

Curriculum Vitae (CV) of Dr. Aijaz Hassan Ganie

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| 1. Name: | Aijaz Hassan Ganie |
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| 4. Department: | Department of Botany, University of
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Plants, Cytogenetics, Aquatic Plant
Ecology, Ethnobotany |

Research Projects on going/completed

- 1) *Reproductive biology and conservation of Aconitum violaceum Jacquem. ex Stapf in Kashmir Himalaya*, Start-up grant. Sponsored by UGC under the MHRD/UGC - Empowered Committee's Basic Science Research (BSR) Programme (2017)– **Principal Investigator**
- 2) *Protein and gene expressions of IL1 β , NF κ B1, NF κ B2, PPAR γ , NOS2, COX2, TNF α in LPS induced inflammatory response in rats and effect of Cousinia thomsonia*. Sponsored by Department of Science and Technology India, Govt. of India (2017) – **Co-Principal Investigator**
- 3) *Invasive Alien Plants in Himalayas: Status, Ecological impact and Management* funded by the Ministry of Environment, Forests and Climate change under its NMHS programme (2018)- **Co-Principal Investigator**
- 4) *Ecology, monitoring, recovery and bioprospection of some threatened plant species of Jammu, Kashmir and Ladakh in relation to regional socio-economic development*. Sponsored by the Ministry of Environment, Forests and Climate change, Govt. of India (2018) - **Co-Principal Investigator**

- 5) *Oxidative stress and diabetes, a correlated study by using active extracts of Inula obtusifolia*. Sponsored by JK Science Technology & Innovation Council, Department of Science and Technology (2021)- **Co-Principal Investigator**

List of publications

a. Papers in science citation index journals

1. Shazada Arshad, Aijaz A. Wani, **Aijaz Hassan Ganie** and Anzar A. Khuroo. 2011. On correct identification, range expansion and management implication of *Myriophyllum aquaticum* in Kashmir Himalaya. India. Checklist. 7(3): 299-302. **(Impact factor: 0.46)**
2. Bhuran Ahad, Zafar A. Reshi, **Aijaz Hassan Ganie** and A. R. Yousuf. 2012. *Azolla cristata* in Kashmir Himalaya. American Fern Journal. 102(3):224-227. **(Impact factor: 0.85)**
3. Syed Mubashir Andrabi, Waheeda Rehman, Zafar A Reshi, A.R. Naqshi and **Aijaz Hassan Ganie**. 2012. *Sanguisorba minor* Scop.(Rosaceae), A new addition to Indian flora. Taiwan. 57(4): 410-412. **(Impact factor: 0.9)**
4. **Aijaz Hassan Ganie**, Zafar A. Reshi, B. A. Wafai and Sara Puijalon. 2014. Phenotypic plasticity: Cause of the successful spread of the genus *Potamogeton* in the Kashmir Himalaya. Aquatic Botany. 120: 283–289. **(Impact factor: 2.47).**
5. **Aijaz Hassan Ganie**, Bilal A Tali, Anzar A Khuroo, Irshad A Nawchoo and Aabid M. Rather. 2014. *Rheum spiciforme* Royle (Polygonaceae): a new plant species record to the flora of Kashmir valley, India. National Academy Science Letters. 37(6):561–565. **(Impact factor: 0.79).**
6. Abid M. Rather, Irshad A. Nawchoo, **Aijaz Hassan Ganie** and Aijaz A. Wani. 2014. Inflorescence architecture and staminal movement as contrivance measures in reproductive assurance and survival of *Valeriana jatamansi* Jones (= *Valeriana wallichii* DC). Current Science. 107 (4): 558-560. **(Impact factor: 1.10)**
7. Bilal A Tali, **Aijaz Hassan Ganie**, Irshad A Nawchoo, Aijaz A Wani and Zafar A Reshi. 2015. Assessment of Threat status of selected endemic medicinal plants using IUCN

regional guidelines: A case study from Kashmir Himalaya. *Journal for Nature Conservation* 23: 80-89. **(Impact factor: 2.83).**

8. **Aijaz Hassan Ganie**, A. R. Dar, Mahboob Ashraf and Zafar A. Reshi. 2015. *Typha orientalis* Presl (Typhaceae): a new species record for India, *Checklist*. 11(2) 1567. **(Impact factor: 0.46)**
9. **Aijaz Hassan Ganie**, Bilal A Tali, Irshad A Nawchoo and Zafar A Reshi. 2015. A mechanism of self-pollination in *Ajuga bracteosa* Wallich ex Benth. *Current Science*. 108 (10): 1793-1795. **(Impact factor: 1.10)**
10. Akhtar H. Malik, Irfan Rashid, **Aijaz Hassan Ganie**, Anzar A. Khuroo and G.H. Dar. 2015. Benefitting from Geoinformatics: Estimating floristic diversity of Warwan Valley in Northwestern Himalaya, India. *Journal of Mountain Science*. 12(4): 854-863. **(Impact factor: 2.07).**
11. **Aijaz Hassan Ganie**, Bilal A Tali, Anzar A Khuroo, Zafar A. Reshi and Donald H. Les. 2015. *Ceratophyllum platyacanthum* subsp. *oryzetorum* (Kom.) Les (Ceratophyllaceae): an addition to the flora of India from Kashmir Himalaya. *Checklist*: 11 (3) 1661. **(Impact factor: 0.46).**
12. **Aijaz Hassan Ganie**, Bilal A Tali, Anzar A Khuroo and Irshad A Nawchoo. 2015. A Taxonomic Note on the Misidentification of *Anemone tschernjaewii* Regel. in Kashmir Himalaya. *Taiwania*: 60(1): 54–58. **Impact factor: 0.77)**
13. **Aijaz Hassan Ganie**, Zafar A. Reshi, B. A. Wafai and Sara Puijalon. 2016. Clonal growth architecture and spatial dynamics of 10 species of the genus *Potamogeton* across different habitats in Kashmir Valley, India. *Hydrobiologia*. 767:289–299. **(Impact factor: 2.69)**
14. **Aijaz Hassan Ganie**, Zafar A. Reshi and B. A. Wafai. 2016. Reproductive ecology of *Potamogeton pectinatus* L. (= *Stuckenia pectinata* (L.) Börner) in relation to its spread and abundance in freshwater ecosystems of the Kashmir Valley, India. *Tropical Ecology*. 57 (4): 787- 803 **(Impact factor: 1.48).**
15. Gowhar A. Shapoo, Zahoor A. Kaloo, **Aijaz Hassan Ganie**, Anzar A. Khuroo and Seema Singh. 2016. *Dactylorhiza umbrosa* (Kar. & Kir.) Nevski (Orchidaceae): an addition to flora of India from Kashmir Himalaya. *Checklist*. 12 (3) 1904. **Impact factor: 0.46).**

16. Shugufta Rasheed, Anzar A. Khuroo, Maroof Hamid, **Aijaz Hassan Ganie**, Akhtar H. Malik and G. H. Dar. 2016. *Phalaris canariensis* L. (Poaceae): A new alien plant record for Kashmir Himalaya. Journal of Asia-Pacific Biodiversity. 9: 94-96 (**Impact factor: 0.32**).
17. Chesfeeda Akhter, A.A. Khuroo, S. Rasheed, Zafar.A. Reshi, G.H. Dar and **Aijaz Hasaan Ganie**. 2016. *Alopecurus pratensis* (Poaceae), a new record for the Indian subcontinent from Kashmir Himalaya. Rheede. 26(1): 52-53. (**Impact factor: 0.27**).
18. **Aijaz Hassan Ganie**, Bilal Ahmad Tali, Zafar A. Reshi and Irshad A Nawchoo. 2017. Stigmatic Movement Promotes Cross Pollination in *Rheum webbianum* Royle: An Important Endemic Medicinal Plant of Kashmir Himalaya. India. National Academy Science Letters. 40 (6): 435-438. (**Impact factor: 0.79**).
19. **Aijaz Hassan Ganie**, Zafar A Reshi, B. A Wafai, Anzar A. Khuroo. 2017. Fruit morphology of the genus *Potamogeton* L. in Kashmir Himalaya and its utility in taxonomic delimitation. Journal of Asia-Pacific Biodiversity. 10: 274-278. (**Impact factor: 0.32**).
20. Ubaid Yaqoob, Irshad A Nawchoo and **Aijaz Hassan Ganie**. 2018. Occurrence of the Two Cytotypes of *Ferula jaeschkeana* Vatke in Kashmir Himalaya. National Academy Science Letters. 41 (5): 333-336 (**Impact factor: 0.79**).
21. **Aijaz Hassan Ganie**, Nazima Rasool and Zafar A Reshi. 2018. *Verbascum songaricum* (Scrophulariaceae): An addition to the flora of India. Rheede. 28 (2): 111-113. (**Impact factor: 0.27**).
22. Shugufta Rasheed, Anzar A. Khuroo, **Aijaz Hassan Ganie**, Gousia Mehraj, T. H. Dar and G. H. Dar. 2018. Correct taxonomic delimitation of *Nasturtium microphyllum* Rchb. from *N. officinale* R. Br. (Brassicaceae) in Kashmir Himalaya, India. Journal of Asia-Pacific Biodiversity. 11: 154-157. (**Impact factor: 0.32**).
23. Bilal A Tali, Anzar A Khuroo, Irshad A Nawchoo and **Aijaz Hassan Ganie**. 2019. Prioritizing Conservation of Medicinal Flora in the Himalayan Biodiversity Hotspot: An Integrated Ecological and Socioeconomic Approach. Environmental Conservation, 46(2): 147-154. doi: [10.1017/S0376892918000425](https://doi.org/10.1017/S0376892918000425) (**Impact factor: 3.01**).
24. **Aijaz Hassan Ganie**, Bilal A Tali, Gowhar A Shapoo, Irshad A Nawchoo and Anzar A Khuroo. 2019. Ethno-survey of Traditional Use of Plants as Aphrodisiacs in Kashmir

- Himalaya, India. Journal of Herbal Medicine. 17–18 (2019) 100256 <https://doi.org/10.1016/j.hermed.2019.100256> (Impact factor: 3.03)
25. Bilal A Tali, Anzar A Khuroo, **Aijaz Hassan Ganie** and Irshad A Nawchoo. 2019. Diversity, distribution and traditional uses of medicinal plants in Jammu and Kashmir (J&K) state of Indian Himalayas. Journal of Herbal Medicine. 17–18, September–December 2019, 100280. <https://doi.org/10.1016/j.hermed.2019.100280>. (Impact factor: 3.03).
 26. **Aijaz Hassan Ganie**, Bilal A Tali, Anzar A Khuroo, Zafar A Reshi and Irshad A Nawchoo. 2019. Impact assessment of anthropogenic threats to high-valued medicinal plants of Kashmir Himalaya, India. Journal of Nature Conservation. 50 (2019) 125715. <https://doi.org/10.1016/j.jnc.2019.125715> (Impact factor: 2.83).
 27. **Aijaz Hassan Ganie**, Zafar A Reshi and B. A. Wafai. 2020. Chromosome conspectus of Kashmir Himalayan species of the genus *Potamogeton* L. Tropical Ecology. 61: 345-359. <https://doi.org/10.1007/s42965-020-00094-6> (Impact factor: 1.48).
 28. Khalid Bashir Dar, Ishfaq Shafi Khan, Shajrul Amin, **Aijaz Hassan Ganie**, Aashiq Hussain Bhat, Showkat Ahmad Dar, Bilal Ahmad Reshi, Showkat Ahmad Ganie. 2020. Active *Cousinia thomsonii* Extracts Modulate Expression of Crucial Proinflammatory Mediators/ Cytokines and NFκB Cascade in Lipopolysaccharide-Induced Albino Wistar Rat Model. Journal of Inflammation Research. <https://www.dovepress.com/> by 169.149.21.113 on 03-Nov-2020. (Impact factor: 6.92).
 29. Tariq Ahmad Butt, **Aijaz Hassan Ganie**, Anzar A Khuroo, Rameez Ahmad, Nazima Rasool, Syed Basharat. 2021. New distributional record of *Primula atrodentata* W. W. Sm. from Ladakh region and assessment of its threat status across the Himalaya. Acta Ecologia Sinica. 41: 183-188. <https://doi.org/10.1016/j.chnaes.2020.08.002> (Impact factor: 0.93).
 30. Muatasim Jan, Tawseef Ahmad Mir, **Aijaz Hassan Ganie** and Rakesh Kumar Khare. 2021. Ethnomedicinal use of some plant species by Gujjar and Bakerwal community in Gulmarg Mountainous Region of Kashmir Himalaya. Ethnobotany Research and Application. <http://dx.doi.org/10.32859/era.21.38.1-23> (Impact factor: 1.03)
 31. Kausar Rashid, Sufiya Rashid, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2021. Meiotic Studies, Pollen Fertility and Seed Set of *Trillium govanianum*, an

Endangered Endemic Plant Species of the Himalaya. Cytologia. 86(3): 245–249 (**Impact factor: 0.99**).

32. Mahboob Ashraf, **Aijaz Hassan Ganie**, A. R. Dar, and K. K Soni. 2021. Aquatic fungal diversity in two freshwater ecosystems of Madhya Pradesh, India. Studies in Fungi 6(1): 116–137. (**Impact factor: 0.79**)
33. Mohd Afsahul Kalam, Akhtar H. Malik, **Aijaz Hassan Ganie**, Tariq Ahmad Butt. 2021. Medicinal importance of Papra (*Podophyllum hexandrum* Royle) in Unani System of Medicine. Journal of Complementary and Integrative Medicine. <https://doi.org/10.1515/jcim-2020-0178>. (**Impact factor: 0.33**).
34. Irfan Iqbal Sofi, Shavali Verma, Bipin Charles, **Aijaz Hassan Ganie**, Namrata Sharma, Manzoor A Shah. 2021. Predicting distribution and range dynamics of *Trillium govanianum* under climate change and growing human footprint for targeted conservation. Plant Ecology. [10.1007/s11258-021-01189-3](https://doi.org/10.1007/s11258-021-01189-3) (**Impact factor: 1.99**)
35. **Aijaz Hassan Ganie**, Bilal A Tali, Zafar A Reshi and Irshad A Nawchoo. 2021. Inflorescence architecture, floral part movements and pollinator attraction by androecia – contrivance for successful mating in *Eremurus himalaicus* Baker. Botanica Pacifica. A journal of plant science and conservation. DOI: 10.17581/bp.2021.10206 (**Impact factor: 0.58**)
36. Irfan Iqbal Sofi, Shavali Verma, **Aijaz Hassan Ganie**, Namrata Sharma, Manzoor A Shah. 2022. Threat status of three important medicinal Himalayan plant species and conservation implications. Nature Conservation Research. 7(1). <https://dx.doi.org/10.24189/ncr.2022.006> (**Impact factor: 1.19**)
37. Bilal A. Wani, Tajamul Islam, Anzar Ahmad Khuroo, **Aijaz Hassan Ganie** & Irshad A. Nawchoo. 2022. Swertia kashmirensis, a new species from Bangus Valley of Kashmir Himalaya, India. Phytotaxa 532 (1): 093–100. <https://doi.org/10.11646/phytotaxa.532.1.8> (**Impact factor: 1.18**)
38. Irfan Iqbal, Shabir A Zargar , **Aijaz Hassan Ganie**, Manzoor A Shah. 2022. Distribution dynamics of *Arnebia euchroma* (Royle) I.M. Johnst. and associated plant communities in Trans-Himalayan Ladakh region in relation to local livelihoods under climate change. Trees, Forests and People 7: 100213 (**Impact factor: 2.70**)

39. Sameena Wani, Zahoor A Kaloo, **Aijaz Hassan Ganie**, Manzoor A Shah & Bilal A Tali. 2022. Micropropagation and Arbuscular Mycorrhizae Assisted Growth in *Phlomis cashmeriana* Royle ex Benth., an endemic medicinal herb of Kashmir Himalaya. Journal of Herbs, Spices & Medicinal Plants. DOI: 10.1080/10496475.2022.2047866. (**Impact factor: 0.91**).
40. Banoo S, Gulzar R, Islam T, **Aijaz Hassan Ganie** and Anzar A Khuroo. 2021. *Gentianopsis paludosa* var. *alpina* (Gentianaceae), a new record for India from Ladakh, Trans-Himalaya. Rhedea. 31(2): 71-76. (**Impact factor: 0.27**).
41. Chesfeeda Akhter, Zafar.A. Reshi, **Aijaz Hasaan Ganie**, Ghulam Hassan Dar and Anzar A Khuroo. 2022. Unique arrangement and temporal separation of essential organs promotes cross pollination in *Impatiens edgeworthii* Hook. f.: an endemic species of Western Himalaya. Botanica Pacifica. DOI: 10.17581/bp.2022.1111. (**Impact factor: 0.58**).
42. Sufiya Rashid, Kausar Rashid, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2022. Meiotic Studies, Pollen Fertility and Seed Set of *Actaea kashmiriana*, an Endangered Endemic Plant Species of the Himalaya. Cytologia. 87(3): 239–244 (**Impact factor: 0.99**)
43. **Aijaz Hassan Ganie**, Zafar A Reshi and B. A. Wafai. 2022. Quantitative, Qualitative Pollen Characters and Pollination Mechanisms: A Case Study of Ten *Potamogeton* Species. Inland Water Biology. Vol. 15, No. 4, pp. 374–380. DOI: 10.1134/S1995082922040265 (**Impact factor: 0.8**)
44. **Aijaz Hassan Ganie**, Tariq Ahmad Butt, Anzar Ahmad Khuroo, Nazima Rasool , Rameez Ahmad, Syed Basharat, Zafar A Resh. 2022. Taxonomy and threat assessment of *Lagotis kunawurensis* Rupr. (Plantaginaceae), an endemic medicinal plant species of the Himalaya, India. Journal of Threatened Taxa. 16 (6): 21239-21245. (**Impact factor: 0.49**)
45. Junaid A. Magray, Bilal A. Wani, Tajamul Islam, **Aijaz Hassan Ganie** and Irshad A. Nawchoo. 2022. Phyto-ecological analysis of *Phytolacca acinosa* Roxb. assemblages in Kashmir Himalaya, India. Frontiers in Forest and Global Change 5:976902. doi: 10.3389/ffgc.2022.976902 (**Impact factor: 4.33**).

46. Khalid Bashir Dar, Ruhban Ansar Parry, Aashiq Hussain Bhat, Afaq Hameed Beigh, Maroof Ahmed, Umer Majeed Khaja, **Aijaz Hassan Ganie**, Manzoor Ahmad Mir, Bilal Ahmad Reshi, Showkat Ahmad Ganie. 2022. Immunomodulatory Efficacy of *Cousinia Thomsonii* C.B. Clarke in Ameliorating iNOS, COX-2, PPAR- γ , Rel-A, and CRP Expression and Molecular Docking Analysis. *Journal of Ethnopharmacology*. 300. (2023) 115727. **(Impact factor: 5.19)**.
47. Banoo S, Ali L, Aijaz Hassan Ganie, and Anzar Ahmad Khuroo. 2022. Trees of the Trans-Himalaya: First report of *Pinus wallichiana* A. B. Jackson from Ladakh. *Vegetos* <https://doi.org/10.1007/s42535-022-00497-x> **(Impact factor: 0.47)**.
48. Banoo S, Anzar Ahmad Khuroo and **Aijaz Hassan Ganie**. 2022. *Swertia drassensis*, a new species from Drass, Ladakh Himalaya. *Phytotaxa* 571(2):219-226 **(Impact factor: 1.18)**
49. Bilal A. Wani, Junaid A. Magray, Roof Ul Qadir, Hanan Javid , **Aijaz Hasaan Ganie** and Irshad A. Nawchoo. 2022. Meiotic Bottlenecks Compromises Reproductive Success by Impairing Pollen Fertility and Seed Set in *Swertia thomsonii* C. B. Clarke - An Important Endemic Medicinal Herb of Western Himalaya. *Cytologia* 87(4): 323–330244 **(Impact factor: 0.99)**.
50. Banoo S, **Aijaz Hassan Ganie** and Anzar A Khuroo. 2022. *Pedicularis gracilis* var. *brunoniana* (Wall. ex Pennell) T. Husain & Arti Garg: first report from Ladakh, Trans-Himalaya, India. *Check List*. 18 (2): 269–273. <https://doi.org/10.15560/18.2.269>. **(Impact factor: 0.46)**.
51. Bilal A. Wani, Sajad A Wani, Junaid A Magray, Rameez Ahmad , **Aijaz Hassan Ganie** & Irshad A. Nawchoo. 2023. Habitat suitability, range dynamics, and threat assessment of *Swertia petiolata* D. Don: a Himalayan endemic medicinally important plant under climate change. *Environmental Monitoring and Assessment*. 195:893. <https://doi.org/10.1007/s10661-023-11414-3> **(Impact factor: 3.30)**.
52. Sufiya Rashid, Kausar Rashid, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2023. Seed ecology enlightens restoration of endemic species: A case study of *Actaea kashmiriana* from the Himalaya. *Ecological Engineering*. Volume 187, 106880. <https://doi.org/10.1016/j.ecoleng.2022.106880> **(Impact factor: 4.37)**.

53. Sufiya Rashid, Kausar Rashid, Bilal A. Wani, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2023. Reproductive biology of *Actaea kashmiriana*, an endemic medicinal plant species from the Himalaya: Implications for conservation and sustainable utilization. *Journal of Applied Research on Medicinal and Aromatic Plants*. 34 (2023) 100461 (**Impact factor: 3.94**)
54. Kausar Rashid, Sufiya Rashid, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2023. Reproductive biology of *Trillium govanianum*, an endangered plant species endemic to the Himalaya: implications for conservation. *Botany Letters*. VOL. 170 (4): 565–580. <https://doi.org/10.1080/23818107.2023.2176355> (**Impact factor: 1.74**)
55. Sufiya Rashid, Kausar Rashid, Tajamul Islam, **Aijaz Hassan Ganie**, Irshad A. Nawchoo, Anzar A Khuroo. 2023. Phytosociological and edaphic parameters of *Actaea kashmiriana* assemblages in Kashmir Himalaya. *Ecologia Sinica*. Volume 43, Issue 6, Pages 1038-1048. <https://doi.org/10.1016/j.chnaes.2023.02.009>. (**Impact factor: 0.93**).
56. Shabir A Zargar, **Aijaz Hassan Ganie**, Zafar A Reshi, Manzoor A shah, Nmrata sharma, Anzar A Khuroo. 2023. *Oxalis corniculata* L. (Oxalidaceae), an addition of an alien plant species to the flora of Ladakh, India. *Vegetos*. 37 (1); 373-378. <https://doi.org/10.1007/s42535-023-00612-6>. (**Impact factor: 0.47**).
57. Junaid A. Magray, Bilal A. Wani, **Aijaz Hassan Ganie**, Roof Ul qadir Irshad A. Nawchoo and Hanan Javid 2023. Effects of pre-sowing treatments and seed sources on seed germination of *Phytolacca acinosa* Roxb. *Journal of Applied Research on Medicinal and Aromatic Plants* 34: 100478 (**Impact factor: 3.94**).
58. **Aijaz Hassan Ganie**, Tajamul Islam, Anzar A. Khuroo and Bilal A Tali. 2023. *Viola suavis* subsp. *naqshi*: a new taxon from Kashmir Himalaya, India. *Phytotaxa* 588(2):167-172 (**Impact factor: 1.18**).
59. Kausar Rashid, Sufiya Rashid, Tajamul Islam, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2023. Vegetation and soil ecology of threatened Himalayan *Trillium* habitats in Kashmir Himalaya. *Nordic Journal of Botany*. (2023): 8. 2023: e03925 (**Impact factor: 0.93**).
60. Bilal A. Wani, Junaid A. Magray, **Aijaz Hasaan Ganie**, Roof Ul Qadir, Hanan Javid, and Irshad A. Nawchoo 2023. Understanding Reproductive Biology for Realization of Conservation and Sustainable Development of *Swertia thomsonii* C. B. Clarke-an

Endemic Medicinal Plant of Western Himalaya. Journal of Applied Research on Medicinal and Aromatic Plants. 35: 100493 (**Impact factor: 3.94**).

61. Nida Aslam, Aijaz A Wani, **Aijaz Hassan Ganie** and Irshad A. Nawchoo. 2023. Existence of Two Cytotypes of *Peganum harmala* L. in Kashmir Himalaya and Ladakh Trans Himalaya of India. Cytologia. 82 (2): 111-116 (**Impact factor: 0.99**).
62. Irfan Iqbal Sofi, Manzoor A. Shah, **Aijaz Hassan Ganie**. 2023. Integrating human footprint with ensemble modeling identifies priority habitats for conservation: a case study in the distributional range of *Arnebia euchroma*, a vulnerable species. Environmental Monitoring and Assessment. 195:914 (**Impact factor: 3.30**).
63. Sufiya Rashid, Kausar Rashid, **Aijaz Hassan Ganie**, Irshad A. Nawchoo, Mudasir A. Tantray and Anzar A Khuroo 2023. A Review of the Genus *Actaea* L.: Ethnomedical Uses, Phytochemical and Pharmacological Properties. Journal of Herbal Medicine. 41 (2023) 100690. <https://doi.org/10.1016/j.hermed.2023.100690> (**Impact factor: 3.03**).
64. Liyaqat Ali, Anzar A Khuroo, **Aijaz Hassan Ganie**, Nazima Rasool. 2023. *Artemisia dracunculus* subsp. *ladakhensis* (Asteraceae), a new subspecies from Ladakh, India. Annals Botanici Fennici. 60 (1): 191-195. August (2023). <https://doi.org/10.5735/085.060.0128> (**Impact factor: 0.7**).
65. Shivali Verma, Irfan I . Sofi, **Aijaz Hassan Ganie**, Manzoor A. Shah, Namrata Sharma. 2023. Incidence and frequency of desynapsis in *Eremurus persicus* (Jaub. & Spach) Boiss. (Asphodelaceae) – A native and important medicinal plant species of Western Himalaya. *Caryologia* 76(1):15-26. doi: 10.36253/caryologia-1904. (**Impact factor: 2.1**)
66. Kausar Rashid, Sufiya Rashid, Tajamul Islam, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Anzar A. Khuroo. 2023. Hidden from the harsh: Belowground preformation prior to winter determines life history strategy of a temperate perennial herb. *Flora* 308: 152387 (**Impact factor: 2.22**).
67. Irshad Ahmad Bhat, Junaid A Magray, Khushboo Guleria Mudasir Fayaza, Roof Ul Qadirb, **Aijaz Hassan Ganie**, Zahoor A Kaloo. 2024. Conservation implications of seed germination studies of *Aquilegia fragrans* Benth. A native and endangered medicinal plant species of Kashmir Himalaya. *South African Journal of Botany* 166: 151-160. (**Impact factor: 3.10**).
68. Liyaqat Ali, Anzar A Khuroo, Aijaz Hassan Ganie, Debabrata Maity. 2024. *Artemisia neosinensis* B.H. Jiao and T.G. Gao (Asteraceae), a New Addition to Flora of India from

Jammu and Kashmir. Biology Bulletin. 51(3): 813–816. DOI: 10.1134/S1062359023605566. (Impact factor: 0.5).

69. Shabir A Zargar, Anzar A Khuroo, Zafar A Reshi, **Aijaz Hassan Ganie**. 2024. Recent Species' Range Expansion in the Himalayan Highlands: New Distribution Records of Naturalized Alien Plants from Ladakh, India. Biology Bulletin. 51(3): 576–585. DOI: 10.1134/S1062359023606079. (Impact factor: 0.5).
70. Tajamul Islam, Bilal A. Rasray, Anzar Ahmad Khuroo, Aijaz Hassan Ganie, Muzamil Ahmad Mugal, Irshad A. Nawchoo. 2024 *Swertia kashmirensis* subsp. *darii* (Gentianaceae), a new taxon of *Swertia* from Kashmir Himalaya, India. Phytotaxa. 638 (1): 079–086. (Impact factor: 1.18).
71. Irfan Iqbal Sofi, Shivali Verma, **Aijaz Hassan Ganie**, Namrata Sharma, Manzoor A. Shah,. 2024. Meiotic behavior and its implications on the reproductive success of *Arnebia euchroma* (Royle ex Benth.) I.M.Johnst. (Boraginaceae), an important medicinal plant of Trans-Himalaya. *Caryologia* 76(3): 29-37. doi:10.36253/caryologia-2154 (Impact factor: 2.1).
72. Bilal A. Wani, Junaid A. Magray, **Aijaz Hasaan Ganie**, Roof Ul Qadir, Sufiya Rashid, Hanan Javid , and Irshad A. Nawchoo. 2024. Seed biology imperative for conservation and restoration of *Swertia thomsonii* C.B. Clarke—an endemic medicinal plant of Himalaya. Environ Monit Assess (2024) 196:472. <https://doi.org/10.1007/s10661-024-12632-z>. (Impact factor: 3.30).
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c. Book chapters and papers in proceedings

117. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2008. Multiple reproductive strategies contribute to invasiveness of *Potamogeton crispus* L. (Potamogetonaceae) in fresh water ecosystems of Kashmir Himalaya, India. Proceedings of Taal, 2007: The 12th World Lake Conference.
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d. Books and Monographs

125. Shabir A Zargar, **Aijaz Hassan Ganie**, Anzar A Khuroo, Zafar A Reshi, Akhtar H Malik, Sakina Banoo. 2023. An updated checklist of the vascular flora of the Trans-Himalayan region of Ladakh. Phtotaxa. 623 (1): 001–136 (**Impact factor: 1.18**).

Research guidance

a. Completed (Ph. D)

1. Floristic Diversity in the Aquatic Ecosystems of Kashmir Himalaya, 2021 (Co-supervisor).
2. Reproductive ecology and *ex-situ* conservation of *Actaea kashmiriana* J. Compton in Kashmir Himalaya, 2023 (Co-supervisor).
3. Reproductive ecology and *ex-situ* conservation of *Trillium govani* Wall ex D. Don in Kashmir Himalaya, 2023 (Co-supervisor).
4. Assessment of threat status, habitat suitability and causes of rarity of *Arnebia euchroma* (Royle ex Benth.) Johnston for development of effective conservation model, 2024 (Co-supervisor).
5. Studies on floristic diversity and ethno-botany of Drass valley, Ladakh, 2024 (Co-supervisor).
6. Reproductive ecology and *ex-situ* conservation of *Swertia petiolata* Royle ex D. Don-an important medicinal plant of Kashmir Himalaya, 2024 (Co-supervisor).
7. Reproductive ecology and *ex-situ* conservation of *Phytolacca acinosa* Roxb. in Kashmir Himalaya, 2024 (Co-supervisor).

b. Ongoing (Ph. D)

1. Reproductive ecology of some rare and common species of *Artemisia* L. in Kashmir Himalaya (Co-supervisor).
2. Understanding nurse plant facilitation in plant community structure at higher elevation in Western Himalaya.
3. Taxonomic, functional and phylogenetic diversity of native and alien flora in the Trans –Himalayan region of Ladakh (Co-supervisor).

Papers presented in Conferences/Seminars (Abstracts)

1. **Aijaz Hassan Ganie**, B.A. Wafai and Zafar Reshi. 2006. Comparative studies on some invasive and non-invasive species of the genus *Potamogeton* L. in fresh water ecosystems of Kashmir Himalaya. 2nd J&K Science Congress, University of Kashmir.
2. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2007. Multiple reproductive strategies contribute to invasiveness of *Potamogeton crispus* L. (Potamogetonaceae) in fresh water ecosystems of Kashmir Himalaya, India. Taal: The 12th World Lake Conference Jaipur-India.
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5. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2008. High incidence of polyploidy in the genus *Potamogeton* L. (Potamogetonaceae). National Symposium on Plant Cytogenetics: Recent trends. Department of Botany-Punjab University, Patiala-India
6. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2009. Reproductive ecology of invasive alien species of *Potamogeton pectinatus* L. in fresh water ecosystems of the Kashmir, Himalaya. 16th International Conference on aquatic invasive species. Fairmont Queen Elizabeth, Montreal, Quebec, Canada.
7. B.A. Wafai, **Aijaz Hassan Ganie** and Zafar Reshi. 2009. Reproductive biology in relation to habit and habitat in the aquatic genus *Potamogeton* L. (Potamogetonaceae): an overview. National Conference on Biodiversity: Present status and future challenges. Department of Botany University of Kashmir.
8. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2009. Alien invasive and non-invasive species of *Potamogeton* L. in the Kashmir Himalayan freshwater ecosystems: A comparative appraisal. Plant Invasion & Forest Ecology: Concerns & Solutions. Punjab University, Chandigarh, India

9. Shazada Arshad, Aijaz A. Wani, **Aijaz Hassan Ganie** and B.A. Wafai. 2010. Spatial and temporal isolation of male and female sex tracks favour allogamy in *Myriophyllum spicatum* L. – A species exploiting powerful sexual and vegetative strategies to invade aquatic ecosystems in Kashmir. 6th J&K Science Congress, University of Kashmir.
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13. Gowhar A. Shapoo*, Zahoor A. Kaloo, Seema Singh, **Aijaz Hassan Ganie**, Burhan M. Paddar, Samar Amin, Tabinda A Moon. 2012. Distribution, habit, habitat and importance of some orchid species growing in Kashmir Himalaya. 8th J&K Science Congress, University of Kashmir
14. Bilal Ahmad Tali, **Aijaz Hassan Ganie**, Zafar A. Reshi and Irshad A. Nawchoo. 2012. Treat categories assigned to different Medicinal and Aromatic Plants (MAPs) of Kashmir valley need to be readdressed. 8th J&K Science Congress, University of Kashmir.
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21. Gowhar A. Shapoo, Zahoor A. Kaloo, Seema Singh, **Aijaz Hassan Ganie**, Burhan M. Paddar, 2014. Some temperate Orchids of Kashmir Himalaya and their economic importance. National Conference on Orchids: Conservation, Importance and Orchid show. Organised by- The Orchid Society of India, Department of Botany Punjab University, Chandigarh and College of Horticulture Kerala at Chandigarh- India.
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28. Sameena Wani, Manzoor A. Shah, Z. A. Kaloo, **Aijaz Hassan Ganie** and Bilal A. Tali. 2015. Diversity of Mycorrhizal Fungi in Some Selected Medicinal Plants of Kashmir Himalaya. National Symposium on Biodiversity, Biology & Bio-prospecting, Department of Botany, University of Kashmir.
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31. Bilal A Tali, **Aijaz Hassan Ganie**, Irshad A. Nawchoo and Aijaz A. Wani. 2015. Population status and assessment of threat categories- an important component for

conservation strategies of Medicinal and Aromatic Plants. Global Conference on Unani Medicine: Emerging Trends and Future Prospects, Indian System of Medicine, Jammu & Kashmir-Srinagar.

32. Gowhar A Shapoo, Zahoor A. Kaloo, Seema Singh and **Aijaz Hassan Ganie**. 2015. A survey on traditional uses of *Dactylorhiza hatagireia* D.Don (Soo): an important medicinal orchid species growing in Kashmir Himalaya. Global Conference on Unani Medicine: Emerging Trends and Future Prospects, Indian System of Medicine, Jammu & Kashmir-Srinagar.
33. Khaleefa Aslam, Irshad A. Nawchoo, **Aijaz Hassan Ganie** and Bashir A. Ganai. 2015. Estimation of phytochemical constituents of *Primula denticulata* SM. Along an altitudinal gradient in Kashmir Himalaya. D.Don (Soo): an important medicinal orchid species growing in Kashmir Himalaya. Global Conference on Unani Medicine: Emerging Trends and Future Prospects, Indian System of Medicine, Jammu & Kashmir-Srinagar.
34. **Aijaz Hassan Ganie**, Zafar Reshi and B.A. Wafai. 2015. Contrasting patterns of dry mass allocation in ten species of *Potamogeton* L. in lentic and lotic systems. 11th J&K Science Congress, University of Kashmir.
35. Gowhar A Shapoo, Zahoor A. Kaloo and **Aijaz Hassan Ganie**. 2015. Seed morphometry of six imperative orchid species growing in Kashmir Himalaya. 11th J&K Science Congress, University of Kashmir.
36. Seema Singh, Gowhar A Shapoo, Zafar A. Reshi, **Aijaz Hassan Ganie**, Bilal A. Tali and Zahoor A. Kaloo. 2015. *Ex-situ* conservation of *Malaxis muscifera* (Lindl.) Kuntze and *Listera ovata* (Linn.) R. Brown- Two orchid species growing in Kashmir Himalaya. 11th J&K Science Congress, University of Kashmir.
37. Sameena Wani, Zahoor A Kaloo, Manzoor A. Shah, **Aijaz Hassan Ganie** and Bilal A. Tali. 2015. High frequency callus induction and plantlet regeneration from different explants of *Lavatera kashmeriana* Cambess.: an endemic medicinal herb of Himalaya. 11th J&K Science Congress, University of Kashmir.
38. Shugufta Rasheed, Anzar A. Khuroo, **Aijaz Hassan Ganie**, G. H. Dar. and Akhtar H. Malik. 2015. Back to basics to learn for future: Taxonomic appraisal of aquatic plant research in Kashmir Himalaya. 11th J&K Science Congress, University of Kashmir.

39. Tariq Ahmad Butt, Irshad A. Nawchoo, Zahoor A. Kaloo, **Aijaz Hassan Ganie**, Gowhar A. Shapoo and Sadaf Nazir. 2015. Rapid in vitro seed germination protocol for *Delphinium denudatum* Wallich ex. Hook. F & Thoms: an important and endemic medicinal plant of Kashmir Himalaya. 11th J&K Science Congress, University of Kashmir.
40. Bilal A Tali, **Aijaz Hassan Ganie**, Anzar A. Khuroo and Irshad A. Nawchoo. 2015. Valuation of medicinal flora for conservation priority: a case study of Jammu and Kashmir State, India. 11th J&K Science Congress, University of Kashmir.
41. Zahoor A. Kaloo, Gowhar A Shapoo, **Aijaz Hassan Ganie**, Seema Singh and Burhan M. Padder. 2016. Present Status of Orchid Research in Kashmir Himalaya-India. National Conference cum Workshop on Advances in Orchid Biology with Focus on Climate Change, Medicinal and Floriculture plants, and Sustainable Economic Utilization, Venkatramannagudem-534 101, Andhra Pradesh.
42. **Aijaz Hassan Ganie**. Biodiversity Diversity of Medicinal plants of Kashmir Himalaya. 2017. Science Academics, Lecture workshop on “ Biodiversity of Kashmir Himalaya” Organized by Dept. of Botany, Satellite Campus-KU, Kargil. Sponsored by Indian Academy of Science (Bangalore- India) National Academy of Sciences (New Delhi-India) and National Academy of Sciences (Allahabad- India) (25-27 July, 2017).
43. **Aijaz Hassan Ganie**, Zafar A Reshi and B.A. Wafai. 2017. Diversity of *Potamogeton* (Potamogetonaceae) in Kashmir Himalaya. Himalayan Biodiversity: characterization and bio-prospecting for sustainable utilization. Organized by Centre for Kashmir Himalayan Biodiversity: Documentation, Bio-prospecting & conservation. University of Kashmir (18th-19th September).
44. **Aijaz Hassan Ganie**, Bilal A Tali. 2017. Climate change and clonality in aquatic plants under contrasting flow conditions. Organized by S.A.M. degree College, Budgam (J&K) (26-10-2017)
45. Gowhar A Shapoo, Zahoor A. Kaloo, Seema Singh, **Aijaz Hassan Ganie**, Bilal A. Talia and Burhan M. padder. 2017. Diversity, Ethano-botany and efficient conservation strategies for some valued orchid species growing in Kashmir Himalaya- Indian. Himalayan Biodiversity: characterization and bio-prospecting for sustainable utilization.

Organized by Centre for Kashmir Himalayan Biodiversity: Documentation, Bio-prospecting & conservation. University of Kashmir (18th-19th September).

46. Gowhar A Shapoo, Zahoor A. Kaloo, Seema Singh, **Aijaz Hassan Ganie** and Bilal A. Tali. 2017. Development of efficient agro-techniques for ex-situ conservation of *Dactylorhiza hetagirea* (D. Don) Soo: an important orchid species growing in Kashmir Himalaya-India. One Day National Seminar on Biodiversity and Climate Change: “Challenges and Prospects”. Organized by Department of Environmental Science, Govt Sheikh-Ul- Alam Memorial Degree College-Budgam, J&K.
47. Shugufta Rasheed, Anzar A. Khuroo, Zeenat Ismail, G. H. Dar and **Aijaz Hassan Ganie** 2017. Diversity and distribution of aquatic plants in aquatic habitats of Srinagar city, Kashmir Himalaya. One Day National Seminar on Biodiversity and Climate Change: “Challenges and Prospects”. Organized by Department of Environmental Science, Govt Sheikh-Ul- Alam Memorial Degree College-Budgam, J&K.
48. Bilal A Tali, Anzar A. Khuroo, **Aijaz Hassan Ganie** and Irshad A. Nawchoo. 2017. Towards the Target 2 of Global Strategy for Plant Conservation (GPSC): a case study from Kashmir Himalaya. One Day National Seminar on Biodiversity and Climate Change: “Challenges and Prospects”. Organized by Department of Environmental Science, Govt Sheikh-Ul- Alam Memorial Degree College-Budgam, J & K.
49. Gowhar A Shapoo, Zahoor A. Kaloo, Seema Singh, **Aijaz Hassan Ganie** and Bilal A. Tali. 2017. Diversity and Efficient Conservation Strategies of Some Imperative Orchid Species Growing in Kashmir Himalaya. 13th J&K Science Congress, University of Kashmir.
50. **Aijaz Hassan Ganie, Bilal A Tali**, Zafar A Reshi, Irshad A Nawchoo and Anzar A Khuroo. 2018. Novel Mechanisms of Pollination in Some Important Endemic Medicinal Plant Species of Kashmir Himalaya. 13th J&K Science Congress, University of Kashmir.
51. Riyaz Ahmad Mir, Abdul Hamid Wani, **Aijaz Hassan Ganie**, Showkat Ahmad Pala and Jahangir Koka. 2018. *In Vitro* Fungicidal Activity of Medicinal Plant Extracts against Powdery Mildew Fungi. 13th J&K Science Congress, University of Kashmir.
52. Nazima Rasool, Manzoor Ahmad Shah, **Aijaz Hassan Ganie**, and Zafar Ahmad Reshi. 2018. Soil Microbial Functions Differ in Range Expanding vs Native Plants. 13th J&K Science Congress, University of Kashmir.

53. Bilal A Tali, Anzar Ahmad Khuroo, Irshad A Nawchoo and **Aijaz Hassan Ganie**. 2018. Prioritization for Conservation: A Case Study of Medicinal Flora of Jammu and Kashmir State in the Indian Himalaya. 13th J&K Science Congress, University of Kashmir.
54. **Aijaz Hassan Ganie** and Bilal A Tali. 2019. Medicinal and Aromatic Plants (MAPs) of Kashmir Himalaya. International Conference on Medicinal, Aromatic and Nutraceutical Plants from Mountains Areas. 9th Annual Conference- American Council for Medicinally Active Plants (ACMAP) and Graphic Era University, Dehradun, Utrakhand-India.
55. **Aijaz Hassan Ganie**. 2020. Prospects of Medicinal and Aromatic Plants (MAPs) of Jammu and Kashmir. *Biodiversity: Status and Future Prospects*". Organized by Department of Zoology and Botany, GDC Bijbehara.
56. **Aijaz Hassan Ganie**, Zafar A Reshi and B A Wafai. 2021. *Potamogeton* of Kashmir Himalaya: Phytogeography and Ecology. On Recent Innovations in Sciences, Social Sciences, Humanities and Arts. Organized by Govt. Degree College Poonch. J & K-India.
57. **Aijaz Hassan Ganie**, Zafar A Reshi and B A Wafai. 2024. *Potamogeton* Growth and Development under different Nutrient Concentrations. Two day Multidisciplinary National Conference on Innovations and Recent Advances. Organized by SKC Govt Degree College Poonch and SCS Govt Degree College Mander in collaboration with Indian Science Congress Association (ISCA) at SKC Govt. Degree College Poonch on 2nd and 3rd March 2024.
58. Bilal A Wani, Junaid A Magray, **Aijaz Hassan Ganie** and Irshad A Nawchoo. Development of agro-technique protocol for ex-situ conservation of *Swertia thomsonii* C.B . clake- an endemic medicinal plant of Western Himalaya. Two day Multidisciplinary National Conference on Innovations and Recent Advances. Organized by SKC Govt. Degree College Poonch and SCS Govt. Degree College Mander in Collaboration with Indian Science Congress Association (ISCA) at SKC Govt. Degree College Poonch on 2nd and 3rd March 2024.
59. Junaid A Magray, Bilal A Wani, **Aijaz Hassan Ganie** and Irshad A Nawchoo. Phenology of *Phytolaca acinosa* Roxb. along the elevational gradient in Kashmir Himalaya. Two day Multidisciplinary National Conference on Innovations and Recent

Advances. Organized by SKC Govt. Degree College Poonch and SCS Govt. Degree College Mander in Collaboration with Indian Science Congress Association (ISCA) at SKC Govt. Degree College Poonch on 2nd and 3rd March 2024.

- 60. Aijaz Hassan Ganie**, Zafar A Reshi and B A Wafai. 2024. Diverse modes of clonal propagation help various species of *Potamogeton* L. to inhabit different habitats- a case study from Kashmir Himalaya. 14th Clonal Plant Workshop. “Clonal Plants as Agents of Change”. Organized by Taizhou University, Taizhou Association for Science and Technology, and Botanical Society of Zhejiang, School of Life Sciences, Taizhou University and School of Life and Environmental Sciences, Hangzhou Normal University (18-22 October 2024).

Articles Published

- 1. Aijaz Hassan Ganie.** Chohar Nag: an assert neglected, Greater Kashmir. 29-5-2007
- 2. Akhtar H. Malik, Aijaz Hassan Ganie.** Lidder vally: the real beauty is here, Greater Kashmir. 10-8-2009.
- 3. Aijaz Hassan Ganie.** All is not well for Manasbal Lake, Rising Kashmir. 14-7-2012.
- 4. Aijaz Hassan Ganie.** Universities for Research and Innovation Bill -2012. Future University-no entry for poor. Rising Kashmir. 06-09-2012.
- 5. Aijaz Hassan Ganie** and Gowhar A. shapoo. Exploring Margan Top- Wadwan valley, Rising Kashmir. 17-11-2012.
- 6. Aijaz Hassan Ganie.** Extracting medicine from plants, Greater Kashmir. 8-5-2013.
- 7. Aijaz Hassan Ganie** and Bilal A. Tali. Vanishing medicinal plants of Kashmir Himalaya. India’s Endangered. 20-9-2013.
- 8. Aijaz Hassan Ganie.** Have we reached the GM stage? Greater Kashmir. 18-09-2013.
- 9. Aijaz Hassan Ganie**, Aabid M. Rather and Irshad A. Nawchoo. 2013. Saffron cultivation in Kashmir valley: Myth and Reality, Science and culture. 80 (3-4): 68-70.
- 10. Gowhar Ahmad Shapoo**, Zahoor Ahmad Kaloo and **Aijaz Hassan Ganie.** Orchid Reserve in Kashmir, Rising Kashmir. 07-04-2014.
- 11. Gowhar Ahmad Shapoo** and **Aijaz Hassan Ganie.** Valley and Vishansar, Rising Kashmir. 25-04-2014.

12. **Aijaz Hassan Ganie.** Conserve water bodies; prevent flash floods, Greater Kashmir. 20-09-2014.
13. **Aijaz Hassan Ganie.** Saving Wular Lake, Greater Kashmir. 20-10-2014.
14. **Aijaz Hassan Ganie,** Bilal A. Tali and Gowhar A Shapoo. Landslides: Yet another disaster, Greater Kashmir. 21-4-2015.
15. Gowhar Ahmad Shapoo, Zahoor A. Kaloo, Seems Singh and **Aijaz Hassan Ganie** Orchid news from Department of Botany University of Kashmir. Orchid News Newsletter of Orchid Society of India. Vol.13. Dec. 2015.
16. **Aijaz Hassan Ganie** and Nazima Rasool. Kargil: An alternative Area in the State of Jammu and Kashmir for Cultivation of the Rosaceous Fruits. Voice of Ladakh. 4 (1): 5pp (2016).
17. **Aijaz Hassan Ganie** and Nazima Rasool Kargil shows potential of fruit cultivation. Rising Kashmir 10-9-2016
18. **Aijaz Hassan Ganie** and Nazima Rasool. Untapped natural resources of Kargil. Rising Kashmir. 15-01-2017.
19. Nazima Rasool and **Aijaz Hassan Ganie.** Why it is not advisable to plant exotic varieties of poplar in Kargil? Rising Kashmir. 24-06-2017.
20. **Aijaz Hassan Ganie** and Nazima Rasool. Lower Ladakh: A region with rich floristic diversity. Rising Kashmir. 19-10-2017.
21. **Aijaz Hassan Ganie.** Kashmir's Spring Story. Rising Kashmir. 1-1-2018.
22. **Aijaz Hassan Ganie.** Climate changes strongly influences Pandemic outbreaks. Rising Kashmir. 23-08-2020.
23. **Aijaz Hassan Ganie.** EIA Report 2020. Experts should modify it. Rising Kashmir. 02-09-2020.
24. **Aijaz Hassan Ganie.** Ban on Open-Access Science journals. Rising Kashmir. 15-01-2021.
25. **Aijaz Hassan Ganie** and Bilal A Tali. Potential Medicinal Plants of Kashmir Himalaya. Greater Kashmir. 20-01-2021
26. **Aijaz Hassan Ganie** and Bilal A Tali. Healing Himalaya: Kashmir Himalaya is a region with highest number of medicinal and aromatic plants in India. Greater Kashmir. 18-06-2021.

27. **Aijaz Hassan Ganie.** Vaccine, not Bombs. Greater Kashmir. 8-07-2021.
28. **Aijaz Hassan Ganie.** Margan Top: a promising tourist spot. Greater Kashmir. 31-07-2021.
29. **Aijaz Hassan Ganie.** The Untimely Snowfall: Climate Change has turned a joyful harvest season into a calamitous event. Greater Kashmir. 27-10-2021.
30. **Aijaz Hassan Ganie.** Need for Legal Framework: Developing countries also need to have bills like bipartisan infrastructure bill on Biodiversity. Greater Kashmir. 10-12-2021.
31. **Aijaz Hassan Ganie.** Using science to defend the unscientific. “Two hundred years of Mendilism and the science of genetics as tool of racism”. Greater Kashmir. 18-08-2022.
32. **Aijaz Hassan Ganie.** Human Evolution and Noble Prize of 2022 in Medicine. Rising Kashmir. 20-10-2022.
33. **Aijaz Hassan Ganie.** Is fusion reaction system an answer to energy crisis and global climate change? Rising Kashmir. 25-12-2022.
34. **Aijaz Hassan Ganie** and Showkat Ahmad Ganie. Cancer Drug Discovery: New Insights. Rising Kashmir. 20-01-2023
35. **Aijaz Hassan Ganie** and Showkat Ahmad Ganie. Can Ageing be Accelerate or Reversed? Rising Kashmir. 30-01-2023.
36. **Aijaz Hassan Ganie.** Chor Nag: A full natural package for enjoyment of tourists. Rising Kashmir. 26-08-2023
37. **Aijaz Hassan Ganie.** Mother Earth and Responsibility of Political Spectrum. Rising Kashmir. 02-09-2023.
38. **Aijaz Hassan Ganie.** MS Swaminathan (1925-2023): A Scientist with Vision on Public Policy. Rising Kashmir. 09-11-2023.
39. **Aijaz Hassan Ganie.** Changing Weather Pattern in Kashmir. Greater Kashmir. 06-02-2024.
40. **Aijaz Hassan Ganie** The Darwin Day: Celebrate the Day of Pioneer of Evolutionary Biology. Rising Kashmir. 12-02-2024.
41. **Aijaz Hassan Ganie.** World Eart Day 2024/ This Day and the Lesson for Humankind. Greater Kashmir. 22-048-2024.

- 42. Aijaz Hassan Ganie.** Land Subsidence and Land-sliding: A New Emerging Problem for Jammu and Kashmir. Rising Kashmir. 1-05-2024.
- 43. Aijaz Hassan Ganie.** Anthropogenic Pressures Making El Nino Effect Extreme. Greater Kashmir. 20-06-2024.
- 44. Aijaz Hassan Ganie.** Say Good Bye to Drugs on this Year's World Drug Day. Rising Kashmir. 25-06-2024.
- 45. Aijaz Hassan Ganie.** Tourism in Alpine areas of Kashmir Himalaya should be Sustainable not Threatening. Rising Kashmir. 18-08-2024.
- 46. Aijaz Hassan Ganie.** Medicinal Plants: Towards Extinction: Illegal trade is a major threat to medicinal plants of Kashmir Himalaya. Greater Kashmir. 16-09-2024.
- 47. Aijaz Hassan Ganie.** Human Metapneumovirus (HMPV) Outbreak: Precautions and safety measures. Rising Kashmir. 08-01-2025.
- 48. Aijaz Hassan Ganie.** Drying up of famous Achabal Spring: A major concern for the eco-fragile region. Rising Kashmir. 20-02-2025.

Training Workshops/Courses /Seminars attended

1. National Seminar on “ Current Trends in Plant Sciences”, Department of Botany, University of Delhi (15-16 February, 2007)
2. International Symposium on “Genomic Instability and Cancer”, Department of Biotechnology, University of Kashmir, SKIMS-Srinagar and The Ohio State University, USA, held at Srinagar Kashmir- India (22-26 July, 2007)
3. Workshop on “Sustainable Utilization of Medicinal and Aromatic of Kashmir Himalaya in Regional Development” Department of Botany, University of Kashmir, sponsored under Special Assistance Programme (SAP) – UGC, New Delhi (15 October, 2011).
4. 8th JK Science Congress. “Science Technology & Regional Development: Opportunities & Challenges”. Organized by University of Kashmir, J&K State Council for S&T and DST, GOI. (17th to 19th September, 2012).
5. Symposium on “ Innovation in Science Pursuit for Inspired Research (INSPIRE)” Department of Botany University of Kashmir, sponsored by the Department of Science and Technology (DST) Govt. of India (7-11 September, 2013)

6. 21st National children's Science Congress (NCSC-2013). A Program of National Council for Science & Technology Communication Department of Science and Technology (DST) Govt. of India- Madhya Pradesh (27-31 December, 2013).
7. Science Academics, Lecture Workshop on “ Himalayan Biodiversity and Bioresources: Mapping, Utilization and Conservation”, Department of Botany, University of Kashmir, sponsored by Indian Academy of Science (Bangalore- India) National Academy of Sciences (New Delhi- India) and National Academy of Sciences (Allahabad- India) (8-10 May, 2014).
8. National Symposium on “Biodiversity, Biology and Bioprospecting”. Organized by Department of Botany, University of Kashmir (1- 2 April, 2015).
9. Second National Summit on Unani Medicine. Organized by All India Unani Tibbi Congress, J&K Chapter (University of Kashmir-Srinagar, J&K) (12-13 May 2015).
10. National Workshop on Scholarly Writing, Reference Management and Detering Plagiarism. Organized by Allama Iqbal Library, University of Kashmir (22-23 March 2017)
11. National Training Workshop on “ Plant Taxonomy: Principles and Practices” Organized by Centre for Biodiversity & Taxonomy (CBT), Department of Botany, University of Kashmir (27-29 March 2017)
12. Science Academics, Lecture workshop on “ Biodiversity of Kashmir Himalaya” Organized by Dept. of Botany, Satellite Campus-KU, Kargil. Sponsored by Indian Academy of Science (Bangalore- India) National Academy of Sciences (New Delhi- India) and National Academy of Sciences (Allahabad- India) (25-27 July, 2017).
13. Workshop Cum-Brainstorming Session about the projects sponsored by the Ministry of Environment, Forest & Climate Change under the National Mission on Himalayan Studies. Organized by Department of Botany, University of Kashmir (16th of March 2019).
14. National Level Workshop on “Plant Taxonomy: Classical and Modern Methods”. Organized by Centre for biodiversity and Taxonomy (CBT), Department of Botany, University of Kashmir, Sponsored by Ministry of Environment, Forest & Climate Change (MoEFCC) under AICOPT Scheme (12th - 14th March, 2020).

15. Webinar on the theme “Life Skill Enhancement: Need of 21th Century”. Organized by Kargil Campus, University of Ladakh on 23-11-2020.
16. Three days online UT level workshop on “Biodiversity: Status and Future Prospects” Organized by Department of Zoology and Botany, GDC Bijbehara. 21-12- 2020 to 23-12-2020.
17. One day online workshop on ‘State Chapter’ under the Himalayan Knowledge Network (HKN). Organized by National Mission on Himalayan Studies (NMHS) under the aegis of Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India. 28-09-2021.
18. One day webinar under the theme ‘*Integrated Approach in Science and Technology for a Sustainable Future.*’ Organized by Kargil Campus, University of Ladakh on 28th February 2022 (Co-Organizing Secretary)
19. Five days virtual Short Term Training Programme on ‘Chemistry from Computational Tool for Beginners (CCTB-2022). Organized by Department of Chemistry, SVNIT, Surat, Gujarat. March 1-5-2022.
20. National Level Webinar on Investor Awareness Program conducted by University of Ladakh in association with Ambition Learning Solutions held on 13th August, 2022.
21. Regional Young Investigators Meeting (RYIM)- Srinagar on the theme Igniting curiosity and Training Young Minds of J&K for Sustainable Future Organized by University of Kashmir from September 19 - 21, 2023.
22. Two day Training workshop on Monitoring Plant Phenology in an Era of Climate Change (4th to 5th March, 2024). Organized by Department of Botany University of Kashmir, sponsored by SERB.
23. Two day International Workshop on Mountain Ecology and Biological Invasions (2nd to 3rd July- 2024). Organized by Department of Botany University of Kashmir, Srinagar, sponsored by Ministry of Education, Govt. of India Via Mission Directorate RUSA 2.0. Govt. of J &K.

Orientation/Refresher Courses and FDPs attended

1. 74th General Orientation Course. Organized by UGC-Human Resource Centre, University of Kashmir. (27th February to 27th March 2017).

2. Science Academics, Refresher Course on “Multiomic applications in Medicinal Plant Research” Organized by The Institute of Trans-disciplinary Health Sciences and Technology, Bangaluru, India (February 19 to March 3. 2018).
3. Seven days Faculty Development Programme on “Emerging Trends and Challenges in Higher Education”. Organized by University of Ladakh. 15-10-2021-21-10-2021.
4. Six day Short Term Course on Indain Knowledge System (IKS) from 11th - 16th September, 2023. Organized by Malaviya Mission-Training Course (Erstwhile UGC-HRDC), University of Kashmir in collaboration with UGC and IKS Ministry of Education, Government of India.
5. Two week Refresher Course in Information Technology (Interdisciplinary) in online mode from 18th July, 2023 to July 31st, 2023 organized by UGC-HRDC, University of Kashmir.
6. Two week Refresher Course in Human Rights (Multidisciplinary) from January 31st to 13th February, 2024. Organized by UGC – Malaviya Mission Teacher Training Centre, University of Kashmir.

Invited/Lead Lectures

1. Diversity, distribution, different operative threats and conservation strategies of the MAPs of Kashmir Himalaya in Science Academics, Lecture workshop on “ Biodiversity of Kashmir Himalaya” Organized by Dept. of Botany, Satellite Campus-KU, Kargil. Sponsored by Indian Academy of Science (Bangalore- India) National Academy of Sciences (New Delhi- India) and National Academy of Sciences (25-27July 2017).
2. Prospects of Medicinal and Aromatic Plants (MAPs) of Jammu and Kashmir in in three days online UT level workshop on “ *Biodiversity: Status and Future Prospects*” Organized by Department of Zoology and Botany, GDC Bijbehara (21-23 December, 2020)
3. Impact Assessment of anthropogenic threats to MAPs in Kashmir Himalaya” in National level one day E – workshop on “Biodiversity Status: Concern and Opportunities” organized by Department of Biosciences, Government Degree College, Bijbehara (22nd May 2021).

4. Sixth Mass Extinction: Footprints in Kashmir Himalaya- on one week Lecture series on World Environment Week organized by SAM Degree College Budgam (11-06-2021).
5. Diversity of Macrophytes and Management of Aquatic Ecosystems of Kashmir Himalaya. On World Nature Conservation Day, a Webinar Organised by Government College for Women Nawakadal Srinagar (28th July 2021).
6. Medicinal and Aromatic Plants (MAPs) of J&K: Diversity and Prospects. On 'State Chapter' under the Himalayan Knowledge Network (HKN). Online workshop Organized by National Mission on Himalayan Studies (NMHS) under the aegis of Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India. 28-09-2021
7. Traditional Medicinal Plants of Kashmir Himalayas-Diversity and Prospects. International Conference on Unani Medicine. Organized by CCRUM; Ministry of AyUSH, Govt. of India. 10-11 Feb.2022.
8. Biodiversity of Kashmir Himalaya and its Sustainable Utilization under Global climate Change Scenario. National Seminar on "Climate Change and Sustainability: Challenges and prospects. Organized by SAM Degree College Budgam (10-08-2023).
9. Aquatic Food Plants of Kashmir Himalaya. National Seminar on National Science Day on the theme Indigenous Technologies for Viksit Bharat. Organized by North Campus, University of Kashmir (28-02-2024).
10. Development of Different Agro-techniques for Conservation, Cultivation and Commercialization of Medicinal and Aromatic Plants. Two Day Capacity Building Programme on "Cultivation, Processing and Marketing of Medicinal and Aromatic Plants for North Kashmir". Organized by Department of Botany, North Campus, University of Kashmir. (22-23 March 2024).
11. Climate Extremes and its Consequences. National Seminar on Climate Change and Natural Disasters- Navigating Risks and Resilience. Organized by Department of Botany, North Campus, University of Kashmir. (11 July 2024).
12. Diverse modes of clonal propagation help various species of *Potamogeton* L. to inhabit different habitats- a case study from Kashmir Himalaya. 14th Clonal Plant Workshop. "Clonal Plants as Agents of Change" (International Workshop). Organized by Taizhou University, Taizhou Association for Science and Technology, and Botanical Society of

Zhejiang, School of Life Sciences, Taizhou University and School of Life and Environmental Sciences, Hangzhou Normal University (18-22 October 2024).

Experience (Teaching/research)

1. Research experience= 7 years
2. Teaching experience = 9 year

Assignments of different Scientific Journals

A. Associate Editor

1. Journal of Natural & Ayurvedic Medicine

B. Reviewer

1. International Journal of Plant Physiology and Biochemistry
2. Checklist
3. Scientific Reports- Nature Publication
4. Journal of Nutritional Medicine and Diet Care
5. Nature Conservation Research
6. Plant Cell Biotechnology and Molecular Biology
7. Asian Journal of Fisheries and Aquatic Research
8. Journal of Mountain Science
9. Journal of Herbs, Spices & Medicinal Plants
10. Frontiers in Plant Science
11. Notulae Botanicae Horti Agrobotanici Cluj-Napoca
12. Flora
13. Journal of Applied Research on Medicinal and aromatic Plants
14. Journal for Nature Conservation
15. Vegetos

- 16.** Protoplasma
- 17.** Genetic Resources and Crop Evolution
- 18.** PLOS ONE
- 19.** Journal of Herbal Medicine
- 20.** Ecological informatics
- 21.** National Academy of Science Letters
- 22.** Biodiversity and Conservation