

Dr. Mudasir Iqbal

Govt. Degree College Shopian-Kashmir

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Email: mudasirkas111@gmail.com**Academic Record**

Certificate	College/University	Year of Passing	% /OGPA Marks Obtained
PhD Horticulture (Fruit Science)	Sher-e-Kashmir University of Agricultural Sciences & Technology	2020	7.90 OGPA/ 79 %
National Eligibility Test (NET) Fruit Science	ASRB (ICAR)	2015	58 %
M.Sc. Agriculture (Fruit science)	Sher-e-Kashmir University of Agricultural Sciences & Technology	2014	8.80 OGPA/ 88%
B.Sc. (Horticulture)	HNBGU (a central university) Srinagar Uttarakhand,	2012	84.5 %

Working experience

POST HELD	NAME & ADDRESS OF EMPLOYER	PERIOD WITH LAST PAY DRAWN		ROLE
		From	To	
Assistant Professor (Horticulture Technology)	Higher Education Department Government Degree College Shopian	28 th December 2024		Teaching, Extension and Research
Technical Manager	Indoduch Horticulture Technologies Pvt.Ltd. Bhimtal Nainital Uttarakhand	10 th January 2020	May 2023	Monitoring of ultra-high-density plantation of Temperate Fruits and Nuts in Jammu and Kashmir.
Farm Manager	Global AgriSystem Pvt. Ltd. J-10 Green Park New Delhi	1 st May 2019	7 th January 2020	Monitoring 200 Acre Area of Temperate Fruits and Nuts at JK Farms Nainital Uttarakhand

Research Activities

- I have done my Masters Research on ‘Effect of mulching materials on growth, yield and fruit quality of Aonla cv. NA-7 under rainfed conditions of Jammu.
- My Ph.D. Research credits were based on ‘Induction of Phytophthora tolerance in Rough Lemon through tissue culture and mutagenesis’.

Trainings Undergone

S.No.	Title of Training	Institute	Duration
1.	Apiculture and Food Processing	Sumiti Foundation Kotdwar Uttrakhand	3-Months
2.	First hand training on tissue culture	School of Biotechnology, SKUAST-Jammu	10-Days
3.	Communication and Personality Development	Division of Silviculture and Agroforestry, SKUAST-Kashmir.	7-Days
4.	Conventional and molecular approaches for crop improvement under changing climate scenario	SKUAST-Kashmir.	6-Days

Academic Excellency

- ✓ Recipient of topper merit certificate in B.Sc. (Horticulture) from HNBGU, A central University.
- ✓ Awarded Junior Research Fellowship (JRF)-2012 in Horticulture from Indian Council of Agricultural Research (ICAR), New Delhi.
- ✓ Recipient of topper merit certificate in M.Sc. Fruit Science from SKUAST-Jammu.
- ✓ Recipient fellow of Maulana Azad National Fellowship from UGC, Govt. of India during Ph.D tenure.
- ✓ Recipient of Research Excellence Award 2021 from Institute of Scholars.
- ✓ I am Editorial Board Member of *SCIREA Journal of Biology* and reviewer of *African Journal of Agricultural Research*, *Annual Research and Review in Biology* and *International Journal of Horticultural Science and Ornamental Plants*.
- ✓ Participated and presented more than five papers in national and international seminars.

Publications

Research and Review Papers:

1. Bakshi, P., **Iqbal, M.**, Shah, R.A., Singh, V.B. and Arora, R. 2015. Influence of various mulching materials on soil properties and leaf nutrient status of aonla (*Emblica Officinalis* Gaertn.) cv. NA-7. *The Ecoscan*, 9 (1&2): 63-66.
2. Bakshi, P., Bhat, D.J., Wali, V.K., Sharma, A. and **Iqbal. M.** 2014. Growth, yield and quality of strawberry (*Fragaria x ananassa* Duch.) cv. Chandler as influenced by various mulching materials. *African Journal of Agricultural Research*, 9 (7): 701-706.
3. **Iqbal. M.**, Bakshi, P., Wali, V.K., Kumar, R., Bhat, D.J., Jasrotia, A. 2016. Efficacy of organic and inorganic mulching materials on weed count, growth, and yield of aonla (*Emblica officinalis*) cv. NA 7. *Indian Journal of Agricultural Sciences*, 86 (4): 545-9.
4. Bakshi, P., Wali, V.K., **Iqbal. M.**, Jasrotia, A., Kour, K., Shah, R.A. and Bakshi, M. 2015. Sustainable fruit production by soil moisture conservation with different mulches: A review. *African Journal of Agricultural Research*, 10 (52); 4718-4729

5. **Iqbal, M.**, Bakshi, P., Kumar, R., Wali, V.K. and Bhushan, B. 2015. Influence of mulching on fruit quality of aonla (*Emblica officinalis* Gaertn.) cv. NA-7. *Ecology, Environment and Conservation* 21 (3): 1369-1374
6. Bakshi, P., Wali, V.K., Jasrotia, A., Sharma, A. and **Iqbal, M. 2015.** Evaluation of different aonla (*Emblica officinalis*) cultivars under rainfed conditions of lower shivalik foothills of Himalayas. *Indian Journal of Agricultural Sciences* 85 (8), 1012-6.
7. Kour, D., Bakshi, P., Wali, V.K., Sharma, N., Sharma, A. and **Iqbal, M.** 2018. Alternate Bearing in Olive-A Review. *International Journal Current Microbiology and Applied Sciences*, 7 (9): 2281-2297.
8. **Iqbal, M.**, Bakshi, P., Wali, V. K. and Hamid, N. 2017. Economics of different mulching materials on aonla (*Emblica officinalis* Gaertn.) under rainfed conditions of Jammu. *International Research Journal Agricultural Economics & Statistics*, 8 (2) : 418-421.
9. Sinha, B.K., **Iqbal, M.** and Reena. 2016. Drought stress affecting physio-biochemical characters and yield attributes in Wheat (*Triticum aestivum* L.). *Annals of Agricultural Research New Series*, 37(4): 363-368.
10. Ahmed. N., Singh, J., **Mudasir.**, Malik., Kour, H., Gupta, P. and Chauhan, H. 2013. Naturally Occurring Preservatives in Food and their Role in Food Preservation. *International Journal of Pharmaceutical & Biological Archives*, 4(1):22-30.
11. **Iqbal, M.** Wali, V. K. Bakshi, P., Kour, K., Razdan, V. K., Sinha, B. K. and Sood, K. K. 2019. *In vitro* Propagation of Citrus Species through Callus Induction and Regeneration: A Review. *International Journal of Current Microbiology and Applied Sciences*, 8(10): 2282-2295.
12. **Iqbal, M.**, Bakshi, P., Kour, K., Sinha, BK and Iqbal, M. 2021. Effect of different growth regulators on in vitro regeneration of cotyledon explants of rough lemon (*Citrus jambhiri* Lush.) via callus induction. *International Journal of Chemical Studies*, 9(1): 1853-1859.
13. **Iqbal, M.**, Bakshi, P., Sinha, B. K., Iqbal, M., & Devi, A. (2020). Effect of Alkylating Mutagens on Rooting Response and Callus Age on Shoot Regeneration of Rough Lemon (*Citrus Jambhiri* Lush.). *Current Journal of Applied Science and Technology*, 39(48), 1-10. <https://doi.org/10.9734/cjast/2020/v39i4831191>
14. **Iqbal, M.**, Bakshi, P., Kour, K., Sinha, BK and Devi, A. 2021. Innovation in Growth and Development of Fruit Plants Affected by Ecophysiology: A Review. *International Journal of Current Microbiology and Applied Sciences*. Ref #: 202102002– IJCMAS Date: 22-01-2021.
15. Arti Devi, Parshant Bakshi, R.K. Samnotra, Vikas Sharma, A.K. Mondal, Kiran Kour, Nimal Sharma, Mudasir Iqbal and Gurwinder Singh 2021. DRIS indices as nutritional guide for aonla cultivation. *Indian J. Hort.* 78(1), March 2021: 66-77

Book Chapters:

1. Heer, A., Gupta, M. and **Iqbal, M.** 2018. A Novel Technique to Design Proteins (Protein Engineering): A Review, pp. 197-211. In Singh, K.K. and Singh, S.P. (eds.). *Innovative Agriculture and Botany*, Victorious Publishers (India).
2. **Iqbal, M.** and Singh, K.K. 2018. Propagation of Temperate Fruit Crops, pp. 119-135. In Singh,

K.K. and Singh, S.P. (eds.). Innovative Agriculture and Botany, Victorious Publishers (India).

3. Bakshi, P, **Iqbal, M.** and Kour, K. 2018. Transforming rural India with modern fruit production technologies, pp 389-401. In Ahamad, S. and Sharma, J. P. (eds.). Transformation of Indian Agriculture through innovative technologies, Astral International Pvt. Ltd., New Delhi.

4. Bakshi, P., Singh, M., Kour, K., **Iqbal, M.**, & Kumar, R. (2022). Horticulture: A Key for Sustainable Development. In *Innovative Approaches for Sustainable Development* (pp. 169-190). Springer, Cham.

Books:

1. Bakshi, P., Ayaz, M. and **Iqbal, M.** 2014. Apple scab (*Venturia inaequalis*) understanding and treatment for better management. Shree infomedia publications Pvt. Ltd., Nanak Nagar Jammu.

2. **Iqbal, M.**, Bakshi, P. and Wali, V. K. 2016. Mulching in Aonla. Lambert Acedemic Publicati

Abstracts in Conference proceedings:

1. **Iqbal, M.**, Wali, V.K., Bakshi, P., Sharma, N. and Kumar, R. 2015. Innovation in Growth and Development of Fruit Plants Affected by Ecophysiology. In *National Conference on Temperate Fruits and Nuts*. Nov. 6-9, 2015. CITH, Srinagar (J&K) PP : 236-237.
2. **Iqbal, M.**, Bakshi, P., Wali, V.K., Bhat, D.J. and Sharma, A. 2015. Climate Resilience in Fruit Crops. In *National Seminar on Technology and Management of Micro irrigation in Floriculture*. Mar. 19-20, 2015. Chatha, SKUAST Jammu PP: 161.
3. **Iqbal, M.**, Wali, V.K., Bakshi, P., Bhat, D.J., Jasrotia, A. and Shah, R. A. 2017. Bioinformatics in Horticulture. In *19th Annual National Conference of Statistics and Informatics in Agricultural and Allied Sciences*. Mar. 06-08, 2017. Chatha SKUAST Jammu PP: 120.
4. **Iqbal, M.**, Bakshi, P., Wali, V.K., Iqbal, M. and Kour, D. 2017. Benefit Cost ratio of different mulching materials on Aonla (*Embllica officinalis* Gaertn.) under rainfed conditions of Jammu. In *Compendium impact of agricultural technologies in enhancing growth and income of Maharashtra Society of Agricultural Economics*. Oct. 23-24, 2017. Chatha SKUAST Jammu PP: 124.
5. Kour, D., Sharma, A., Wali, V.K., Bakshi, P., Bhandari, A., Kour, S and **Iqbal, M.** 2017. Water management in Litchi. In *Compendium impact of agricultural technologies in enhancing growth and income of Maharashtra Society of Agricultural Economics*. Oct. 23-24, 2017. Chatha SKUAST Jammu PP: 129-130.
6. **Iqbal, M.**, Wali, V.K., Bakshi, P., Sharma, A., Bhat, D.J. and Kour, D. 2017. Prospectus and achievements of transgenic fruits. In international conference on recent trends in bioinformatics and biotechnology for sustainable development of society for bioinformatics and biological sciences. Oct. 12-13, 2017. SKUAST Jammu PP: 73-74.
7. **Iqbal, M.**, Wali, V.K., Bakshi, P., Sharma, A., Kour, K. and Sharma, N. 2017. Mitigation of environmental threats in fruit crops. In *international conference on recent trends in bioinformatics and biotechnology for sustainable development of society for bioinformatics and biological sciences*. Oct. 12-13, 2017. SKUAST Jammu PP: 177-178.
8. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Sharma, N. and Kour, D. 2018. Management and Mitigation Strategies of Fruit Orchards Under Climate Change. In National Conference on Innovative Technological Interventions for Doubling Farmer's Income of Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES). February 08-10, 2018, SKUAST Jammu PP: 29.
9. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Sharma, A. and Jasrotia, A. 2018. Plant Tissue Culture: A Promising Tool of Quality Plant Material Production. In *National Conference on Innovative Technological Interventions for Doubling Farmer's Income of Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES)*. February 08-10, 2018, SKUAST Jammu PP: 29-30

10. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Kour, K. and Bhat, D.J. 2018. Hi-Tech Horticulture a Novel Technology to Double the Farmers Income. In *National Conference on Innovative Technological Interventions for Doubling Farmer's Income of Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences* (SIDAVES). February 08-10, 2018, SKUAST Jammu PP: 31.
11. Kour, D., Wali, V.K., Sharma, N., Bakshi, P., Sharma, A., **Iqbal, M.** and Kour, S. 2018. Climate Change Effects and Adaption in Fruit Crops. In *National Conference on Innovative Technological Interventions for Doubling Farmer's Income of Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences* (SIDAVES). February 08-10, 2018, SKUAST Jammu PP: 38-39.
12. Iqbal, M., Razdan, V.K., Sigh, R., Singh, S.K. and **Iqbal, M.** 2018. Novel Approaches for Disease Diagnosis. In *National Conference on Innovative Technological Interventions for Doubling Farmer's Income of Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences* (SIDAVES). February 08-10, 2018, SKUAST Jammu PP: 76.
13. Arora, R. K., **Iqbal, M.**, Asima, H., Iqbal, K., Hussain, A. and Magrey, A. R. 2016. Influence of phosphorus and phosphate solubilizing bacteria to physic-chemical soil characteristics of wheat (*Triticum aestivum* L.). In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society : International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 666.
14. Ahmad, M.A., **Iqbal, M.**, Bakshi, P., Bakshi, M., Hussain, A. and Iqbal, K. 2016. Characterization of five different apple cultivars for apple cheese preparation. In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society : International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 400.
15. Bhat, D. J., Wali, V. K., Bakshi, P., Sharma, N., Jasrotia, A., Sharma, A., Lamo, K. and **Iqbal, M.** 2016. Performance of different fruit crops on raised soil containers under high ground water condition. In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society : International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 385.
16. **Iqbal, M.**, Bakshi, P. Wali, V.K., Sharma, N., Sharma, A., Kour, K. and Devi, A. 2016. Response of Aonla (*Emblica officinalis* Gaertn.) cv. NA-7 to orchard floor management under subtropical rainfed conditions of Jammu. In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society : International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 370.

17. Devi, A., Sharma, N., Wali, V.K., Bakshi, P., Sharma, A. and **Iqbal, M.** 2016. Effect of plant growth regulators on yield and shelf life of Kinnow Mandarin (*Citrus reticulata* Blanco.). In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society: International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 368.
18. **Iqbal, M.**, Bakshi, P., Wali, V.K., Jasrotia, A. and Bhat, D.J. 2016. Influence of different mulching materials on conservation of soil moisture in Aonla (*Emblica officinalis* Gaertn.) cv. NA-7 under subtropical rainfed conditions of Jammu. In *Natural Resource Management Ecological Perspectives Proceeding of the Indian Ecological Society: International Conference*. Feb. 18-20, 2016. SKUAST Jammu PP: 357.
19. Arora, R. K., Singh, B., Bhat, A.K., Bakshi, P., **Iqbal, M.** and Shah, T.I. 2015. Response of Wheat (*Triticum aestivum* L.) to Phosphorus and Phosphate Solubilizing Bacteria, pp 151-152. In Vijay, K. Razdan, Singh, B., Sharma, V., Singh, R. and Singh, M. (Eds.). 2015. Technological Innovations, Opportunities and Challenges for Sustainable Rainfed Agriculture for Food and Livelihood Security, 4th Jammu & Kashmir Agricultural Science Congress, 28-30 October, 2015, SKUAST-J, Catha, Jammu, India.
20. **Iqbal, M.**, Bakshi, P., Wali, V.K., Bhat, D. J. and Sharma, N. 2015. Mineral Nutrition of Olive Under Rainfed Conditions of Jammu, pp 219. In Vijay, K. Razdan, Singh, B., Sharma, V., Singh, R. and Singh, M. (Eds.). 2015. Technological Innovations, Opportunities and Challenges for Sustainable Rainfed Agriculture for Food and Livelihood Security, 4th Jammu & Kashmir Agricultural Science Congress, 28-30 October, 2015, SKUAST-J, Catha, Jammu, India.
21. Hussain, A., Iqbal, K., Aziem, S., **Iqbal, M.** and Negi, A.K. 2015. The science of growing crops without soil (soilless culture)- A Novel Alternative for Growing Crops, pp. 237-238. In Vijay, K. Razdan, Singh, B., Sharma, V., Singh, R. and Singh, M. (Eds.). 2015. Technological Innovations, Opportunities and Challenges for Sustainable Rainfed Agriculture for Food and Livelihood Security, 4th Jammu & Kashmir Agricultural Science Congress, 28-30 October, 2015, SKUAST-J, Catha, Jammu, India.
22. **Iqbal, M.**, Bakshi, P., Wali, V.K., Jasrotia, A. and Bhat, D. J. 2015. Effect of mulching materials on tree growth, yield and fruit quality of Aonla (*Emblica officinalis* Gaertn.) cv. NA-7 under subtropical rainfed conditions of Jammu, pp. 288. In Vijay, K. Razdan, Singh, B., Sharma, V., Singh, R. and Singh, M. (Eds.). 2015. Technological Innovations, Opportunities and Challenges for Sustainable Rainfed Agriculture for Food and Livelihood Security, 4th Jammu & Kashmir Agricultural Science Congress, 28-30 October, 2015, SKUAST-J, Catha, Jammu, India.
23. Sinha, B.K., **Iqbal, M.**, Wali, A., Choudhary, T. and Sharma, D. 2015. Water stress affecting physiomorphological characters and yield attributes in wheat (*Triticum aestivum* L.), pp 301-302. In Vijay, K. Razdan, Singh, B., Sharma, V., Singh, R. and Singh, M. (Eds.). 2015. Technological Innovations, Opportunities and Challenges for Sustainable Rainfed Agriculture for Food and Livelihood Security, 4th Jammu & Kashmir Agricultural Science Congress, 28-30 October, 2015, SKUAST-J, Catha, Jammu, India.

24. **Iqbal, M.**, Wali, V.K., Razdan, V.K., Bakshi, P., Iqbal, M. and Kour, D. 2017. Citrus phytophthora: management and challenges pp. 67. In *National symposium on ecologically sustainable plant disease management under diversified farming situation, Indian Phytopathological Society (North Zone)*. Nov. 13-14, 2017. SKUAST-J, Catha, Jammu.
25. Kour, D., Wali, V.K., Sharma, N., Bakshi, P., Bhat, D.J., Jasrotia, A. and **Iqbal M.** 2017. Citrus Decline- Causes and Control pp. 69. In *National symposium on ecologically sustainable plant disease management under diversified farming situation, Indian Phytopathological Society (North Zone)*. Nov. 13-14, 2017. SKUAST-J, Catha, Jammu.
26. **Iqbal, M.**, Wali, V.K., Bakshi, P., Bhat, D.J., Sharma, A., Jasrotia, A., Sharma, N. and Iqbal, M. 2017. Diagnosis and Recommendation Integrated System Concept and Applications on Nutritional Diagnosis in Fruit Crops pp 75. In *National symposium on ecologically sustainable plant disease management under diversified farming situation, Indian Phytopathological Society (North Zone)*. Nov. 13-14, 2017. SKUAST-J, Catha, Jammu.
27. **Iqbal, M.**, Wali, V.K., Bakshi, P., Sharma, A., Bhat, D.J., Iqbal, M. and Sinha, B.K. 2017. Current Scenario and future prospectus of mango malformation pp. 76. In *National symposium on ecologically sustainable plant disease management under diversified farming situation, Indian Phytopathological Society (North Zone)*. Nov. 13-14, 2017. SKUAST-J, Catha, Jammu.
28. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Kour, K., Sharma, A. and Sinha, B.K. 2017. Granulation: A major threat in Citrus production pp. 93-94. In *National symposium on ecologically sustainable plant disease management under diversified farming situation, Indian Phytopathological Society (North Zone)*. Nov. 13-14, 2017. SKUAST-J, Catha, Jammu.
29. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Bhat, D. and Sharma, N. 2019. Value Chain and its Importance in Horticulture. In National Conference Women Empowerment through Agro-entrepreneurship for Livelihood Security. PP, 92.
30. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Kour, K. and Sinha, B. K. 2019. Standard Modern Technologies in Commercial Nurseries. In National Conference Women Empowerment through Agro-entrepreneurship for Livelihood Security. PP, 93-94.
31. **Iqbal, M.**, Wali, V.K., Bakshi, P., Iqbal, M., Sharma, A. and Sharma, N. 2019. Innovative Technologies in Commercial Horticulture. In National Conference Women Empowerment through Agro-entrepreneurship for Livelihood Security. PP, 93.

Popular Articles:

1. Dr. Parshant Bakshi and **Mudasir Iqbal** 2019. Dragon Fruit Plantation Guide. Krishi Sandesh.
2. Dr. Parshant Bakshi and **Mudasir Iqbal** 2019. Passion Fruit Plantation Guide. Krishi Sandesh.

Folder:

Deep ji Bhat, Wali, V.K., Jasrotia, A., Sharma, A., Nirmal, S., and **Iqbal, M.** Cultivation of Karonda, Division of Fruit Science, SKUAST-Jammu.