

MEHER HASSAN

Curriculum Vitae

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Date of Birth: 20th- 09-1988

Google scholar: https://scholar.google.com.pk/citations?user=uL_-lVIAAAAJ&hl=en

Researchgate: https://www.researchgate.net/profile/Meher_Hassan?ev=hdr_xprf



EDUCATION

2019	Ph.D. (Genetics) University of Karachi, Pakistan
2010	M.Sc. (Genetics) University of Karachi, Pakistan
2008	B.Sc. (Pass) University of Karachi, Pakistan
2006	F.Sc. (Pre-medical) Board of intermediate education Karachi, Pakistan
2004	Matric (Science) Board of secondary education Karachi, Pakistan

HONORS & AWARDS

Awarded **Erasmus Mundus Europe Asia Scholarship** for Ph.D. research at University of Milan, Italy in lab of Prof. Gian Attilio Sacchi (October 2013-December 2014)

COMPUTER SKILLS

Microsoft Office (Word, Excel, PowerPoint)

Applied Statistics (SPSS)

Turnitin

Endnote

RESEARCH INTERESTS

Affiliated to Plant research lab (**Department of Genetics, University of Karachi**) since January 2010. I have been working on stress physiology of plant and remedial techniques to alleviate phytotoxicity in plants by heavy metals.

Research experience on; plant agronomic, physiological, biochemical, enzymatic (**UV Spectrophotometer**) and cytological studies (**Compound Microscope**) during my master's

and doctoral studies. Optimizing **RAPD-PCR** for analyzing toxicity caused by metals in mung bean & wheat.

During my stay in Italy, I was involved in the screening of cadmium tolerant and sensitive genotypes by ionomic analysis using **Inductively Coupled Plasma Mass Spectrophotometer** in rice and mung bean and work on molecular techniques (**RT-PCR**) for the identification of Cd tolerant genes in rice.

PUBLICATIONS

Hani U, Mansoor S, Hassan M, Farheen J. 2020. Genotoxicity of heavy metals on mung bean (*Vigna radiata*) seedlings and its alleviation by priming with their lower concentrations published in *Cytologia* 85(3): 239–244

Hassan M and S Mansoor. 2017. Priming seeds with phytohormones alleviates cadmium toxicity in mung bean (*Vigna radiata* L. Wilczek) seedlings. *Pakistan Journal of Botany*. 49: 2071-2078

Hassan M and S Mansoor. 2014. Oxidative stress and antioxidant defense mechanism in mung bean seedlings after lead and cadmium treatments. *Turkish Journal of Agriculture and Forestry*. 38: 55-61

***Other two papers are submitted in cytologia and Brazilian journal of Botany.**

CONFERENCE PRESENTATIONS

Poster presentation “Clastogenic effect of cadmium on *vigna radiata* root tips and its mitigation by priming with phytohormones & proline” in national conference on G3D at the Department of Genetics, UoK (December 18-19, 2019) Participation in 14th Eurasia international conference on chemical sciences at ICCBS, UoK (December 15–18, 2016)

Poster presentation “Alleviation of oxidative stress by the pretreatment of phytohormones in mung bean seedlings” in 4th international conference on Environmental horizon valuing and conserving nature at the Department of Chemistry and ICCBS, UoK (January 8-10, 2016)

Seminar Presentation at the Department of Physiology, UoK (November 4, 2008)

WORKSHOPS & SEMINARS

Successfully completed one month National Faculty Development Programme training 2020 conducted by National Academy of Higher Education (NAHE) during 8 June- 4 July 2020.

Attended workshop on **DNA sequencing** in Department of Molecular Genetics & Genomics, NIBD, Karachi (September 28-29, 2018)

Attended workshop on **Research Tools & Techniques, SPSS & Research Methodology** jointly organized by PASTIC, PSF & JSMU Karachi (May 2-4, 2017)

Participation in **14th Eurasia international conference on chemical sciences at ICCBS, UoK** (December 15–18, 2016)

Attended workshop on **Thesis Formatting Technique** organized by (ORIC) at the Department of Public Administration, UoK (October 27, 2016)

Attended seminar on **Science& Society- Science Communication & Public Engagement** held at LEJ jointly organized by PABIC & ICCBS, UoK (October 19, 2016)

Workshop on **Turnitin Software** held at the Department of Genetics, UoK (April 13, 2016)

Attended **14th National Research Training Course on Modern Techniques in Biotechnology** at National Institute of Biotechnology & Genetic Engineering (NIBGE), Faisalabad (April 18-22, 2016)

Attended workshop on **Scientific Writing** held at L.E.J under the Virtual Education Project, Pakistan (January 23, 2013)

Attended workshop on **Biochemical techniques** held at L.E.J under the Virtual Education Project, Pakistan (January 2, 2013)

Online skill development course English **for University Success** (Jan-March 2012)

Attended workshop on **How to Write a Winning Scientific Research Proposal** organized at L.E.J under the Virtual Education Project and HEC, Pakistan (September 24, 2011)

Seminar Presentation at the **Department of Physiology, UoK** (November 4, 2008)

REFERENCES

Dr. Simeen Mansoor
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Dr. Nadia Khan
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University of Karachi, Pakistan.
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