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| **Dr. Zahoor Ahmad Itoo** |
| **M.Sc ,M.Phil , M.ED, P.hD**  **NET**  **PERSONAL DETAILS**  Name Zahoor Ahmad Itoo  Parentage Ali Mohammad Itoo  Permanent address Sonigam, Kulgam  District Kulgam  State Jammu and Kashmir  Pin code 192232  D. O. B. 06-04-1984  Nationality Indian  Position 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, 2009   1. **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.** |