Paper presented)
22. Ashraf, M. and Wani, A. H. (2009). Distribution and identity of powdery mildews of Asteraceae in the district Kupwara of Kashmir Valley. National Conference on Biodiversity: Present status and future challenges. March 12-14, 2009. Department of Botany, University of Kashmir Srinagar-190006. (Paper presented).
23. Wani, A. H. and Ashraf, A. and Taskeen-un-Nisa (2008). Incidence and Identity of Powdery mildew Fungi on *Populus alba* in Kashmir. . *6th J&K Science Congress*, 2010. (Paper presented).
24. Wani, A. H, Boda, R. H. Pala, S. A. and Bhat, M. Y. (2010). Morels in Southern Kashmir Himalya. *6th JK Science Congress*, 2th-4th Dec., 2010, pp., 142, University of Kashmir and DST, Government of India. (Paper presented).
25. Mir, R. A., Wani, A. H., Bhat, M. Y., Taskeen-un- Nisa and Pala, S. A. (2010). Incidence and Severity of powdery mildew fungus on some plants in Kasmir Valley. *6th JK Science Congress*, 2th-4th Dec., 2010, University of Kashmir and DST, Government of India, pp. 142. (Abstract).
26. Pala, S. A. and Wani, A. H. (2010). Mushroom Flora of Gulmarg, Kashmir. *6th JK Science Congress*, 2th-4th Dec., 2010, University of Kashmir and DST, Government of India, pp. 133. (Abstract).
27. Wani, A. H. and Bhat, M. Y. (2011). Effect of post harvest spray of botanicals and fungicides on storage disease of onion in Kashmir valley. *9th National symposium on crop health management for sustainable –agri-horticultural cropping ssysyems* 17-19 Feb., 2011. at, Potblair, Andman and Nocobar., Society of plant Protection Sciences, Division of Nematology, IARI, New Delhi. (Paper presented).
28. Bhat, M. Y., Wani, A. H. Ashaq, M. A. and Shah, N. A. (2011). In-vitro and in-vivo mortality of root-knote nematode on black gram *Vigna mungo* L. using different fungal filtrates. National Symposium on “Strategic issues in Plant Pathological Research” IPS (NS) and INSOPP, NOV., 24-26th , 2011. Department of Pl. Pathology, CSKHP K Vishvavidyalaya, Palampur, H.P., pp. 23. (Abstract).
29. Wani, A. H. and Bhat, M. Y. (2011). Incidence and severity of Post-harvest rot of tomato in Kashmir Valley. National Symposium on “Strategic issues in Plant Pathological Research” IPS (NS) and INSOPP, NOV., 24-26th , 2011. Department of Pl. Pathology, CSKHP K Vishvavidyalaya, Palampur, H.P. pp., 70. (Paper presented).
30. Wani, A. H. and Bhat, M. Y. (2011). Effect of urea coated with nimin or other natural oils on the root-knot nematode, *Meloidogyne incognita* and plant growth of *Vigna radiata*, p. 219. *3rd Bio-pesticide International Confernce (BIOCON 2011)*, Nov., 28-30th , 2011. St. Xaviers College, a, Tamil Nadu and Tamil Nadu University, India (Paper presented).
31. Bhat, M. Y. and Wani, A. H. (2011). Effect of Interaction of *Meloidogyne incognita*, *Paecilomyces lilacinus* and plant growth promoting rhizobacteria on black gram, *Vigna mungo*.p., 56. . *3rd Bio-pesticide International Confernce*

- (BIOCON 2011), Nov., 28-30th, 2011. St. Xaviers College, a, Tamil Nadu and Tamil Nadu University, India. (Abstract).
32. Bhat, M.A., Wani, A.H. and Ashaq, M. (2013). An ecofriendly approach for sustainable Agriculture: Biopesticides. *International Conference on Environmental issues and sustainable Development*, 1-2 March, 2013, organized by Department of Geography, University of Jammu, India, pp. 4 (Paper Presented)

SEMINARS/CONFERENCES/ SYMPOSIA/ WORK SHOPS ATTENDED – 41

1. First Afro-Asian Nematology Symposium, 1992, Aligarh.
2. National Symposium on "Recent Approaches in Integrated Nematode Management of Agricultural Crops, 1993, Hisar.
3. National Symposium on Perspectives in Eco-friendly approaches to plant protection, 1993, New Delhi.
4. National Symposium on Prospects and Problems of Bio-technology, 1995, Allahabad.
5. First International Conference on Molecular Association A.M.U., 1996, Aligarh.
6. 4th Indian Agricultural Scientists and Farmers Congress 2002, Meerut.
7. National Seminar on Recent Trends in Life Sciences 2002. CORD, The University of Kashmir, Srinagar
8. National Seminar on Inter Disciplinary Approaches in zoological Research, 2003, Department of Zoology, University of Kashmir.
9. National Seminar on Recent Advances in Plant Science Research., Department of Botany, 2003, University of Kashmir.
10. 7th Indian Agricultural Scientists and Farmers Congress, 2005. SVBP University of agriculture and Technology, Meerut
11. 2nd JK Science Congress, 12-14 Nov., 2006, University of Kashmir and DST, Government of India. University of Kashmir and DST, Government of India.
12. 8th Agriculture Scientists and Farmers Congress, 21-22 Feb., 2006. Organized by Banaras Hindu University, Banaras and Bioved Research Society Allahabad, U.P., India.
13. 4th JK Science Congress, 2008, University of Kashmir and DST, Government of India.
14. National Conference on Biodiversity: Present status and future challenges. March 12-14. 2009. Department of Botany, University of Kashmir Srinagar-190006
15. 6th JK Science Congress, 2010, University of Kashmir and DST, Government of India
16. 9th National symposium on crop health management for sustainable –agri-horticultural cropping systems 17-19 Feb., 2011. at, Potblair, Andman and Nicobar. Society of plant Protection Sciences, Division of Nematology, IARI, New Delhi
17. National Symposium on "Strategic issues in Plant Pathological Research" IPS (NS) and INSOPP, NOV., 24-26th, 2011. Department of Pl. Pathology, CSKHP K Vishvavidyalaya, Palampur, H.P.
18. 3rd Bio-pesticide International Conference (BIOCON 2011), Nov., 28-30th, 2011. St. Xaviers College, a, Tamil Nadu and Tamil Nadu University, India
19. Work shop on *Patent Awareness Programme* from 15th to 6th Oct., 2004; organized by P.G. Department of Electronics and Instrumentation Technology University of Kashmir and Technology Information Forecasting and Assessment Council, Department of Science and Technology Govt., Of India.
20. Participated UGC-SAP sponsored Two days National Seminar on *Himalayan Resources: Issues, Challenges and Management Strategies* from 11th – 12th Oct., 2011;

Organised by Department of Geography and Regional Development University of Kashmir, Srinagar, Jammu and Kashmir.

21. Participated in the World Arbour Day Celebration on 22nd March, 2011 organized by the Department of Botany, University of Kashmir, Srinagar.
22. Participated in the International Day for Biodiversity on 23rd May, 2011 organized by the Department of Botany, University of Kashmir, Srinagar.
23. Participated in a workshop on “Sustainable Utilization of Medicinal and Aromatic Plants of Kashmir Himalaya in Regional Development” on 15th October, 2011. Organised by Department of Botany, University of Kashmir, Srinagar
24. 14th Indian Agriculture Scientists and Farmers Congress on Diversification in Agriculture and Agripreneurship, 18-19, Feb., 2012. Organized by Bioved Research Institute of Agriculture and Technology (BRIAT). Allahabad, U.P. and DST, Govt. of India.
25. Attended Two days Short Term Course on Research Methodology in Nano Science organized by UGC-Acedemic Staff College, University of Kashmir in collaboration with National Institute of Technology, Srinagar from 9th De. To 10th Dec., 2011.
26. Attended Inspire Science camp Organized by National Institute of Technology Srinagar From 19-23, May, 2012
27. Attended and presented research paper in 8th JK Science Congress, 2012, University of Kashmir and DST, Government of India
28. Attended and presented research paper in *International Conference on Environmental issues and sustainable Development*, 1-2 March, 2013, organized by Department of Geography, University of Jammu, India
29. Participated in the International Day for Biodiversity on 23rd May, 2013 on the theme, *Biodiversity and water*, organized by the Department of Botany, University of Kashmir, Srinagar
30. Attended *International Conference on Environmental issues and sustainable Development*, 1-2 March, 2013, organized by the Department of Geography, University of Jammu, India and presented a paper, “An eco-friendly approaches for sustainable agriculture: Biopesticides”
31. Participated in the International Day for Biodiversity on 23rd May, 2013 on the theme, *Biodiversity and water*, organized by the Department of Botany, University of Kashmir, Srinagar
32. Attended 9th JK Science Congress, 1-3, Oct., 2013, University of Kashmir and DST, Government of India and presented research paper entitled, “Two new records of mushrooms from Kashmir Valley”
33. Participated in the *National Science Day* on 14th Sept., 2013 on the theme, “Genetically modified foods and food security”, Organized by Department of Botany, University of Kashmir Participated in “Science Academics Lecture workshop “Himalayan Biodiversity and Bioresources: Mapping, Utilization and Conservation” from 8-10, 2014, organized by department of Botany, University of Kashmir, Srinagar Kashmir and sponsored by IASC, Banglore, INSA, new Delhi and NAS, Allahabad
34. Attended 11th JK Science Congress, on Scientific, social and Economic dimensions of climatic changed from 12-314, Oct., 2015, organized by University of Kashmir and DST, Government of India and presented research paper entitled, “Two new records of mushrooms from Kashmir Valley”

35. Attended National seminar “ Biodiversity, Biology and Bioprospecting” from April 1-2, 2015, organized by Department of Botany, University of Kashmir and SERB, DST, New Delhi
36. Attended and presented a paper entitled “ Ethnomycological studies of some wild mushrooms of Kashmir Himalayas” in 6th International Conference on Plant Pathogens and People, challenges in Plant Pathology to benefit Humankind, Feb 23-27, 2016, organized by Indian Phytopathological Society and American Phytopathological society, at IARI, New Delhi, India
37. Attended National Seminar on Environmental Pollution: “Join the race to make the world a better place” On the eve of Observation of World Environment day- from June 4-5, 2016 organized by Department of Environmental Sciences and Centre for Research for development, University of Kashmir and DST, Government of India and presented research paper
38. Attended and presented a paper entitled “ Role of PGPR in Plant parasitic management” in 6th International Conference and Indian chapter Asian PGPR Satellite workshop, on “PGPR for sustainable Crop Productivity Feb 2^{5th}, 2016, organized by Indian Phytopathological Society and Asian PGPR society, at IARI, New Delhi, India
39. Participated in National Training work shop on “Plant Taxonomy: Principles and Practices from 27-20 March, 2017, organized by Centre for Biodiversity and Plant taxonomy (CBT) and Department of Botany, University of Kashmir, Srinagar Kashmir
40. Attended and presented a paper entitled, “Ethnomycological studies of some wild mushrooms of Kashmir Himalayas” in National Symposium on Mushroom and Innovations in Mushroom Science held from 27-28 april, 2017, organized by ICAR-Directorate of Mushroom Research, Solan, HP, India
41. Delivered a lecture on “Mushroom cultivation and its importance” under skill development programme at Department of Botany, Degree college, Baramulla on 16th May, 2016 under theme” Mushroom cultivation” under CPE Plan Funding development of UGC

MEMBERS OF ACEDAMIC SOCIETIES/CONGRESS

Annual members

1. Nematological Society of India.
2. Society of Plant Protection, Sciences I.A.R.I., New Delhi..
3. Science Congress Association, Calcutta.
4. Annuals of Applied Biology, U.K.
5. Indian Society of Phytopathology.
6. Society for Biocontrol Advancement
7. Association of Indian Pathologists
8. Indian Society of Mycology and Plant Pathology

Life Members

1. Bioved Research Society, Allahabad.
2. Jammu and Kashmir Academy of Sciences
3. Associate Editor to Journal “ Microbial Bioactives” published by Eman Reasearch, Bangladesh

AWARDS/ SCHOLARSHIPS/CERTIFICATES

1. Post Graduate scholarship (Source: A.M.U.)
2. Senior Research Fellowship (Source: A.M.U.)
3. Certificate of Appreciation from Afro-Asian society of Nematologists.
4. Young scientists Award of 2005, Bioved Research Society. Allahabad.
5. **Best paper poster presentation Award** in 6th International Conference on Plant Pathogens and People, challenges in Plant Pathology to benefit Humankind, Feb 23-27, 2016, organized by Indian Phytopathological Society and American Phytopathological society, at IARI, New Delhi, India

Chairperson in Conferences/ symposia

1. Chair a session in “Science Acedemics Lecture workshop “ Himalayan Biodiversity and Bioresources: Mapping,Utilization and Conservation” from 8-10, 2014, organized by department of Botany, University of Kashmir, Srinagar Kashmir and sponsored by IASC, Banglore, INSA, new Delhi and NAS, Allahabad
2. Chair a session in 11th JK Science Congress, on Scientific, social and Economic dimensions of climatic changed from 12-314, Oct., 2015, organized by University of Kashmir
3. Chair a session in in National Training work shop on “Plant Taxonomy: Principles and Practices from 27-20 March, 2017, organized by Centre for Biodiversity and Plant taxonomy (CBT) and Department of Botany, University of Kashmir, Srinagar Kashmir
4. Chair a session in National Seminar on Environmental Pollution: “Join the race to make the world a better place” On the eve of Observation of World Environment day- from June 4-5, 2016 organized by Department of Environmental Sciences and Centre for Research for development, University of Kashmir a

No of Ph.D /M. Phil scholars completed or pursuing Research

Completed M.Phil=3; Pursuing : 7= Ph. D.; M. Phil. =3, M. Sc. Projects: 50

TRAINING COURSES/ORIENTATION/REFRESHER COURSES

1. Computer Office Automation Course, A.M.U. Aligarh
2. Computer Training on WordStar/HPG, A.M.U. Aligarh
3. Orientation Course, Academic Staff Collage, Kashmir University.
4. Refresher course, Academic Staff Collage, Kashmir University.

SUPERVISING/GUIDING/CO-GUIDING (M.Phil & Ph.D)

Research Guidance

S. No.	Number Enrolled	Thesis Submitted	Degree awarded
M.Phil. or equivalent	4	-	03
Ph. D. or equivalent	07	02	04

MEMBER OF UNIVERSITY BODIES AND ADMINISTRATIVE BODIES

1. Member of Undergraduate courses in Botany.
2. Member of Postgraduate courses in Botany.
3. Member of Postgraduate courses in Bioresources
4. Members board of studies at under graduate level for vocational subjects, Mushroom cultivation and food preservation.
5. Member Board of Research studies, Botany, AMU., Aligarh.
6. Incharge library, Scientific store and instrumentation and other affairs of the department
7. Nodal officer of Departmental Internal Quality assurance Cell (DIQAC)

EXAMINATION WORK ATTENDED AT HOME/ OTHER UNIVERSITIES

1. Conduct of M.Phil, P.G. level and U.G. level examinations in Botany.
2. Setting of M.Phil, P.G. level and U.G. level papers in Botany.
3. Evaluation of Undergraduate and Postgraduate subjects in Botany and Bioresources.
4. Evaluation of M.Phil papers in Botany.
5. Evaluation of Ph. D Theses in Botany
6. Evaluation of M.Sc. Written Test papers in Botany and Bioresources.
7. External examiner for M Sc./ M.Phil./Ph.D.

Other Achievements

1. Worked as Mentor of Post Doctoral Fellow (PDF) in a Project, Studies on Corm rot of *Crocus sativus* (Saffron) in Kashmir.
2. Delivered some important invited lectures on Mushroom Cultivation Technology in a workshop entitled ,” Training in Mushroom cultivation Technology” organized by USIC, Kashmir University and National Entrepreneur Development cell (EDC), Kashmir University.
42. Delivered a lecture on “Mushroom cultivation and its importance” under skill development programme at Department of Botany, Degree college, Baramulla on 16th May, 2016 under theme” Mushroom cultivation” under CPE Plan Funding development of UGC
3. Reviewer of research papers from National and International Journals.

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Prof. (Dr). Abdul. Hamid Wani