

Dr. MUHAMMAD LUQMAN

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Lahore, Pakistan
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Curriculum Vitae

Qualification

PhD, 2016, Session 2008-11
(Environmental Science)
Sustainable Development Study Centre (SDSC), GC University, Lahore

M.Phil. 2006
(Marine Biology)
Centre of Excellence in Marine Biology (CEMB), University of Karachi

M.Sc. 2000
(Botany)
FC College, University of the Punjab, Lahore

Experience

Assistant Professor **April 2019 to Date**
Department of Environmental sciences, University of Veterinary and Animal sciences (UVAS),
Main Campus, Outfall Road, Lahore

Consultant **Nov 2017 to March 2019**
Various National and International Companies
EIA, Water projects related feasibility studies, filtration technologies, design criteria, gap analysis,
BOQs

Assistant Professor **December 2012 to October 2017**
Department of Environmental science (July 2016 – Oct 2017), Department of Microbiology (Dec
2012 - July 2016), Faculty of Life Sciences and Informatics, Balochistan University of
Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Pakistan

Chairman **June 2013 to October 2017**
Department of Microbiology (June 2013 – July 2016) and Department of Environmental Science
(July 2016 – Oct 2017), Faculty of Life Sciences and Informatics, Balochistan University of
Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Pakistan

Lecturer

July 2012 to December 2012

Department of Microbiology, Faculty of Life Sciences and Informatics, Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Pakistan

Analyst

August 2007 to July 2012

UNDP-Pakistan, Soil Fertility Research Institute (SFRI), Soil and Water Testing Laboratories for Research, Thokar Niaz Baig Lahore

Product Analyst/Project Manager

2005 to 2007

Karcher-Germany / KKPower (Pvt) Ltd. Y-Block, DHA, Lahore
Karcher drinking water division head and Project manager for CDWI and CDWA projects

Research Thesis

1. Studies on Environmental causes of Lung Cancer (PhD)

Sustainable development study center (SDSC), GC University, Lahore.

Characterization of Environmental, Social and Genetic Factors Causing lung cancer in Pakistan, a quantitative and qualitative study

2. Studies on Marine phytoplankton (M.Phil)

Centre of Excellence in Marine Biology, University of Karachi, Karachi

Impacts of environmental factors (temperature, rain fall, salinity) on distribution and abundance of diatoms in coastal waters of Karachi in the Arabian Sea

3. Studies on Freshwater hyphomycetes (M.Sc)

Mycology Laboratory, University of the Punjab, Lahore

Ecological Studies of Aquatic hyphomycetes in the River Ravi, Lahore

Publications

1. Firdaus-e-Bareen and **Muhammad Luqman***. Freshwater hyphomycetes Spora of the River Ravi. *Mycopath*, 2003, 1(2): 171-177.
2. **Muhammad Luqman***, Muhammad Mohsin Javed, Jamil Ahmad and Amin-ul-Haq Khan., An Overview of Sustainable Techniques used for Arsenic Removal from Drinking Water in Rural Areas of the Indo-Pak Subcontinent, *Soil Environ.* 32(2): 87-95, 2013.
3. **Muhammad Luqman**, Muhammad Mohsin Javed, Asma Yusafzai, Muhammad Saeed and Jamil Ahmad, Furqana Chaghtai, Blooms of Pollution Indicator Micro-alga (*Synedra acus*) in Northern Arabian Sea along Karachi, Pakistan., *Indian journal of marine sciences*, Sep 2015, 14 (9): 1377- 1381.
4. **Muhammad Luqman**, Muhammad Mohsin Javed, Shahjahan shabbier Ahmed, Asma Yousafzai, Sara Naudhani, Agha Muhammad Raza and Muhammad saeed, Adaptable Technologies of Arsenic Removal from drinking water for arsenic hit areas of Pakistan, *J. Appl. Emerg. Sci*, 6 (1): 43-48, 2016.
5. Abdul Hameed Baloch, Shakeela Daud, Nafeesa Raheem, **Muhammad Luqman**, Adeel

Ahmad, Abdul Rehman, Jameela Shuja, Saeeda Rasheed, Akhtar Ali, Naseebullah Kakar, Hafiz Khush Naseeb, Mohammad Alam Mengal, Muhammad Arif Awan, Muhammad Wasim, Dost Mohammad Baloch, Jamil Ahmad. Missense mutations (p.H371Y, p.D438Y) in gene CHEK2 are associated with breast cancer risk in women of Balochistan origin, *Mol Biol Rep.*, 1103-1107, 2014.

6. **Muhammad Luqman***, Muhammad Mohsin Javed, Shakeela Daud, Nafeesa Raheem, Jamil Ahmad and Amin-ul-Haq Khan, Risk Factors for Lung Cancer in Pakistani Population, *Asian Pacific journal of cancer Prevention*, 15 (7): 3035-3039, 2014.
7. Muhammad Saeed, Costas A. Thanos, Agha Muhammad Raza, Muhammad Mushtaq and **Muhammad Luqman.**, Comparative Ecophysiology Of Seed Germination In Two Pairs Of Closely Related Pines Of Mediterranean And Himalayan Origins, *Pak. J. Bot.*, 48(3): 963-969, 2016.
8. Muhammad Hussain Khajjak, Agha Muhammad Raza, **Muhammad Luqman**, Asma Yousafzai, Sara Naudhani, Ghazala ali and Muhammad saeed, Evaluation of Seed viability of *Juniperus excels* (M. Bieb.) found in Balochistan, Pakistan by Tetrazolium assay, *J. Appl. Emerg. Sci*, 6 (1): 31-35, 2016.
9. Shahjahan shabbier Ahmed Rana, Hafiz Umair Ahmed, Imran Ali Sani, Nazeer Ahmed, **Muhammad Luqman**, Arshad ghani, Salman Aziz, Abdul Razzaq and Asif ur Rehman, Detection and the amplification of the E8 promotor in tomato plant and sequencing of the E8 gene, *J. Appl. Emerg. Sci*, 6 (1): 14-17, 2016.
10. Shakeela Daud, Sara Naudhani, Nisar Ahmed, Tahir Yaqub, Abu Saeed Hashmi, Ali Raza Awan, Abdul Wali, **Muhammad Luqman**, Muhammad Wasim, Mutational analysis of the equine Cu/Zn superoxide dismutase (SOD1) and amyotrophic lateral sclerosis (ALS2) in horses of Pakistani origin: No evidence found for motor neuron disease, *Int. J. Bios*, 10 (3): 157-162, 2017.
11. **Muhammad Luqman**, Asma Yousafzai, Shakeela Daud, Asad Ullah, Abdul Hameed Baloch, Sara Naudhani, Jamil Ahmad, Identification of two Missense Mutations (p.Ile198Thr & p.Ser44Arg) in TYR gene in Pakistani families, *Int. J. Bios*, 10 (4): 232-238, 2017.
12. Asma Yousafzai, Nisar Ahmed, **Muhammad Luqman**, Hafiz Khush Naseeb, Neelam Hashmi, Kiran Rani, Muhammad Murad, Muneeza Arbab, Mahnoor Ejaz, Umair Ahmed, Abdul Wali, Naheed Sajjad, Abdul Hameed Baloch, Jamil Ahmad, Clinical presentation and lifestyle related risk factors of breast cancer among different age and ethnic groups, *IAJPS* 2017, 4 (11), 4464-4475
13. Asma Yousafzai1, **Muhammad Luqman**, et al. Identification of Mutations in Gene BRCA1/2 in Breast Cancer Cases from Balochistan, Pakistan. (Accepted in Pakistan journal of zoology, waiting for publication)
14. Shah, S.H., K.H. Gill, N. Syed, **M. Luqman**, A.A. Sheikh, M.A. Qazi and N. Din, Micronutrients uptake and yield of wheat as affected by humic acid application, 13th Congress Of Soil Science, Faisalabad-Pakistan 24-27 March, 2010. (conference)

BS Research Students Supervision

No.	Year	Degree	Name	Title
01	2012-13	BS	Towa Khan	A case-control study of cataract disease in Quetta, Pakistan.
02	2012-13	BS	Jamila Tabassum	A study of CCHF disease in Quetta, Pakistan.
03	2013-14	BS	Naila Nabi Khoso	Hyphomycetes Spora of Rohri Canal, Near Khairpur, Sindh
04	2013-14	BS	Saman Naeem	Biodiversity of Diatoms in Karachi Coast
05	2013-14	BS	Aalam Zeb	Drinking water Quality of Quetta City
06	2013-14	BS	Mahrukh Menhal	Prevalence of GIT cancer in Balochistan
07	2014-15	BS	Naseem Marri	Study on chicken pox in Balochistan
08	2014-15	BS	Zarlashta Fatima	Studies on Liver cancer in Balochistan

Other Responsibilities Performed (At BUIITEMS)

- Chairman Board of Studies, Department of Environmental Science, BUIITEMS.
- Member of University Management Committee
- Member of Academic council, BUIITEMS, Quetta
- Member of Library Committee, BUIITEMS
- Member of Board of Faculty of Life Sciences, BUIITEMS.
- Member of Examination Committee, Faculty of Life Sciences, BUIITEMS.
- Member of Purchase Committee, Faculty of Life Sciences, BUIITEMS.

Reviewer

Molecular Biology Reports (IF 1.88)

Projects secured

No	Principle Investigator	Title of the Project	Duration	Amount Pak Rs	Funding Agency
01	Muhammad Luqman	Evaluation of Hypocholesterolemia in Tuberculosis Patients as a Risk Factor or as a Result of The Disease	01 year	165,000.00	BUIITEMS

Memberships

1. Myco-Pathological Society of Pakistan
2. Asian Pacific Organization for Cancer Prevention

Foreign /Professional Trainings

- A Training Course on Introduction to **Cancer Epidemiology (Environmental and genetic aspects)**, at International Agency for Research on Cancer, in Lyon, **France**, from 27th of June to 8th of July, 2011, organized by WHO and IARC in Collaboration with NIH-NCI (USA), Nordic Cancer Union and and Foundation Lea et Napoleon Bullukian (FRANCE)
- Professional Development Training on Education and teaching, Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Pakistan. A four week training course, January to February 2013.
- Curriculum Based Training in the Subject of Botany, Higher Education Commission, Regional Centre, Lahore. April 21-22, 2014.

Conferences/Seminars/Certificates

- HEJRIC-TOKTEN Workshop on *ANIMAL CELL CULTURE*, jointly sponsored by United Nation Organization and H.E.J. Research Institute of Chemistry, International Center for Chemical Sciences, University of Karachi, 23rd of December 2002-January 03rd 2003.
- SDPI's Twelfth Sustainable Development Conference. Fostering Sustainable Development in South Asia-Responding to Challenges, Best Western Hotel, Islamabad. 21 Dec-23 Dec 2009. Presented a paper entitled, "Sustainable Techniques for Arsenic removal used in rural areas of Indo-Pak subcontinent"
- 2nd Pakistan Botanic Gardens Conference on "Botanic Garden: A Vehicle to Strengthen the Public/private/NGO partnership for plant conservation" from February 02 to 04, 2009, Organized by GCU Botanic garden.
- A Short Course on *CASTAL ZONE MANAGEMENT*, sponsored by British Council Pakistan and Center of Excellence in Marine Biology, University of Karachi, UMBSM (University of London and Glasgow), 16-19 February 2004.
- A workshop on Culture of Edible Mud Crab in Pakistan, Organized by WWF and Centre of Excellence in Marine Biology, University of Karachi

Countries visited

Switzerland, France, Italy and UAE

Computing Skills

Basic Operational skills and operating systems, MS Word, MS Excel, MS Power point, Front page, MS Paint, Adobe reader, converters, Adobe professional, Strong Internet research skills.

References

Can be provided on request