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|  **Dr. Zahoor Ahmad Itoo**  |
|  **M.Sc ,M.Phil , M.ED, P.hD** **NET** **PERSONAL DETAILS**Name Zahoor Ahmad ItooParentage Ali Mohammad ItooPermanent address Sonigam, KulgamDistrict KulgamState Jammu and Kashmir Pin code 192232D. O. B. 06-04-1984Nationality IndianPosition Assistant Professor (4/7/2017 Date of Joining) **Academic qualification*** M.Sc (Botany) from University of Kashmir, Srinagar
* Joint CSIR/UGC NET (LS) in Life Science in 2007
* Joint CSIR/UGC NET (LS) in Life Science in 2008
* M.Phil from Department of Botany University of Kashmir, Srinagar
* B.ED from University of Kashmir, Srinagar
* M.ED from University of Kashmir, Srinagar
* PhD from Department of Botany, University of Kashmir, Srinagar
* **Achievements**
* Qualified joint CSIR/UGC NET (LS) in Life Science held on 18-12-2007
* Qualified joint CSIR/UGC NET (JRF) in Life Science held on 18-06-2008
* Completed research project on Molecular characterization of ectomycorrhizal fungi sponsored by Department of Biotechnology, Govt. of India
* Participated and presented research papers in symposia and national level conferences
* Awarded Doctor of Philosophy in Botany by University of Kashmir, Srinagar on 30 June 2014.
* More than 40 GenBank accessions.
* Patent submitted on “**Inhibition of S6KI activity by ethanolic mushroom extracts**” under number 16222
* Attended 7th Young Investigators Meeting held in Srinagar from 27-03-2015 to 1-4-2015.
* Reviewer for Journal of Advances in Biology and Biotechnology.
* Member of Consortium for Educational Communication.

**Research Papers presented in Conferences and Symposia**1. **Ectomycorrhizal diversity associated with *Pinus wallichiana* and *Cedrus deodara* in Kashmir Himalaya, India.**

**Zahoor Ahmad Itoo**, Zafar Ahmad Reshi(**National Conference on Biodiversity: present status and future challenges**, Department of Botany, University of Kashmir, 26-28 March 2009, Abs. 9. pp 50- 51)1. **Diversity of ectomycorrhizal fungi of some important conifers of Kashmir Himalayas.**

Balwant Verma, MS Reddy**, Zahoor Ahmad Itoo**, Zafar Ahmad Reshi, Balwant Verma, M. S. Reddy(**Presented at 35th Annual Meeting of the Mycological Society of India (MSI)** held in Chennai on 29th & 30th January, 20091. **Ectomycorrhizal diversity of Kashmir Himalaya, India: An untapped resource.**

**Zahoor Ahmad Itoo**, Zafar Ahmad Reshi**(National seminar on Himalayan Resources: Issues , Challenges and Management Strategies, organized by the Department of Geography and Regional Development, University of Kashmir, Srinagar, Jammu and Kashmir.**1. **Effect of different nitrogen and carbon sources and concentrations on the mycelial growth of ectomycorrhizal fungi under *in-vitro* conditions.**

**Zahoor Ahmad Itoo**, Zafar Ahmad Reshi**(8th JK Science Congress 2012 Science, Technology and Regional Development: Opportunities and Challenges” University of Kashmir, J &K state council for S&T and DST, GOI)**1. **Characterization and Identification of Ectomycorrhizal Fungal Species from Kashmir Himalaya by PCR Analysis of the rDNA Internal Transcribed Spacer (ITS). Zahoor A Itoo,** Zafar A Reshi, Khurshid I Andrabi.**(9th JK Science Congress 2013 & Regional Science Congress)**
2. **Diversity of ectomycorrhizal *Amanita* species from Kashmir Himalayan Coniferous Forests. Zahoor A Itoo,** Zafar A Reshi **(9th JK Science Congress 2013 & Regional Science Congress)**
3. **Wild mushrooms as a source of lead metabolites with chemotherapeutic potential. Zahoor Ahmad Itoo,** Sheikh Tahir Majeed, Qussin Basharat, Zafar A Reshi, Khurshid I Andrabi. **Poster presentation on international conference on Cellular and Molecular Mechanisms of Disease Processes**
4. **Diversity of Arbuscular Mycorrhizas associated with Saffron in the Kashmir valley, India. Zahoor Ahmad Itoo,** Zafar A Reshi, Manzoor A Shah.

Abstract accepted for presentation at **8th international conference on mycorrhiza** to be held in USA. 1. **Mushrooms as a source of lead metabolites with chemotherapeutic potential. Zahoor Ahmad Itoo,** Zafar A Reshi, Sheikh Tahir Majeed, Qussin Basharat, Khurshid I Andrabi **National Symposium on Biodiversity, Biology and Bioprospecting organized by the Department of Botany, University of Kashmir, Srinagar.**

**Research papers published**1. **Zahoor Ahmad Itoo,** Zafar A Reshi. **Ectomycorrhizal diversity associated with *Cedrus deodara* and *Pinus wallichiana* in the Kashmir Himalaya, India. Pakistan Journal of Biological Sciences. Dol: 10.3923/pjb.2013**
2. **Zahoor Ahmad Itoo,** Zafar A Reshi, Khurshid I Andrabi. **Characterization and identification of *Russula firmula* and *Russula postiana* from Himalayan moist temperate forests of Kashmir. African Journal of Biotechnology 12: 3643-3647**
3. **Zahoor Ahmad Itoo,** Zafar A Reshi. **Influence of ectomycorrhizal inoculation on *Pinus wallichiana* and *Cedrus deodara* seedlings under nursery conditions. Frontiers in Biology DOI 10.1007/11515-014-1292-4**
4. **Zahoor Ahmad Itoo,** Zafar A Reshi. **Diversity of ectomycorrhizal *Amanita* species from Kashmir Himalayan coniferous forests. International Journal of Current Research 6: Issue, 02, 2014**
5. **Zahoor Ahmad Itoo,** Zafar A Reshi. **The Multifunctional Role of Ectomycorrhizal Associations in Forest Ecosystem Processes. Botanical Review** 79:371–400
6. **Zahoor Ahmad Itoo,** Zafar A Reshi. **Effect of different nitrogen and carbon sources and concentrations on the mycelial growth of ectomycorrhizal fungi under in-vitro conditions**. **Scavandian journal of forest research.**
7. **Zahoor Ahmad Itoo,** Zafar A Reshi. **Diversity of ectomycorrhizal macromycetes associated with *Cedrus deodara* and *Pinus wallichiana* in the Kashmir Himalaya, India. African Journal of Plant Sciences.**
8. ***Zahoor Ahmad Itoo,* S**heikh Tahir Majeed, Qussin Basharat, Zafar A Reshi, Khurshid I Andrabi. **Characterization and identification of *Inocybe geophylla* and *Inocybe mimica* from temperate forests of Kashmir Himalaya, India. Jk Knowledge Initiative**
9. ***Zahoor Ahmad Itoo,* S**heikh Tahir Majeed, Qussin Basharat, Zafar A Reshi, Khurshid I Andrabi. **Characterization of ectomycorrhizal *Cortinarius* species (Agaricales, Basidiomycetes) from temperate Kashmir Himalaya, India.** Advances in Molecular Biology.
10. ***Zahoor Ahmad Itoo,* S**heikh Tahir Majeed, Qussin Basharat, Khurshid I Andrabi, Zafar A Reshi. Ectomycorrhizal fungal species of Kashmir Himalaya: identification and characterization by ITS analysis. **Brazilian Journal of Botany.** 10.1007/s40415-014-0081-2**.**
11. ***Zahoor Ahmad Itoo***, Zafar A. Reshi, Sheikh Tahir Majeed, Qussin Basharat, Khurshid Iqbal Andrabi. **Morphological and Molecular Characterization of Ectomycorrhizal *Amanita* Species Associated with *Pinus wallichiana* A. B. Jacks**. **Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.** DOI 10.1007/s40011-015-0527-
12. ***Zahoor Ahmad Itoo***, Zafar A. Reshi, Sheikh Tahir Majeed, Qussin Basharat, Khurshid Iqbal Andrabi. Inhibition of S6KI acitivity by ethanolic mushroom extracts.  **Patent Office Journal** No.2271/DEL/2014 A
13. ***Zahoor Ahmad Itoo***, Zafar A. Reshi. Ectomycorrhizal Lactarius species associated with Pinus wallichiana in Kashmir Himalaya India: Characterization and Identification through Morphological and Molecular approaches. Journal of Forestry Research.

**RESEARCH PAPERS COMMUNICATED****(UNDER REVIEW)**1. ***Zahoor Ahmad Itoo,* S**heikh Tahir Majeed, Qussin Basharat, Zafar A Reshi, Khurshid I Andrabi. **Molecular characterization of some wild mushroom species from Himalayan temperate forests of Kashmir, India using ITS-rDNA barcoding.** **Ecology and Evolution**.
2. ***Zahoor Ahmad Itoo,*** Zafar A Reshi.**Characterization and identification of ectomycorrhizal mushrooms from temperate forests of Himalaya, India throughITS**-rDNA barcoding. **Biodiversity and Conservation.**
3. ***Zahoor Ahmad Itoo,*** Zafar A Reshi, Khurshid I Andrabi. **Characterization and Identification of *Scleroderma* species from Himalayan Moist Forests of Kashmir. Brazilian Journal of Microbiology.**
4. ***Zahoor Ahmad Itoo,*** Zafar A Reshi, Khurshid I Andrabi. Characterization and identification of ectomycorrhizal *Rhizopogon* species from temperate Kashmir Himalaya by PCR analysis of the rDNA internal transcribed spacer (ITS). **Mycorrhiza.**
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