

**REIAZ UL REHMAN. Ph. D.****Assistant Professor**

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**Education (Post-Graduation onwards & Professional Career)**

S. No.	Institution (Place)	Degree Awarded	Year	Field of Study
1	A.M:U (Aligarh)	B.Sc.	1996	Botany (Hons)
2	Hamdard University (N.Delhi)	M.Sc.	1998	Botany
3	Hamdard University (N.Delhi)	Ph.D.	2003	Biotechnology

**Position and Employment (Starting with the most recent employment)**

S. No.	Institution Place	Position	From (Date)	To (date)
1	Jamia Hamdard, New Delhi, India.	Junior Research Fellow	1996	1998
2	Jamia Hamdard, New Delhi, India.	Senior Research Fellow	1998	2003
3	University of Louisville, Kentucky, USA.	Postdoctoral Research Associate	2003	2005
4	University of Salento, Lecce, Italy.	Marie Curie Postdoctoral Research Associate,	2005	2008
5	University of Lisbon, Lisbon, Portugal.	Marie Curie International Incoming Fellowship (IIF)	2008	2011
6	University of Kashmir, Srinagar, India	Assistant Prof.	2012	2016
7	University of Kashmir, Srinagar, India	Sr. Assistant Prof.	2016 onwards	

### Academic Qualification

- ✓ Doctorate (2003), Jamia Hamdard (New Delhi, India), Centre for Biotechnology.[http://www.jamiahAMD.edu/thesis\\_chicory.asp](http://www.jamiahAMD.edu/thesis_chicory.asp)
- ✓ Masters (1998), Jamia Hamdard (New Delhi, India), Department of Botany.
- ✓ Bachelors (1996), Aligarh Muslim University (AMU), Aligarh, UP, INDIA, Department of Botany.

### Professional Activities

- 2008-2011, Marie Curie International Incoming Fellowship (IIF), University of Lisbon, Lisbon, Portugal.
- 2005-2008, Marie Curie Postdoctoral Research Associate, University of Salento, Lecce, Italy.
- 2003-2005, Postdoctoral Research Associate, University of Louisville, Kentucky, USA.
- 1998-2003, Senior Research Fellow, Jamia Hamdard, New Delhi, India.
- 1996-1998, Junior Research Fellow, Jamia Hamdard, New Delhi, India.

### Research Projects

1. Drug resistance profiling and molecular mechanism of drug resistance in clinical isolates of pathogenic fungi. Indian Council of Medical Research (ICMR) AMR/1/2020/ECD-II. (**Principal Investigator**)
2. Cultivation, genetic diversity and active principal segregation of different accessions of *C. intybus* L (Chicory) growing in Kashmir Himalayas and Ladakh. File No: SR/WOS-A/LS-1278/2015. (**Principal Investigator**)
3. Self incompatibility studies in some local and exotic almond varieties. SERB/F/361/2017-18, dated 4<sup>th</sup> May, 2017 .( **Principal Investigator** )
4. "Evaluation of Salt Stress Tolerance of *Setaria italic* L." Innovative Research Activities" Head of 12<sup>th</sup> Plan.( **Principal Investigator** )
5. Studying plant cell secretion and membrane trafficking. Marie Curie International Incoming Fellowship (IIF), FFCUL, Lisboa, Portugal. (**Principal Investigator**) Local coordinator Prof. Rui Malho.
6. Development of new molecular tools to study secretion in plant cells (Marie Curie Postdoctoral Fellowship, 6<sup>th</sup> Framework, University of Salento, Lecce, Italy). (**Member of the team**).
7. Effect of cysteine proteinases and their inhibitors in tumor invasion and metastasis. (University of Louisville, KY, USA (**Member of the team**)).

8. Vegetable oil blending to develop nutritionally good quality cooking oil" Sponsored by Technology Mission on oil seeds, pulses and Maize (CSIR), Ministry of Agriculture and Cooperation, Govt. of India. (**Member of the Team**).
9. Development and utilization of soluble S-glass frits for the optimization of seed and oil yield in rapeseed-mustard"-Sponsored by Technology Mission on oil seeds, pulses and Maize (CSIR), Ministry of Agriculture and Cooperation, Govt. Of India. (**Member of the Team**).

### Awards

1. 2008, International Incoming Fellowship (IIF), European Commission, Marie Curie Actions (IIF), 7th Framework Programme on Research.
2. 2002, Best Presentation, National Seminar on recent Research Trends in Life Sciences. University of Kashmir, Srinagar-190006.
3. 2002, Senior Research Fellowship, Sponsored by Technology Mission on oil seeds, pulses and Maize (CSIR) Ministry of Agriculture INDIA
4. 2001, Junior Research Fellow, Hamdard National Foundation, Hamdard University, New Delhi-110 062.

### Memberships

- American Society of Plant Biologists (ASPB).
- Member International Society for Development and Sustainability (ISDS).
- Member Institute of Scholars (InSc).

### Publications

#### A. Thesis:

- ✓ **Ph.D. Thesis:** "Studies on regeneration in chicory (*Cichorium intybus* L.) and transformation by *Agrobacterium tumefaciens*" (2003). Jamia Hamdard (New Delhi, 110062, India) [http://www.jamiahAMD.edu/thesis\\_chicory.asp](http://www.jamiahAMD.edu/thesis_chicory.asp).
- ✓ **MSc Thesis:** "Physiochemical impact of the foliar applied sulphur on the growth and field performance of *Brassica campestris* L.CV. Pusa Gold." Jamia Hamdard.

#### B. Books:

1. Edited volume on "***Plant Signalling: Understand molecular cross talk***". (2013) Editors: Dr. Reiaz Ul Rehman, Dr. Khalid Rehman Hakeem, Prof. Inayatullah Tahir Publisher: Springer Science+Business Media, LLC; 233 Spring Street, New York, NY 10013, USA ISBN 978-81-322-1542-4 online, ISBN 978-81-322-1541-7 Hardcover <http://www.springer.com/life+sciences/biochemistry+%26+biophysics/book/978-81-322-1541-7>.

2. Authored Volume on "**Polypliody: Recent Trends and Future Perspectives**"(2017). Authors Tanveer Ul Hasan Dar, **Reiaz Ul Rehman**. Publisher: Springer. ISBN: 978-81-322-3772-3 <http://www.springer.com/in/book/9788132237709>.
  3. Authored Volume on "Buckwheat: Forgotten Crop for the Future: Forgotten Crop for the Future" (2021). Authors: Tanveer Bilal Pirzadah, **Reiaz Ul Rehman**. Publisher: Taylor and Francis, CRC Press, Boca Raton. eISBN: 978-10-030-8910-0. <https://www.taylorfrancis.com/books/mono/10.1201/9781003089100/>.
- c. **Papers in scientific periodicals with referees:**
1. Aadil Rasool, Wasifa Hafiz Shah, Naveed Ul Mushtaq, Seerat Saleem, Khalid Rehman Hakeem, Reiaz ul Rehman (2022) Amelioration of salinity induced damage in plants by selenium application: A review. South African Journal of Botany, 147:98-105. <https://doi.org/10.1016/j.sajb.2021.12.029>. (IF: 2.315.). (Scopus/ Web of science-Indexed).
  2. Mahak Majeed, Khalid Rehman Hakeem, **Reiaz ul Rehman** (2022). Synergistic effect of plant extract coupled silver nanoparticles in various therapeutic applications-present insights and bottlenecks. Chemosphere, 288: 132527. <https://doi.org/10.1016/j.chemosphere.2021.132527>. (IF: 7.086. Q1 [JCR932]). (Scopus/ Web of science-Indexed).
  3. Fayaz Ahmad Dar, Inayatullah Tahir, Khalid Rehman Hakeem, **Reiaz ul Rehman** (2022) Silicon Application Enhances the Photosynthetic Pigments and Phenolic/Flavonoid Content by Modulating the Phenylpropanoid Pathway in Common Buckwheat under Aluminium Stress. Silicon, 14: 323–334 <https://doi.org/10.1007/s12633-021-01501-w>. (IF: 2.670). (Scopus/ Web of science-Indexed).
  4. Fayaz Ahmad Dar, Inayatullah Tahir, Sameer H Qari, Aala A Abulfaraj, Maha Aljabri, Hesham F Alharby, Khalid Rehman Hakeem, **Reiaz Ul Rehman** (2021). Molecular Characterization and Population Genetic Structure of *Fagopyrum* Species Cultivated in Himalayan Regions. Sustainability 13 (21): 12165; <https://doi.org/10.3390/su132112165>. (IF: 3.251). (Scopus/ Web of science-Indexed).
  5. Sajad Ahmad Padder, Asiya Ramzan, Inayatullah Tahir, **Reiaz ul Rehman**, Abdul Haseeb Shah (2021). Metabolic flexibility and extensive adaptability governing multiple drug resistance and enhanced virulence in *Candida albicans*. Critical Reviews In Microbiology. (Accepted) (IF:7.624 Q1 [JCR787]). (Scopus/ Web of science-Indexed).

6. Mahak Majeed, Tanveer Bilal Pirzadah, Manzoor Ahmad Mir, Khalid Rehman Hakeem, Hesham H Alharby, Hameed Alsamadany, Atif A Bamagoos, **Reiaz ul Rehman (2021)**. Comparative Study on Phytochemical Profile and Antioxidant Activity of an Epiphyte-*Viscum album* L. (White Berry Mistletoe) Derived from Different Host Trees. **Plants** 2021, 10(6), 1191. <https://doi.org/10.3390/plants10061191> (IF:3.935 Q1 [JCR3133] ). (Scopus/ Web of science-Indexed).
7. Hasan S Al-Zahrani, Hesham H Alharby, Khalid Rehman Hakeem, **Reiaz ul Rehman (2021)**. Exogenous Application of Zinc to Mitigate the Salt Stress in *Vigna radiata* (L.) Wilczek—Evaluation of Physiological and Biochemical Processes. **Plants** : 10, 1005. <https://doi.org/10.3390/plants10051005>. (IF:3.935 Q1 [JCR3133] ). (Scopus/ Web of science-Indexed).
8. Seerat Saleem, Naveed Ul Mushtaq , Wasifa Hafiz Shah, Aadil Rasool, Khalid Rehman Hakeem, **Reiaz Ul Rehman (2021)**. Morpho-Physiological, Biochemical and Molecular Adaptation of Millets to Abiotic Stresses: A review. **Phyton-International Journal of Experimental Botany.** 90 (5) : 1363-1385, doi:10.32604/phyton.2021.014826 (IF:1.039 Q4 [JCR10801] ). (Scopus/Web of Science-Indexed).
9. Wasifa Hafiz Shah, Aadil Rasool, Seerat Saleem, Naveed Ul Mushtaq, Inayatullah Tahir, Khalid Rehman Hakeem, **Reiaz Ul Rehman (2021)**. Understanding the Integrated Pathways and Mechanisms of Transporters, Protein Kinases, and Transcription Factors in Plants under Salt Stress. **International Journal of Genomics**, 2021. Volume 2021 | Article ID 5578727 |. <https://doi.org/10.1155/2021/5578727>. (IF:2.414 Q3 [JCR6735]). (Scopus/ Web of science-Indexed).
10. Fayaz Ahmad Dar, Inayatullah Tahir, **Reiaz ul Rehman (2021)**.Morphological characterization reveals high intraspecies diversity in *Fagopyrum esculentum* Moench and *Fagopyrum sagittatum* Gilib from North-Western Himalayan regions. **Agricultural Research** (IF:0.99 Q3) AGRI-D-20-00479R2 (Accepted) (Scopus/ Web of science-Indexed).
11. Mahak Majeed, Khalid Rehman Hakeem, **Reiaz ul Rehman (2021)**. Mistletoe lectins: From interconnecting proteins to potential tumour inhibiting agents. **Phytomedicine Plus** 1(3):10039. <https://doi.org/10.1016/j.phyplu.2021.100039>. Elsevier
12. Fayaz Ahmad Dar, Tanveer Bilal Pirzadah, Inayatullah Tahir, Khalid Rehman Hakeem, **Reiaz ul Rehman (2020)**.Deciphering the in vitro antioxidant potential and mineral analysis of Fagopyrum species from Kashmir and Ladakh regions. **J Rep Pharma Sci** 9(2):235-245.[doi: 10.4103/jrtps.JRTPS\\_70\\_19](https://doi.org/10.4103/jrtps.JRTPS_70_19). (IF:0.58). (Scopus/ Web of science-Indexed)
13. Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, Khalid Rehman Hakeem, **Reiaz ul Rehman (2020)**. Assessment of tolerance responses in Chicory (*Cichorium intybus* L.) towards Lead and Aluminum. **Scientia Horticulturae**. 278: 109847. (IF: 3.463

Q1[JCR6735]). <https://doi.org/10.1016/j.scienta.2020.109847>. (SCI/SCOPUS-Indexed).

14. Naveed Ul Mushtaq , Seerat Saleem , Aadil Rasool , Wasifa Hafiz Shah , Khalid Rehman Hakeem, **Reiaz Ul Rehman (2020)**. Salt Stress Threshold in Millets: Perspective on Cultivation on Marginal Lands for Biomass. **Phyton-International Journal of Experimental Botany.** <doi:10.32604/phyton.2020.012163>. (IF:1.039 Q4 [JCR10801] ). (Scopus/Web of Science-Indexed).
15. Aadil Rasool, Wasifa H. Shah, Inayatullah Tahir, Hesham F. Alharby, Khalid Rehman Hakeem, **Reiaz ul Rehman (2020)**. Exogenous application of selenium (Se) mitigates NaCl stress in proso and foxtail millets by improving their growth, physiology and biochemical parameters. **Acta Physiologiae Plantarum (2020)** 42:116. <https://doi.org/10.1007/s11738-020-03109-w>. (IF: 2.354 Q2 [JCR6649]). (Scopus/Web of Science-Indexed).
16. Wasifa Hafiz Shah, Aadil Rasool, Inayatullah Tahir, **Reiaz Ul Rehman(2020)**. Exogenously applied selenium (Se) mitigates the impact of salt stress in *Setaria italica* L. and *Panicum miliaceum* L. **Nucleus.** <https://doi.org/10.1007/s13237-020-00326-z>. (IF:4.197 Q3 [JCR2761]). (Scopus/Web of Science-Indexed).
17. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, Khalid Rehman Hakeem, Hesham F Alharby, **Reiaz Ul Rehman (2020)**. Lead toxicity alters the antioxidant defense machinery and modulate the biomarkers in Tartary buckwheat plants. **International Biodeterioration & Biodegradation** 151 (2020) 104992. <https://doi.org/10.1016/j.ibiod.2020.104992>. (IF:4.320 Q1[JCR2612]).(Scopus/Web of Science-Indexed).
18. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz Ul Rehman**, Khalid Rehman Hakeem, Hesham F Alharby **(2019)**. Aluminium stress modulates the osmolytes and enzyme defense system in *Fagopyrum* species. **Plant Physiology and Biochemistry.**144:178-186.<https://doi.org/10.1016/j.plaphy.2019.09.033>. (IF:4.270 Q1 [JCR2612] ). (Scopus/Web of Science-Indexed).
19. Bisma Malik, Tanveer Bilal Pirzadah , Inayatullah Tahir , **Reiaz Ul Rehman (2019)**. Growth and physiological responses in chicory towards mercury induced in vitro oxidative stress **Plant Physiol. Rep.** 1-13. <https://doi.org/10.1007/s40502-019-00442-2>. (IF:0.90 Q3). (Scopus/Web of Science-Indexed).
20. Hesham F. Alharby, Hassan Al-Zahrani, Khalid Rehman Hakeem, **Reiaz ul Rehman**, Mohammad Iqbal**(2019)**. Salinity-induced antioxidant enzyme system in mungbean (*Vigna radiata* (L.) Wilczek) Cv.) genotypes. **Pakistan Journal of Botany** 51(4).[doi: 10.30848/PJB2019-4\(13\)](doi: 10.30848/PJB2019-4(13)). (IF:0.98 Q4 [JCR10994]). (Scopus/Web of Science-Indexed).

- 21.** Khalid Rehman Hakeem, Hesham F. Alharby, **Reiazul Rehman(2019)**. Antioxidative defense mechanism against lead-induced phytotoxicity in *Fagopyrum kashmirianum* **Chemosphere** 216: 595-604. [https://doi.org/10.1016/j.chemosphere\(2018\).10.131](https://doi.org/10.1016/j.chemosphere(2018).10.131). (IF:7.086 Q1[JCR932]). (**Scopus/Web of Science-Indexed**).
- 22.** Tanveer Bilal Pirzadah , Bisma Malik, Inayatullah Tahir and **Reiaz Ul Rehman(2018)**. “Buckwheat: Buckwheat Journey to Functional Food Sector”, **Current Nutrition & Food Science.** 14: 1. <https://doi.org/10.2174/1573401314666181022154332>. ISSN: 2212-3881. (IF:0.92 Q3). **Scopus –Indexed**
- 23.** Asiya Ramzan, Inayatullah Tahir, **Reiaz Ul Rehman (2018)**. Evaluation of *in vitro* Antioxidant Potential of *Amaranthus caudatus* L. Grown in Kashmir Region. **Pharmacogn J.** 2018; 75(18):1-7. <https://doi.org/10.5530/pj.2018.6.190>. (IF: 0.88 Q4). **Scopus –Indexed**.
- 24.** Fayaz Ahmad Dar, Susheel Verma, **Reiaz Ul Rehman (2018)**.Genetic Diversity Assessment of *Phaseolus vulgaris* L. in Two Himalayan Districts of India. **PNAS, India Section B: Biological Sciences** 1-9. [doi:10.1007/s40011-016-0742-y](https://doi:10.1007/s40011-016-0742-y). <http://link.springer.com/article/10.1007/s40011-016-0742-y>.ISSN: 0369-8211 (print version) ISSN: 2250-1746 (online). (IF:0.921 Q3)(**Scopus/Web of Science-Indexed**)
- 25.** Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, Qureshi M. Irfan & Reiaz Ul Rehman(**2017**). Characterization of mercury-induced stress biomarkers in *Fagopyrum tataricum* plants, **International Journal of Phytoremediation.**20:3, 225-236, [doi: 10.1080/15226514.2017.1374332](https://doi:10.1080/15226514.2017.1374332) Taylor and Francis. (IF:3.212 Q2). (**Scopus/Web of Science-Indexed**).
- 26.** Bisma Malik, Tanveer Bilal Pirzadah, Malik Zainul Abdin, **Reiaz ul Rehman(2017)** Somatic embryogenesis pattern and embryo formation in chicory (*Cichorium intybus* L.). **International Journal of Agricultural Technology.** 13 (1): 91-104. Available online <http://www.ijat-aatsea.com> ISSN 1686-9141. (IF: 0.16 Q4). **Scopus Index**
- 27.** Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, **Reiaz ul Rehman(2017)**. Chemo-profiling, Antioxidant potential and Ionomic analysis of *Cichorium intybus* L. **Pharmacognosy Journal.**9(6):917-928. [doi:10.5530/pj.2017.6.144](https://doi:10.5530/pj.2017.6.144). ISSN: 0975-3575. (IF: 1.07 Q3). **Scopus –Indexed**
- 28.** Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz Ul Rehman(2017)**. Antioxidant potential and Ionomic analysis of two buckwheat species from Kashmir region. **Pharmacognosy Journal.** 9(1): 73-82. [doi: 10.5530.pj.2017.14](https://doi:10.5530.pj.2017.14). ISSN:0975-3575 (**IF: 1.07 Q3**). **Scopus –Indexed**.
- 29.** Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz Ul Rehman(2016)**. Metabolite profiling of tartary buckwheat - An underutilized neutraceutical crop of

Kashmir Himalaya. Journal of Phytotherapy 8:49-54. <http://scienceflora.org/journals/index.php/jp/> doi: 10.19071/jp.2016.v8.3106. ISSN: 2075-6240. NAAS Rating (4.02). (IF: 0.14 Q4). Scopus Indexed

30. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, Mohammad Irfan Qureshi, **Reiaz Ul Rehman (2016)**. Metabolite Fingerprinting and Antioxidant Potential of Tartary Buckwheat- an Underutilized Pseudocereal crop from Kashmir Region. **Free Radicals and Antioxidants; 7(1): 95-106.** <https://phcog.net/content/free-radicals-and-antioxidants> ISSN: 2231-2536. published by Elsevier on behalf of SciBiolMed.Org and Phcog.Net. (IF:0.939 Q4). Scopus –Indexed
31. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz ul Rehman (2016)** Vivipary in *Fagopyrum esculentum*. **Folia Biologica ET Geologica.** 57 (2): 5-59. ISSN: 2335-2914 Slovenian Academy of Sciences and Arts
32. Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, Malik Zainul Abdin, **Reiaz Ul Rehman (2016)**. Phytochemical studies on *Cichorium intybus* L. (chicory) from Kashmir Himalaya using GC-MS. **Journal of Pharmacy Research, 10(11),715-726.** [http://jprsolutions.info/about\\_us.php](http://jprsolutions.info/about_us.php). ISSN: 0974-6943. UGC approved
33. Malhó R, Serrazina S, Saavedra L, Dias FV and **Rehman RU (2015)**. Ion and lipid signaling in apical growth—a dynamic machinery responding to extracellular cues. **Front. Plant Sci. 6:816.** doi:10.3389/fpls.2015.00816. ISSN: 1664-462X. (IF: 5.753 Q1). (Scopus/Web of Science-Indexed)
34. Tanveer Bilal, Bisma Malik, **Reiaz ul Rehman**, Manoj Kumar (2015). Influence of various parameters on cellulase and xylanase production by different strains of *Trichoderma species*. **Austin Journal of Analytical Chemistry and Pharmaceutical Science, 2(1): 1034.** ISSN: 2381-8913. (IF:2.1). (Scopus/Web of Science-Indexed)
35. Tanveer Pirzadah, Shashank Garg, Joginder Singh, Ashish Vyas, Manish Kumar, Naseem Gaur, Madhu Bala, **Reiaz Ul Rehman**, Ajit Varma, Vivek Kumar and Manoj Kumar (2014). Characterization of Actinomycetes and Trichoderma spp. for cellulase production utilizing crude substrates by response surface methodology. **SpringerPlus, 3:622.** ISSN: 2193-1801. [https://doi.org/10.1186/2193-1801-3-622.](https://doi.org/10.1186/2193-1801-3-622) (IF:1.841). (Scopus/Web of Science-Indexed)
36. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz ul Rehman** (2013). Buckwheat: An introspective and future perspective with reference to Kashmir Himalayas. Proc. 12<sup>th</sup> Intl. Symp. Laško, Slovenia. pp. 212-215. ([Conference Proceedings of International Symposium 21-25 Aug. 2013](#)).
37. **Reiaz Ul Rehman**, Sara Rinalducci, Lello Zolla, Giuseppe Dalessandro, Gian Pietro Di Sansebastiano (2011). *Nicotiana tabacum* protoplasts secretome can evidence relations among regulatory elements of exocytosis mechanisms. **Plant Signaling and**

- Behavior 2011. 6(8):1140-1145). [doi: 10.4161/psb.6.8.15750](https://doi.org/10.4161/psb.6.8.15750). (IF:2.247 Q2). (Scopus/Web of Science-Indexed).
38. Reiaz Ul-Rehman, Pedro Angelo and Rui Malho (2011). Localization of Arabidopsis SYP125 syntaxin in the plasma membrane Sub-apical and distal zones of growing pollen tubes. Plant Signaling and Behavior. 6(5):665-670. [doi:10.4161/psb.6.5.14423](https://doi.org/10.4161/psb.6.5.14423). (IF:2.247 Q2). (Scopus/Web of Science-Indexed)
39. Pedro Ângelo Silva, Reiaz Ul-Rehman, Cláudia Rato, Gian-Pietro Di Sansebastiano and Rui Malhó (2010). Asymmetric localization of Arabidopsis syntaxins at the pollen tube apical and sub-apical zones is important for tip growth (*BMC Plant Biology* 2010, 10:179. <https://doi.org/10.1186/1471-2229-10-179>. (IF: 4.541Q1) ISSN: 1471-2229. (Scopus/Web of Science-Indexed)
40. Reiaz ul Rehman, E.Stigliano, G. Lycett, L. Sticher, S. Franchesca, G. Dalessandro and G.P.Di Sansebastiano (2008). Tomato Rab11a characterization evidenced a difference between SYP121 dependent and SYP122-dependent exocytosis. Plant and Cell Physiology. 49(5):751-766. ISSN: 1471-9053. [doi:10.1093/pcp/pcn051](https://doi.org/10.1093/pcp/pcn051). (IF: 4.927 Q2). (Scopus/Web of Science-Indexed)
41. Gian Pietro Di Sansebastiano, Reiaz Ul Rehman, Jean-Marc Neuhaus. Development of rat  $\beta$ -glucuronidase as a reporter protein for the analysis of the plant secretory pathway. *Plant Biosystems* 2007;141(3):329-336. [doi: 10.1080/11263500701627513](https://doi.org/10.1080/11263500701627513). (IF:2.838 Q2). (Scopus/Web of Science-Indexed)
42. Gopal P., Rehman R. U, Chadha K. S, Colella R (2006). Attachment to Matrigel results in a redistribution of cathepsinB in prostate cancer PC3 cells. Oncology Reports. 16(2):313-321. [doi:10.3892/or.16.2.313](https://doi.org/10.3892/or.16.2.313). ISSN: 1791-2431. (IF: 3.906 Q2). (Scopus/Web of Science-Indexed)
43. Reiaz ul Rehman, M.Israr, K.C.Bansal, P.S.Srivastava, M.Z.Abdin (2003). In vitro regeneration of witloof chicory (*Cichorium intybus* L.) from the leaf explants and accumulation of esculin. In Vitro Cell. Dev. Biol.-Plant 39: 142- 146). <https://doi.org/10.1079/IVP2002381>. (IF:2.252 Q2). (Scopus/Web of Science-Indexed)
44. Malik Zianul Abdin, Mohammad Israr, Reiaz ul Rehman, S.K.Jain (2003). Artemisinin a novel antimalarial drug: Biochemical and molecular approaches for enhancing production. *Planta Medica* 69(4):289-299. [doi: 10.1055/s-2003-38871](https://doi.org/10.1055/s-2003-38871). ISSN: 1439-0221 (IF 3.352 Q1). (Scopus/Web of Science-Indexed)
45. Malik Zianul Abdin, Reiaz ul Rehman, Mohammad Israr, P.S.Srivastava, K.C.Bansal (2002). Abiotic stress related genes and their role in conferring resistance in plants. Ind.J.Biotech. 1: 225-244). (IF:0.414 Q4) ISSN: 0975-0967. (Scopus/Web of Science-Indexed)

46. Refit Rehman, **Reiaz ul Rehman**, Nazir Ahmad Munshi, M.Y.Ghani, M.P.Sharma (2004). Physico-chemical changes by cadmium in *Brassica juncea* L.cv.Pusa Jai Kisan. (*SQUAST J.Res.2004 6:13-19*). ISSN:2349-297X NAAS Rating (3.81).
47. **Reiaz ul Rehman**, Inayat Saleem Fazli, P.S.Srivastava, Malik Zianul Abdin (2000). Plant Regeneration from the leaf explants of chicory (*Cichorium intybus* L.). (*J.Med.Arom.Plant Sci.:22/4A,23/1A:206-211*). (Conference Proceeding)
48. Refit Rehman, **Reiaz Ul Rehman**, M.P. Sharma, Azra N. Kamili. Elemental Analysis of Mushroom Flora from Budgam District of Kashmir, India. *J. Res.Dev.* (2016) (15): 76-80. ISSN 0972- 5407. UGC .

**D. Book Chapters:**

1. Aadil Rasool, Wasifa Hafiz Shah, Naveed Ul Mushtaq, Seerat Saleem, Khalid Rehman Hakeem, **Reiaz ul Rehman** (2022). Salinity-Induced Changes on Different Physiological and Biochemical Features of Plants. In **Tariq Aftab, Khalid Rehman Hakeem (eds)**. Plant Abiotic Stress Physiology: Volume 1: Responses and Adaptations. CRC Press
2. Wasifa Hafiz Shah, Aadil Rasool, Seerat Saleem, Naveed Ul Mushtaq, Inayatullah Tahir and **Reiaz Ul Rehman** (2021). Transcription Factors Involved in Plant Responses to Heavy Metal Stress Adaptation. In Tariq Aftab, Khalid Rehman Hakeem (eds). Heavy Metal Toxicity in Plants: Physiological and Molecular Adaptations. ISBN 9780367725075. CRC Press, Taylor and Francis.
3. **Seerat Saleem, Naveed Ul Mushtaq, Wasifa Hafiz Shah, Aadil Rasool, Reiaz Ul Rehman**. Microbial and Plant assisted Bioremediation of Heavy Metal Polluted Environments. In Tariq Aftab, Khalid Rehman Hakeem (eds). Heavy Metal Toxicity in Plants: Physiological and Molecular Adaptations. ISBN 9780367725075. CRC Press, Taylor and Francis.
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33. M.Z.Abdin, **Reiaz ul Rehman**, Mohammad Israr, P.S.Srivastava and K.C.Bansal (2004).Development of transgenic chicory (*Cichorium intybus* L). *In: In vitro application in crop improvement: Recent Progress: IBH Oxford, India.* Ed A.Mujeeb.

#### E. International / National (Conferences/Symposia/Workshops)

1. **Reiaz Ul Rehman**. Participated in the webinar module on "The Book Publishing Process" Presented by Stacy Masucci. Organized by Department of Bioresources and

ELSEVIER Research Academy Academy ([researchacademy.com](http://researchacademy.com)) on Thursday 25 February 2021.

2. **Reiaz Ul Rehman:** Millets: Farming Potential and utilization for future. NESA Conference on Techno-Scientific challenges and sustainable solutions for living beings during changing environment (TCSE-2021). Organized by National Environmental Science Academy (NESA), New Delhi and ICAR-Indian Agricultural Statistics Research Institute (IASRI). 29-30 January, 2021.
3. **Reiaz Ul Rehman.** Presented “Biodiversity in underutilized crop Plant (Buckwheat) for food, nutrition, medicine and livelihood: National webinar on biodiversity. The basis of our existence and sustenance” Organised by Amar Singh College, Srinagar, 25 May, 2021.
4. **Reiaz Ul Rehman.** Participated in TEQIP-III Sponsored One Week Online Short Term Course on “Recent Advances in Nanoscience and Nanotechnology (STCRANN-2020), 24-28 August 2020.
5. **Reiaz Ul Rehman.** Participated in the webinar module on “Mainstreaming underutilized crops: The story of foxtail millet” organised by Bioingene.com, 6 August 2020
6. **Reiaz Ul Rehman.** Participated in the webinar module on “How to peer review an article” Presented by Matt Pavlovich. Organized by ELSEVIER Research Academy ([researchacademy.com](http://researchacademy.com)) on Thursday 23 April 2020.
7. Reiaz Ul Rehman :participated in the 2 Day Webinar “*Crafting Learner Potential through Career Counselling*” (A PART OF RUSA 2.0 ACTIVITY) for students and faculties of Jammu & Kashmir and Ladakh conducted by Bharathiar University,Coimbatore, Tamil Nadu and Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu under **Ek Bharat Shreshtha Bharat** on 2nd & 3rd July, 2020.
8. **Reiaz Ul Rehman.** Participated in the webinar on “Pandemics and hunger: Mainstreaming millets for addressing food and nutritional security” organized by the Department of Plant Sciences, School of Life Sciences, University of Hyderabad (June 8, 2020).
9. Wasifa Hafiz Shah, Aadil Rasool, Inayatullah Tahir, **Reiaz Ul Rehman.** Biochemical and Physiological role of selenium in salt stressed millets. NUCSFNEE conference, Held at National Institute of Plant Genome Research (NIPGR) New Delhi. August 2, 2019.
10. Aadil Rasool, Wasifa Hafiz Shah, Inayatullah Tahir, **Reiaz Ul Rehman.** Improvement in physio-morphological parameters by selenium application in millets grown under salt stress. NUCSFNEE conference, Held at National Institute of Plant Genome Research (NIPGR) New Delhi. August 2, 2019.

11. **Reiaz Ul Rehman.** Buckwheat: An Underutilized future crop. National Seminar on Biotechnology Research in India-Current Status and Future Prospects. Organized by Department of Biotechnology, Jamia Hamdard, New Delhi. March 26<sup>th</sup> and 27<sup>th</sup> 2019.pp51.
12. Aadil Rasool, Wasifa Shah, Inayatullah Tahir, **Reiaz Ul Rehman.** Nutritional qualities and potential health benefits of millets. National conference and workshop on. "Advances in Biopolymers" 30-31 October 2018.pp 57-63.
13. Bisma Malik, **Reiaz Ul Rehman.** Chicory inulin: A versatile biopolymer with multiple nutritional and pharmaceutical importances. National conference and workshop on. "Advances in Biopolymers" 30-31 October 2018.
14. **Reiaz ul Rehman** Domestication of underutilized crops Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
15. Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, **Reiaz ul Rehman.** Dynamic changes of growth parameters and antioxidant enzyme responses of chicory plants (*Cichorium intybus L*) grown in mercury induced stress. Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
16. Adil Rasool, InayatUllah Tahir, **Reiaz ul Rehman.** Role of exogenous selenium on the growth of proso millet under salinity stress Poster presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
17. Wasifa Shah, Inayatullah Tahir, **Reiaz ul Rehman.** Reversal of membrane damage by the application of exogenous selenium in *Setaria itala* Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
18. Fayeem Adil, **Reiaz Ul Rehman.** Influence of altitude on the morphological and biochemical parameters of *Viola* species Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
19. Fayaz Ahmad Dar, Inayatullah Tahir, **Reiaz Ul Rehman.** Silicon mediated alleviation of Aluminum toxicity in *Fagopyrum esculentum* and its effects on phenolic enzymes Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
20. Sajad Ahmad Padder, **Reiaz ul Rehman**, Inayatullah Tahir, Abdul Haseeb Shah. Screening and identification of drug resistant isolates of pathogenic candida Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
21. Asiya Ramzan Bhat, Sajad Ahmad Padder, **Reiaz ul Rehman**, Inayat Ullah Tahir, Abdul Haseeb Shah. Screening of β- nitrostyrene derivatives as novel possible antifungal agents. Oral presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.

22. Syed Hafsa Qadri, Asiya Ramzan Bhat, **Reiaz ul Rehman**, Inayat Ullah Tahir, Abdul Haseeb Shah. Effect of some novel PIP3- Azole derivatives on the growth of drug resistant clinical isolates of Human Pathogenic Fungi. Poster presentation in 13<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 3rd -5th April 2018.
23. **Reiaz Ul Rehman:** Buckwheat an underutilized future crop. One day national seminar 2017 on Biodiversity and Climate change: Challenges and Prospects (26<sup>th</sup> October 2017). Govt SAM degree college Budgam (J&K).
24. Tanveer Bilal, Bisma Malik, Inayatullah Tahir, **Reiaz Ul Rehman**. Lead induced phytotoxicity and oxidative stress in buckwheat (*Fagopyrum kashmirianum*) plants. National Conference on Biotechnology and Environment, organized by Department of Biotechnology, Jamia Millia Islamia, New-Delhi and National Environmental Science Academy (NESA), New-Delhi on 10-11th April 2017.
25. Fayaz Ahmad Dar, Tanveer Bilal Pirzadah, Inayatullah Tahir, **Reiaz Ul Rehman** (2017) Aluminium toxicity induces lipid peroxidation and alters the activities of antioxidant enzymes in *Fagopyrum kashmirianum*. National Conference on Biotechnology and Environment, organized by Department of Biotechnology, Jamia Millia Islamia, New-Delhi and National Environmental Science Academy (NESA), New-Delhi on 10-11th April 2017.
26. Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, **Reiaz Ul Rehman**. Phytochemical screening and GC-MS Profiling of Chicory (*Cichorium intybus L.*). **2ND International Symposium** on New processes and Applications for Plant and Microbial Products. India Habitat Center, **New Delhi, India** 1st & 2nd March, 2016, ISBN: 978-81-7993-589-7.
27. Tanveer Bilal, Bisma Malik, Inayatullah Tahir, **Reiaz Ul Rehman**. Chemo-Profiling and Nutritional Analysis of Buckwheat (*Fagopyrum tataricum Gaertn*) from Kashmir Himalaya. **2ND International Symposium** on New processes and Applications for Plant and Microbial Products. India Habitat Center, **New Delhi, India** 1st & 2nd March, 2016, ISBN: 978-81-7993-589-7.
28. Tanveer Bilal Pirzadah, Bisma Malik, **Reiaz ul Rehman**, Manoj Kumar. **Cellulosic Bioethanol-as future fuel**. Poster presentation on "**International Day for Biological diversity**" Organized by Department of Botany, University of Kashmir, 22<sup>nd</sup> May, 2013.
29. Bisma Malik, Tanveer Bilal Pirzadah, **Reiaz ul Rehman**. *Cichorium intybus L.* (*Chicory*): *A potential perennial Bioresource*. Poster presentation on "**International Day for Biological diversity**" Organized by Department of Botany, University of Kashmir, 22<sup>nd</sup> May, 2013.
30. "ENPER XVI (European Endomembrane Meeting)". Organized by **University of Salento, Lecce, Italy, from 08-09-2014 to 11-09-2014**.

31. Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir, **Reiaz ul Rehman**. 2013. "Buckwheat: An introspective and future perspective with reference to Kashmir Himalayas". 12<sup>th</sup> International symposium on Buckwheat". 21-25 Aug. Slovenia 2013.
32. Tanveer Bilal Pirzadah, Bisma Malik, **Reiaz ul Rehman**. Mangrove characteristics in *Fagopyrum esculentum* a member of Polygonaceae family. Poster presentation on National conference on "Status and conservation of biodiversity in India with special reference to Himalaya" organized by Centre of Research for Development (CORD) & P.G. Department Of Environmental Science, University of Kashmir, 4-5 Oct. 2013.
33. Bisma Malik, Tanveer Bilal Pirzadah, Inayatullah Tahir, **Reiaz ul Rehman**. *Cichorium intybus* L. (Chicory): An untapped Bioresource with reference to Jammu and Kashmir. Poster presentation on National conference on "Status and conservation of biodiversity in India with special reference to Himalaya" organized by Centre of Research for Development (CORD) & P.G. Department Of Environmental Science, University of Kashmir, 4-5 Oct. 2013.
34. Tanveer Bilal Pirzadah, Bisma Malik, Manoj Kumar, **Reiaz ul Rehman**. *Trichoderma* species for production of cellulases for the biofuel industry. Oral presentation on Regional Science Congress & 9<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 1<sup>st</sup>-3<sup>rd</sup> Oct. 2013.
35. **Reiaz Ul Rehman\***, Tanveer Bilal Pirzadah, Bisma Malik, Inayatullah Tahir. Buckwheat: A case study in Gurez Valley. Oral presentation on Regional Science Congress & 9<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 1<sup>st</sup> -3<sup>rd</sup> Oct. 2013.
36. Bisma Malik, **Tanveer Bilal Pirzadah**, Inayatullah Tahir, Reiaz Ul Rehman\*. **Biotechnological approaches for the improvement of chicory (*Cichorium intybus* L.)**. Oral presentation on Regional Science Congress & 9<sup>Th</sup> JK Science Congress" organized by University of Kashmir, 1<sup>st</sup> -3<sup>rd</sup> Oct. 2013.
37. Tanveer Bilal. International conference on Building Learning in Sustainability Science (BLISS-2014) organized by Teri University, New Delhi India, 10-14 March 2014.
38. Tanveer Bilal Pirzadah. Three day Science Academies Lecture Workshop on "Himalayan Biodiversity and Bioresources: Mapping, Utilization and conservation" organized by Department of Botany, University of Kashmir, Srinagar from May 8-10. Jointly sponsored by Indian Academy of Sciences (Bangalore), Indian National Science Academy (New Delhi) and National Academy of Sciences (Allahabad).
39. Tanveer Bilal Pirzadah, Bisma Malik, Manoj Kumar, Inayatullah Tahir, **Reiaz Ul Rehman**. METAGENOMICS: WINDOW TO THE MICROBIAL WORLD. Poster presentation on National symposium on Biodiversity, Biology and Bioprospecting organized by the Department of Botany University of Kashmir on 1-2 April, 2015.

40. Bisma Malik, Tanveer Bilal Pirzadah, Manoj Kumar, Inayatullah Tahir, **Reiaz ul Rehman.** Phenomics science: An inter-disciplinary approach for crop improvement. Poster presentation on National symposium on Biodiversity, Biology and Bioprospecting organized by the Department of Botany University of Kashmir on 1-2 April, 2015.
41. **Reiaz ul Rehman** Protoplast secretome as a method to study regulatory elements of exocytosis. **International Conference** on “Environment and Human Health” organised by National Environmental Science Academy and Department of Botany, Jamia Hamdard. November 28-29<sup>th</sup>, 2012 New Delhi, India.
42. **Reiaz ul Rehman** Understanding SNAREs assisted exocytosis in plant cells. National Seminar on “**Advances in Biological Sciences (ABS)**”. 12<sup>th</sup> June 2012. Amar Singh College Srinagar India.
43. **Reiaz ul Rehman.** Osmotin overexpression induces salt tolerance and increase in esculin content in callus cultures in Chicory (*Cichorium intybus* L.). 8<sup>th</sup> JK Science Congress 2012 on “**Science Technology and Regional Development: Opportunities and Challenges**”. University of Kashmir. 17<sup>th</sup>-19<sup>th</sup> September 2012.
44. National seminar on “**Catalyzing the growth of Aromatic Industry in J &K**”. 2<sup>nd</sup>-3<sup>rd</sup> July 2012 organized by Indian Institute of Integrative Medicine, Srinagar, India.
45. **Reiaz Ul-Rehman**, Claudia Rato, Meral Tunc-Ozdemir, Rui Malho and Jeffrey F. Harper. Cyclic nucleotide -gated channels CNGC7 and CNGC8 are required for pollen tube growth and fertilization. XXI International Congress On Sexual Plant Reproduction, 2-6 August, **Bristol, United Kingdom, 2010.**
46. Pedro Ângelo Silva, **Reiaz Ul-Rehman**, Cláudia Rato, Gian-Pietro Di Sansebastiano and Rui Malhó, Asymmetric localization of Syntaxins regulates exocytic domains at the pollen tube apical zone. XXI International Congress On Sexual Plant Reproduction, 2-6 August, **Bristol, United Kingdom, 2010.**
47. Gian Pietro Di Sansebastiano, **Reiaz Ul Rehman**, Sara Rinalducci, Lello Zolla, Giuseppe Dalessandro. A comparative study of SYP121 and SYP122 role in cell wall deposition through a combined microscopic and proteomic approach. XIth Cell Wall Meeting, 12-17 August, **Copenhagen, Denmark, 2007. Physiologia Plantarum, Vol: 130(4).**
48. **R.U.Rehman**, E.Stigliano, G. Lycett, L. Sticher, G. Dalessandro and G.P.Di Sansebastiano. Membrane traffic regulation by Rab11 in the organization of Cell wall. 9th European plant endomembrane Meeting. **Marienburg, Germany,18-22 September2006.**
49. **R.U.Rehman**, E.Stigliano, G. Lycett, L. Sticher, G. Dalessandro and G.P.Di Sansebastiano. Exocytosis: the role of Rab11-XV congress of the Federation of European Societies of Plant Biology, **Lyon, France. July2006.**

50. G-P. Di Sansebastiano, **R. U. Rehman**, E. Stigliano, G. Dalessandro. Caratterizzazione in vivo del ruolo di Rab11 nel processo di esocitosi. Riunione Annuale dei Gruppi di lavoro: Biologia Cellulare e Molecolare e Biotecnologie e Differenziamento. **Alessandria, Italy 26-28 Giugno 2006.**
51. I.S. Fazli, **R.U. Rehman**, A. Jamal, **S. Ahmad**, R.K. Dwiwedi and M.Z. Abdin. Sulphur and nitrogen act synergistically in enhance the seed and oil yield in rapeseed-mustard (*Brassica campestris* L. and *Brassica juncea* L. Czern and Coss). 2nd International Congress of Plant Physiology held on 8-12, **January 2003, New Delhi, India.**
52. A. Jamal, S. Ahmad, I. S. Fazli, **R.U. Rehman**, S. Kumari and M.Z. Abdin. Nitrogen and sulphur nutrition enhances seed and oil yield of groundnut (*Arachis hypogea* L.). 2nd International Congress of Plant Physiology held on 8-12, **January 2003, New Delhi, India.**
53. A. Jamal, S. Ahmad, I.S. Fazli, **R. U. Rehman**, S. Kumari and M. Z. Abdin. Sulfur and nitrogen interaction in relation to seed yield and oil yield of groundnut (*Arachis hypogea* L.). National Seminar on recent Research Trends in Life Sciences. University of Kashmir, **Srinagar-190 006, India, (Sep 2002).**
54. **R.U.Rehman**, M.Israr, S.Ahmad, I.S.Fazli, A.Jamal, P.S.Srivastava and M.Z.Abdin. Regeneration and esculin accumulation in chicory. National Seminar on recent Research Trends in Life Sciences. University of Kashmir, **Srinagar-190006,India:2002.**
55. M.Z.Abdin, M.Israr, **R.U.Rehman** and S.K.Jain. Artemisinin, a novel antimalarial drug: in vivo and in vitro approaches for enhanced production. National Seminar on recent Research Trends in Life Sciences University of Kashmir, **Srinagar-190006,India.2002.**
56. M. Israr, **R.U.Rehman**, S.K.Jain, P.S.Srivastava and M.Z.Abdin. Microsomal 3-Methylglutaryl Coenzyme A Reductase from *Artemisia annua* L. Conference on Biotechnology-The science and the Business. Indian Institute of Technology, **New Delhi-110016, India, 2001.**
57. **R.U.Rehman**, S.Aquil, M.Z.Abdin and P.S.Srivastava. In vitro regeneration of adventitious shoots in *Phyllanthus amarus* L. Conference on Biotechnology-The science and the Business. Indian Institute of Technology, **New Delhi-110016, India 2001.**
58. M.Z.Abdin, **R.U.Rehman**, M.Israr, P.S.Srivastava and K.C.Bansal. Development of transgenic chicory (*Cichorium intybus* L.) using osmotin gene for drought and salt tolerance. Conference on Biotechnology-The science and the Bussiness. Indian Institute of Technology, **NewDelhi-110016,India2001.**
59. **R.U.Rehman**, M.Israr, S.A.Khan, S.K.Jain, P.S.Srivastava and M.Z.Abdin. *Agrobacterium tumifaciens* mediated transformation of *Phyllanthus amarus* L.

National symposium on Plant Biotechnology and Molecular Biology. University of Delhi-South Campus, **New Delhi 110021, India:2001**

60. M.Z.Abdin, **R.U.Rehman**, M.Israr, K.C.Bansal and P.S.Srivastava. Somatic embryogenesis in chicory (*Cichorium intybus L.*). National symposium on Plant Biotechnology and Molecular Biology. University of Delhi-South Campus, **New Delhi-110021, India:2001**
61. **R.U.Rehman**, A.Iqbal, A.Ahmad, M.Iqbal and M.Z.Abdin. Effect of sulfur pollutant on physiochemical attributes of Rapeseed (*Brassica campestris L.*). National symposium on toxicology and environmental health. Theme: Safe and Healthy environment. Hamdard University, **New Delhi 110 062, India.1998.**

F. **Teaching Experience**

Courses Teaching at the MSc Level: Secondary Metabolism; Plant Biotechnology; Bioinformatics; Bioenergy and Biofuels; Microbial Technology; Cellular and Molecular Biology; Human Health and Plant Diet; Organic Farming.

G. **Research Experience**

**(PhD Awarded)**

1. **Ms Bisma Malik (Supervisor: Reg. No. 45466-W-2005): Awarded(25<sup>th</sup> August 2017). Thesis title:** “Studies on antioxidant potential and abiotic stress tolerance of *Cichorium intybus L.* (chicory) grown in Kashmir”.
2. **Mr Tanveer Bilal Peerzada (Supervisor: Reg. No. 17007-SJ-2005): Awarded (17<sup>th</sup> May 2017). Thesis title:** “Biochemical basis of stress tolerance in *Fagopyrum* species grown in Kashmir”.
3. **Mr Fayaz Ahmad Dar (Supervisor: Reg. No. 37770-S-2003): Awarded (21<sup>st</sup> January 2021): Thesis Title:** “Variability and Biochemical Analysis of Selected *Fagopyrum* spp. From Kashmir Himalaya”.

**(PhD Registered)**

4. **Mr. Sajad Ahmad Padder (Supervisor: Reg. No. 46462-ANG-2005): Thesis Title:** “Factors contributing to development of drug resistance in clinical isolates of pothogenic fungi”.
5. **Ms. Asiya Ramzan (Supervisor: Reg. No. 17940-NW-2006): Thesis Title:** “Mechanistic study of contribution of various proteins in fungal drug resistance”.

6. **Adil Rasool (Supervisor: Reg. No. 21145-PC-2010): Thesis Title:** "Biochemical basis of stress alleviation in proso millet (*Panicum miliaceum* L.) grown in Kashmir Himalaya".
7. **Ms Wasifa (Supervisor: Reg. No. 57728-W-2010): Thesis Title:** "Evaluation of stress alleviation in foxtail millet (*Setaria italica* L.) grown in Kashmir Himalaya and Ladakh".
8. **Ms Mehak Majeed (Supervisor: Reg. No. 55313-W-2009): Thesis Title:** "Studies on phytochemical, antimicrobial and anticancer activities of *Viscum album* L. from different host plants".
9. **Ms Seerat Saleem (Supervisor: Reg. No. 65057-W-2013): Thesis Title:** "Profiling of essential adaptive elements under salt stress in foxtail millet".
10. **Mr Naveed Ul Mushtaq (Supervisor: Reg. No. 21095-PC-2010): Thesis Title:** "Salt stress mitigation and elucidation of tolerance in proso millet".

G. **M.Phil (Awarded)**

1. **Mr. Sajad Ahmad Padder (Supervisor): Thesis Title:** "Biochemical evaluation of salt stress in *Setaria italica* L".
2. **Ms. Asiya Ramzan (Supervisor): Thesis Title:** Antioxidant potential of *Amaranthus caudatus* L.

H. **Fellows**

1. **Ms Bisma Malik (Mentor: Dr Reiaz Ul Rehman):** Women Scientist Scheme (Wos-A: File No: SR/WOS-A/LS-1278/2015): Topic: Cultivation, genetic diversity and active principal segregation of different accessions of *C.intybus* L (Chicory) growing in Kashmir Himalayas and Ladakh. Grant Amount: 20.4 Lakhs.
2. **Ms Arifa (Mentor: Dr Reiaz Ul Rehman):** DST-NPDF Fellowship. Topic: Self incompatibility studies in some local and exotic almond varieties. (SERB/F/361/2017-18, dated 4<sup>th</sup> May, 2017). Grant Amount: 19.20 Lakh.
3. **Mr Sajad Ahmad Padder (Mentor: Dr Reiaz Ul Rehman):** ICMR Fellowship. Topic: Drug resistance profiling and molecular mechanism of drug resistance in clinical isolates of pathogenic fungi. Indian Council of Medical Research (ICMR:AMR/1/2020/ECD-II. Dated: 18-02-2021). Grant Amount: 15 Lakh

**I. Institutional Activities**

1. Member departmental Research committee
2. Member departmental board of research studies
3. Examination panel of the department
4. Departmental Admission committee
5. Departmental purchase committee
6. University accreditation committee for equipments

**J. Reviewer**

Active reviewer of many journals

**K. Orientation/Refresher Courses**

1. OP-123 AMU ASC (22 Feb-21 March 2013).
2. 4<sup>th</sup> 3-week Special Winter School Jamia Millia Islamia, New Delhi.
3. Refresher Course in Biosciences, University of Kashmir (15-05-2017-03-06-2017)
4. TEQIP-III Sponsored One Week Online **Short Term Course** on “Recent Advances in Nanoscience and Nanotechnology (STCRANN-2020), 24-28 August 2020.
5. ONE WEEK SHORT TERM PROGRAMME ON “*Leadership Development in Academics*” organized by Human Resource Development Centre , University of Hyderabad during 3rd to 8th August, 2020.
6. ONE WEEK SHORT TERM PROGRAMME ON “*Leadership Development*” organized by Human Resource Development Centre , Osmania University , Hyderabad during 28August to 05th October, 2020.

**L. Other Information**

1. [https://www.researchgate.net/profile/Reiaz\\_Rehman](https://www.researchgate.net/profile/Reiaz_Rehman)
2. <https://scholar.google.co.in/citations?user=zIZJY7UAAAAJ&hl=en>
3. <https://orcid.org/0000-0002-7685-346X>
4. <https://vidwan.inflibnet.ac.in/profile/171364>

**Research Team**

