Muhammad Kamran Qureshi **(**PhD**)**

D.O.B.:27th September 1981
Marital state: Married
E-mail: m.k.qureshi81@gmail.com
Nationality: Pakistani

EDUCATION

PhD in Plant Molecular Biology – University of Groningen, Groningen, The Netherlands – 4 May 2012

Thesis title: "Characterization of genes involved in the regulation of programmed cell death in *Arabidopsis thaliana*".
Supervisor: Prof. Dr. Jacques Hille

My work involved the identification and characterization of novel genes involved in the regulation of programmed cell death in the model plant species *Arabidopsis thaliana*. Forward and reverse genetics were employed to unravel the mechanisms of programmed cell death induced by fungal toxins, disrupting sphingolipid metabolism, and reactive oxygen species induced by herbicides. My studies provided a genetic link between sphingolipid metabolism and reactive oxygen species during programmed cell death.

M.Sc. in Plant Breeding & Genetics – University of Agriculture, Faisalabad, Pakistan – 2006

1st Class Honours Degree

Thesis title: "Effect of drought tolerant alleles on agronomic traits using DNA polymorphic genotypes in upland Cotton".
Supervisor: Prof. Dr. Tanwir Ahmad Malik

The research work was focused on the analysis of the drought tolerant alleles using DNA polymorphic cotton genotypes and their hybrids. The effect of these alleles on agronomic traits was also studied. Some of the genotypes and their hybrids, used in the study, were genetically more diverse than others. The data presented can be useful for successful breeding and creation of new cotton cultivars.

B.Sc. in Agricultural Sciences – University of Agriculture, Faisalabad, Pakistan – 2004

1st Class Honours Degree (Major: Plant Breeding & Genetics)

EXPERIENCE

July 2023 – To date **Centre of Plant Systems Biology and Biotechnology, Plovdiv, Bulgaria**

Working as **Post-Doctoral researcher**, in the department of Molecular Stress Physiology engaged in European funded research project

May 2021 – To date (on leave**) Bahauddin Zakariya University, Multan, Pakistan**

Working as an **Associate Professor**, in the department of Plant Breeding & Genetics engaged in teaching and research

August 2012 – May 2021 **Bahauddin Zakariya University, Multan, Pakistan**

Worked as an **Assistant Professor** in the department of Plant Breeding & Genetics

September 2007 – May 2012 University of Groningen, Groningen, The Netherlands

PhD research, Groningen, The Netherlands

September 2006 – May 2007 National Institute of Biotechnology & Genetic Engineering (NIBGE), Faisalabad, Pakistan

Indigenous PhD scholar , Research title: 'Expression profiling of fibre development specific genes in cotton' (**left in favour of foreign scholarship**)

April 2004 – Jun 2004 Central Cotton Research Institute, Multan, Pakistan

Internship at the department of Cotton Biotechnology, studied cotton from various point of views especially cytogenetics and learned different molecular techniques.

PUBLICATIONS/ SYMPOSIUMS

Bibi R, Zahid N, Ijaz MU, **Qureshi M K**, Manzoor H, Minhas R, Athar HR, Anjam MS (2022) Role of trehalose on regulation of reactive oxygen species in pseudomonas syringae-tomato pathosystem. *Pak J Agric Res*. (**Submitted**)

Hassan A, Abbas M, Munir S, Shahzad AN, Rasul I, Nawaz I, Qureshi MK (2024) Mining of salt tolerant upland cotton genotypes and exploration of genetic divergence using SSR markers. (**In preparation**)

Hussain, H., Naeem, R., Khattak, B. Zia ur Rehman, Khan N, **Qureshi MK**, Deeba F, Ali I, Khan MD (2023) Physiological and metabolic changes in maize seedlings in response to Bisphenol A stress. *J Soil Sci Plant Nutr*. **23**: 6551–6572 DOI: https://doi.org/10.1007/s42729-023-01510-1. IF: 3.9

Zaheer M, Zafar ZU, Athar HU, Bano H, Amir M, Khalid A, Manzoor H, Javed M, Iqbal M, Ogbaga CC, **Qureshi MK** (2022) Mixing tannery effluent had fertilizing effect on growth, nutrient accumulation, and photosynthetic capacity of some cucurbitaceous vegetables: A little help from foe. *Environ Sci Pollut Res Int*. **DOI**: 10.1007/s11356-022-24247-3. IF: 5.19

Qureshi MK, Gawronski P, Munir S, Jindal S, Kerchev P (2022) Hydrogen peroxide-induced stress acclimation in plants. *Cell Mol Life Sci*. **79**: 129. **DOI:** https://doi.org/10.1007/s00018-022-04156-x. IF: 9.26

Ishaq MZ, Hassan, A, Munir S, Shahzad AN, Anjam MS, Bhutta MA, **Qureshi MK** (2021) Effect of heritability, genetic advance and correlation on yield contributing traits in upland cotton. *J Agric Sci* **3:** 354-360. **DOI:** 10.15832/ankutbd.686698. IF: 0.2

Munir S, **Qureshi MK**, Shahzad AN (2021) Antioxidant response of brassica plants in protection against *Alternaria brassicicola*. *Pak J Bot* **53:** 749-754. **DOI:** http://dx.doi.org/10.30848/PJB2021-2(39). IF: 0.8

Manzoor H, Anjam MS, Saeed F, Rasul S, Yousaf S, Kirn A, **Qureshi MK**, Zafar Z, Ashraf M, Athar H (2021) Photosynthetic efficiency and antioxidant defence potential are key players in inducing drought tolerance in transgenic tobacco plants over-expressing *AVP1*. *J Plant Growth Regul*. **DOI**: https://doi.org/10.1007/s00344-021-10464-6. IF: 4.64

Hassan, A, Ishaq MZ, Munir S, Abbas M, Shahzad AN, Athar H, Anjam MS, **Qureshi MK** (2021) Genetic variability and association study of yield attributing traits in F_2 populations of American cotton. *World J Microbiol Biotechnol* **6:** 21-25. **DOI:** https://dx.doi.org/10.33865/wjb.006.02.0432.

Munir S, Shahzad AN, **Qureshi MK** (2020) Acuities into tolerance mechanisms via different bioassay during *Brassicaceae-Alternaria brassicicola* interaction and its impact on yield. *PLoS ONE*. **15**: e0242545. **DOI**: https://doi.org/10.1371/journal.pone.0242545. IF: 2.74

Hasan I, Rasul S, Bukhat S, **Qureshi MK**, Aslam K, Noreen S, Anjam MS, Athar H, Manzoor H (2020) Salicylic acid supplementation alleviated the adverse effects of salinity stress in *Spinacia oleracea* by improved antioxidative defense system. *Agrochimica* **64:** 379-395. **DOI:** 10.12871/00021857202045. IF: 0.65

Malik A, Butt TA, Naqvi STA, Yousaf S, **Qureshi MK**, Zafar MI, Farooq G, Nawaz I, Iqbal M (2020) Lead resistant endophytic *Trametes hirsuta* improved the growth and lead accumulation in the vegetative parts of *Triticum aestivum* L. *Heliyon* **6**: e04188. **DOI**: https://doi.org/10.1016/j.heliyon.2020.e04188.

Shahzad AN, **Qureshi MK**, Ullah S, Latif M, Shakeel A, Bukhari SAH (2020) Exogenous trehalose improves cotton growth by modulating antioxidant defense under salinity-induced osmotic stress. *Pak J Agric Res* **33**: 270-279.

Munir S, **Qureshi MK**, Shahzad AN, Nawaz I, Anjum MS, Rasul S, Zulifqar, MA (2020) Genetic dissection of interspecific and intraspecific hybrids of cotton for morpho-yield and fiber traits using multivariate analysis. *Pak J Agric Res* **33**: 9-16.

Sujeeth N, Mehterov N, Gupta S, **Qureshi MK**, Fischer A, Proost S, Omidbakhshfard MA, Obata T, Benina M, Staykov N, Balazadeh S, Walther D, Fernie AR, Mueller-Roeber B, Hille J, Gechev TS (2020) A novel seed plants gene regulates oxidative stress tolerance in *Arabidopsis thaliana*. *Cell Mol Life Sci*.**77**: 705-718. **DOI:** 10.1007/s00018-019-03202-5. IF: 7.01

Shahzad AN, **Qureshi MK**, Wakeel A, Misselbrook T (2019) Crop production in Pakistan and low nitrogen use efficiencies. *Nat Sustain* **2:**1106-1114. **DOI**: 10.1038/s41893-019-0429-5. IF: 12.08

Hasan I, Rasul S, Malik TH, **Qureshi MK**, Aslam K, Shabir G, Athar H, Manzoor H (2019) Present status of cotton leaf curl virus disease (clcuvd): a major threat to cotton production. *Int J Cotton Res Tech*. **1**: 1-13. **DOI**: https://doi.org/10.33865/IJCRT.001.01.0240.

Shahzad AN, Rizwan M, Asghar MG, **Qureshi MK**, Bukhari SAH, Kiran A, Wakeel A (2019) Early maturing *Bt* cotton requires more potassium fertilizer under water stress to augment seed-cotton yield but not lint quality. *Sci Rep* **9:**73-78. **DOI:** 10.1038/s41598-019-43563-2. IF: 4.12

Bhutta MA, Munir S, **Qureshi MK**, Shahzad AN, Aslam K, Manzoor H, Shabir G (2019) Correlation and path analysis of morphological parameters contributing to yield in rice (*Oryza sativa*) under drought stress. *Pak J Bot* **51:** 73-80. **DOI:** 10.30848/PJB2019-1(28). IF: 0.75

Ahmad F, Iqbal N, Zaka SM, **Qureshi MK**, Saeed Q, Khan KA, Ghramh HA, Ansari MJ, Jaleel W, Aasim M, Awar MB (2019) Comparative insecticidal activity of different plant materials from six common plant species against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *Saudi J Biol Sci* **26:**1804-1808. **DOI:** org/10.1016/j.sjbs.2018.02.018. IF: 2.82

Nouman W, Olson ME, Gull T, Zubair M, Basra SMA, **Qureshi MK**, Sultan MT, Shaheen M (2018) Drought affects size, nutritional quality, antioxidant activities and phenolic acids pattern of *Moringa oleifera* Lam. *J Appl Bot Food Qual* **91:** 79-87. **DOI:** 10.5073/JABFQ.2018.091.011. IF: 1.20

Petrov V, **Qureshi MK**, Hille J, Gechev T (2018) Occurrence, biochemistry and biological effects of host-selective plant mycotoxins. *Food Chem Toxicol* **112:** 251-264. **DOI:** 10.1016/j.fct.2017.12.047. IF: 3.8

Qureshi MK, Munir S, Shehzad AN, Rasul S, Nouman W, Aslam K (2018) Role of reactive oxygen species and contribution of new players in defense mechanism under drought stress in rice. *Int J Agric Biol* **20:** 1339-1352. **DOI:** 10.17957/IJAB/15.0640. IF: 0.74

Munir S, **Qureshi MK**, Shehzad AN, Manzoor H, Shahzad MA, Aslam K, Athar H (2018) Assessment of gene action and combining ability for fiber and yield contributing traits in interspecific and intraspecific hybrids of cotton. *Czech J Genet Plant Breed* **54:** 71-77. **DOI:** 10.17221/54/2017-CJGPB. IF: 0.53

Mahpara S, Rehmani MIA, Hussain S, Iqbal J, **Qureshi MK**, Shehzad MA, Dar JS (2017) Heterosis for some physio-morphological plant traits in spring wheat crosses. *Pure Appl Biol* **6:** 1103-1110. **DOI:** org/10.19045/bspab.2017.600118.

Shahzad AN, Fatima A, Sarwar N, Bashir S, Rizwan M, Qayyum MF, **Qureshi MK**, Javaid MH, Ahmad S (2017) Foliar application of potassium sulfate partially alleviates pre-anthesis drought-induced kernel abortion in maize. *Int J Agric Biol* **19:** 495-501. **DOI:** 10.17957/IJAB/15.0317. IF: 0.902

Munir S, Hussain SB, Manzoor H, **Qureshi MK**, Zubair M, Nouman W, Shehzad AN, Rasul S, Manzoor SA (2016) Heterosis and correlation in interspecific and intraspecific hybrids of cotton. *Genet Mol Res* **15:** gmr.15028083. **DOI:** 10.4238/gmr.15028083. IF: 0.775

Shehzad M, Hussain SB, **Qureshi MK**, Akbar M, Javed M, Imran HM, Manzoor SA (2015) Diallel cross analysis of plesiomorphic traits in *Triticum aestivum* L. genotypes. *Genet Mol Res* **14:** 13485-13495. **DOI:**10.4238/2015.October.28.9. IF: 0.775

Ali H, Hasnain Z, Shahzad AN, Sarwar N, **Qureshi MK**, Khaliq S, Qayyum MF (2014) Nitrogen and zinc interaction improves yield and quality of submerged basmati rice (*Oryza sativa* L.). *Not Bot Horti Agrobo* **42:** 372-379. **DOI:** 10.1583/nbha4229269. IF: 0.547

Qureshi MK, Sujeeth N, Gechev TS, Hille J (2013) The zinc finger protein ZAT11 modulates paraquat-induced programmed cell death in *Arabidopsis thaliana*. *Acta Physiol Plant* **35:** 1863-1871. **DOI:**10.1007/s11738-013-1224-y. IF: 1.58

Qureshi MK, Radeva V, Genkov T, Minkov I, Hille J, Gechev TS (2010) Isolation and characterization of *Arabidopsis* mutants with enhanced tolerance to oxidative stress. *Acta Physiol Plant* **33:** 375-382. **DOI:** 10.1007/s11738-010-0556-0. IF: 1.58

Gechev TS, Ferwerda MA, Mehterov N, Laloi C, **Qureshi MK**, Hille J (2008) *Arabidopsis* AAL-toxin-resistant mutant *atr1* shows enhanced tolerance to programmed cell death induced by reactive oxygen species. *Biochem Biophys Res Commun* **375:** 539-544. **DOI:** 10.1016/j.bbrc.2008.08.056. IF: 2.297

Qureshi MK, Malik TA, Seyal MT, Ashraf M (2006) Hybrid identification by DNA markers in cotton. *International Symposium on Sustainable Crop Improvement and Integrated Management*. September 14−16 **pp:** 203-207.

Seyal MT, Malik TA, **Qureshi MK**, Ashraf M (2006) Linkage of drought tolerant and agronomic traits in upland cotton using DNA polymorphic genotypes. *International Symposium on Sustainable Crop Improvement and Integrated Management.* September 14−16 **pp:** 178-184.

BOOK CHAPTERS

Hassan A, Shahzad AN, **Qureshi MK** (2022) Rice production and crop improvement through breeding and biotechnology. In N. Sarwar, Atique-ur-Rehman, S. Ahmad, M. Hasanuzzaman (ed.) Modern Techniques of Rice Crop Production. Springer Nature, Singapore **pp:** 605-627.

Nouman W, **Qureshi MK**, Shaheen M, Zubair M (2018) Variation in Plant Bioactive compounds and antioxidant activities under salt stress. In: S. Vats (ed.) Biotic and Abiotic Stress Tolerance in Plants. Springer Nature, Singapore **pp:** 77-101.

Manzoor H, Athar H, Rasul S, Kanwal T, **Qureshi MK**, Bashir N, Zafar Z, Ali M, Ashraf M (2015) Avenues for improving drought tolerance in crops by ABA regulation: Molecular and physiological basis. In: P. Ahmad (ed.) Physiological Mechanisms and Adaptation Strategies in Plants under Changing Environment, vol 1. John Wiley & Sons, UK **pp:** 177-193.

Gechev T, Ferwerda M, Mehterov N, Radeva V, Denev I, **Qureshi K**, Laloi C, Toneva V, Minkov I, Hille J (2009) Mutational analysis to dissect oxidative and abiotic stress in *Arabidopsis thaliana.* In:Q.Y. Shu (ed.) Induced Plant Mutations in the Genomics Era. Food and Agriculture Organization (FAO) of the United Nations (UN) **pp:** 147-150.

PROJECTS

1) **"Evaluation of rice genotypes for genetic behavior and reactive oxygen species accumulation under drought stress conditions"** research project amount PRs. 0.5 million, HEC-IPFP startup research grant

2) **"Assessment of rapeseed/mustard genotypes for endogenous reactive oxygen species under water deficit conditions"** research project amount PRs. 0.0969 million, BZU research grant

3) **"Biofortification of chickpea for high Iron and Zinc: An integrated approach"** research project amount PRs. 5.726 million, HEC-NRPU research grant

4) **"Identification and manipulation of gene(s) in rapeseed/mustard for resistance against *Alternaria brassicicola*"** research project amount PRs. 5.614 million, HEC-NRPU research grant

5) **"Breeding of rapeseed/mustard genotypes previously screened for water deficit conditions"** research project amount PRs. 0.175 million, BZU research grant

6) **"Rice genotypes screening for reactive oxygen species accumulation under drought stress"** research project amount PRs. 0.158 million, BZU research grant

7) **"Evaluation of growth and antioxidant enzymes in brassica genotypes subjected to salinity stress"** research project amount PRs. 0.200 million, BZU research grant

8) **"Study of yield comparison and marker assisted genetic diversity among oilseed Brassica"** research project amount PRs. 0.350 million, BZU research grant

9) **"The plant specific gene *ATR7* regulates abiotic and oxidative stress tolerance in vegetable crops"** research project, amount 0.120 million BGN funded by National Science Fund, Bulgaria

EDITOR IN SCIENTIFIC JOURNALS

- Managing editor – Pak-Euro Journal of Medical and Life Sciences (PJMLS)

URL: https://readersinsight.net/PJMLS/about/editorialTeam

REVIEWER IN SCIENTIFIC JOURNALS

- Frontiers in Plant Science
- PLoS ONE
- Journal of Environmental and Agricultural Sciences
- Journal of Experimental Biology and Agricultural Science
- International Journal of Agriculture and Biology
- International Journal of Agriculture and Applied Sciences
- Archives of Agronomy and Soil Science
- Journal Genetika
- International Journal of Plant Breeding and Crop Science

MEMBER OF SCIENTIFIC SOCIETIES

- Pakistan Botanical Society
- Pakistan Agricultural Scientists Forum

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED/PRESENTED

- **Poster presentation** in 2nd International Conference on Plant Systems Biology and Biotechnology held on 25-27 September, 2023 at Plovdiv, Bulgaria
- **Invited Speaker** in 1st National Conference on Biology held on 19th May, 2022 organized by the department of Biotechnology and Genetic Engineering, Kohat University of Science and Technology, Kohat, Pakistan
- **Online poster presentation** in International Conference on Plant Systems Biology and Biotechnology held on 14-17 June, 2021 at Golden Sands Resort, Bulgaria
- **Oral Presentation** in 1st International Hybrid Mode Conference on Emerging Innovative Research Trends in Biology held on 11-12 August, 2021 at the department of Biotechnology and Genetic Engineering, Kohat University of Science and Technology, Kohat
- Participated in International Webinar on Sustainable Nitrogen Management and Food Security held on 8th December, 2021 at the University of Agriculture, Faisalabad
- Participated in the 13th International Biennial Conference organized by Pakistan Society for Microbiology on 22-24 December, 2021 held at the department of Microbiology, GC University, Faisalabad
- **Chairing the Session** for '1st International Conference on Sustainable Agriculture: Food Security under Changing Climate Scenarios' held at Ghazi University, Dera Ghazi Khan/ Bahauddin Zakariya University, Multan, Pakistan, 3rd – 5th April, 2019
- **Organizing Member** of '2ndSino-Pak International Conference on Innovations in Cotton Breeding & Biotechnology' held at Bahauddin Zakariya University, Multan, Pakistan, 26th– 27th November, 2018
- Participated in 'International Seminar on Biochar Use in Changing Climate', organized by Department of Soil Science and Department of Agronomy, Bahauddin Zakariya University, Multan and Muhammad Nawaz Shareef University of Agriculture, Multan, held on October 05, 2018
- **Organizing Member** of 'Sino-Pak International Conference on Innovations in Cotton Breeding & Biotechnology' held at Muhammad Nawaz Shareef University of Agriculture, Multan, Pakistan, 22nd – 24th November, 2017
- **Oral Presentation** in Plant Innovation Workshop in Plovdiv, Bulgaria, September 28th – 30th, 2017, Centre of Plant Systems Biology and Biotechnology, Plovdiv, Bulgaria, Title: An overview of research status in Pakistan – From plant perspective
- One day International workshop on, 'Application of Computational Biology in Biotechnology', held on July 31st, 2017, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan

- **Oral Presentation** in 6th International and 15th National conference on Dynamic Trends in Plant Sciences: Fostering Environment-2017, May 09-11, 2017, Sardar Bahadur Khan University, Quetta, Title: Correlation and path analysis of morphological parameters contributing to yield in rice (*Oryza sativa*) under drought stress
- Zahra M, Rasul S, **Qureshi MK**, Athar H, Iqbal R, Baber M and Manzoor H. Salicylic Acid: A Protective Phytohormone Conferring Heat Tolerance In Barley. (Oral Communication: 4th International Conference on Global Environmental Changes, 4-5, May 2017, Government College University, Faisalabad, Pakistan)
- One day Seminar on 'Wheat Production Challenges in Pakistan under Changing Climate' organized by Department of Agronomy, Faculty of Agricultural Sciences & Technology, Bahauddin Zakariya University, Multan, Pakistan, 07th March, 2017
- Workshop on 'Generalized Linear Mixed Models for Agricultural Sciences' organized by Department of Entomology, Faculty of Agricultural Sciences & Technology, Bahauddin Zakariya University, Multan, Pakistan, 25th February, 2017
- 3rd International Conference on Biotechnology Challenges and Opportunities in Pakistan organized by University of South Asia, Lahore, Pakistan, 8th – 9th February, 2017
- Training Workshop on 'DISCovering Yourself & Others' organized by Directorate of Quality Enhancement & Department of Agronomy, Bahauddin Zakariya University, Multan, 6th May, 2016
- Workshop on "Basic Bioinformatics'' at Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, 19th – 21st April, 2016
- Workshop on 'Data Clinic: An Introduction to R' organized by Department of Statistics, Bahauddin Zakariya University, Multan, November 23rd, 2015.
- Kanwal T, Zafar Z, Athar H, Anjum MS, Rasul S, **Qureshi MK** and Manzoor H (2015). Manipulation of AtNCED3, a master switch of abscisic acid biosynthesis improved drought tolerance in tobacco: Future trends for crop drought tolerance. (Oral Communication: 3rd Conference on Life Sciences Research, 04th – 06th September, 2015, Iqra University, Islamabad, Pakistan)
- Training on 'Extension and Communication Skills' organized by ASLP Mango Production Project, Australian Aid, held at Bahauddin Zakariya University, Multan, August 29, 2015
- Participation in 'Biosafety Training Workshop for Young Scientists' held at Muhammad Nawaz Shareef University, Multan, Pakistan, May 14, 2015
- National Symposium on 'Plant Stresses and Human Life' organized by Department of Botany, G. C. University Faisalabad, Layyah Campus, February 16th, 2015
- Training workshop on 'Irrigation management training workshop', organized at Bahauddin Zakariya University, Multan by NSW department of primary industries, Australia, April 09, 2014
- Participation in 'Aliv Expo 2014 Conference on Food Security Challenges', organized by Agriculture Reform Movement with collaboration with Bahauddin Zakariya University, Multan, March 31st, April 01 – 02, 2014
- Workshop on 'Modern Corn Technologies', organized by Monasanto Pakistan (Pvt.) Ltd. and Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, August 20, 2013
- Two days Workshop on 'Simulation Modeling: A decision support system for Agro-technology transfer for improving the standards of research', organized by Department of Agronomy, Faculty of Agricultural Sciences and Technology, Multan, March 04 – 05, 2013
- Poster at GBB symposium, September 09, 2011, University of Groningen, The Netherlands, Title: Characterization of genes involved in the regulation of Programmed Cell Death in *Arabidopsis thaliana*
- EMBN Workshop on Membrane Proteins and Proteomics (27th to 31st January, 2008, University of Groningen, The Netherlands)
- Poster at ALW Discussie Platform Experimentele Planten Wetenschappen (EPW) (19 and 20 April 2010, Lunteren, The Netherlands)
  Title: Characterization of Phoenix mutants in *Arabidopsis thaliana*

PERSONAL SKILLS / ACHIEVEMENTS

Leadership and Organisational Skills:

- Laboratory manager during my PhD studies – training new students on instruments, in charge of the general up-keep of the lab, solving general concerns and problems within the group.
- Demonstrating qPCR analysis, map-based cloning etc. to undergraduate and graduate students in the laboratories during M.Sc. and PhD studies.

Team Work:
- Ability to work well individually and as part of a team, for example in the mixing with a large international and multidisciplinary team of researchers of all levels in Groningen.

Communicational Skills:
- I have excellent oral and reasonable written communication skills, through delivering presentations and through writing reports and publications.

Courses taken during PhD studies:
- Molecular Biology of Fungi and Plants
- Radiation Protection Course (Level 5B)
- GBB introduction course
- Dynamic Presentation Course
- Dutch Language Course (Level 1)

PRACTICAL SKILLS

Computer Literate:
- Expertise in MS Word, Excel and PowerPoint, refworks and research databases.

Analytical Skills:
- Highly developed research and analytical skills gained through various projects and lab work.

INTERESTS AND HOBBIES

Sports, planting, cooking

REFERENCES

Jacques Hille (PhD)
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