

Biochemist Educational/Research Institutes Mid career (10+ years experience)

Personal Info: Dr. Imran Ali
DOB: June 18, 1983
Gender: Male
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Objective: The objective of my life is to be more professional and perfect in my career.

Research Interest

Extremophilic microorganisms; Halophilic microorganisms; Halophilic fungi;
Applications of Halophilic fungi in Biotechnology; Biogas/Biohydrogen from
microorganisms; Future studies

Selected Publications (only impact factor ones)

Leghari SK, Akbar A, Qasim S, Ullah S, Asrar M, Rohail H, Ahmed S, Mehmood K, **Ali I*** (2018) Estimation of Anticipated Performance Index (API) and Air Pollution Tolerance Index (APTI) of Some Trees and Ornamental Plant Species for the Construction of Greenbelts. *Polish Journal of Environmental Studies* (in press).

Ali FS, Akbar A, Prasongsuk S, Permpornsakul P, Yanwisetpakdee B, Lotrakul P, Punnapayak H, Asrar M, **Ali I*** (2018) *Penicillium imranianum*, a new species from the man-made solar saltern of Phetchaburi province, Thailand. *Pakistan Journal of Botany* 50(5): 2055-2058.

Bano A, Hussain J, Akbar A, Mehmood K, Anwar M, Hasni MS, Ullah S, Sajid S, **Ali I*** (2018) Biosorption of heavy metals by obligate halophilic fungi. *Chemosphere* 199:218-222
doi:<https://doi.org/10.1016/j.chemosphere.2018.02.043>.

Samiullah, F. A., SaminaAslam, Sajida, Rasool Bakhsh Tareen, Abdullah Khan, Naqeebullah Khan, Ali Akber, **Imran Ali**, Abdul Kabir Khan, Muhammad Raza Khan, Muhammad Anwer Panezai, Muhammad Aslam Buzdar, Saleha Suleman Khan, & Athiq-ur-Rehman. (2017). Determination of Chemical Composition, Total Phenolic Content and Antioxidant Activity of *Xylanthemum Macropodium*. *Journal of The Chemical Society of Pakistan*, 39(1), 83-91.

Khan MN, Lin H, Meng L, Wang J, Mirani ZA, Khan SI, Buzdar MA, **Ali I**, Jamil K (2017) Identification and growth optimization of a marine *Bacillus* DK1-SA11 having potential of producing broad spectrum antimicrobial compounds, *Pakistan Journal of Pharmaceutical Sciences* 30(3):839-53.

Ali I*, Prasongsuk S, Akbar A, Aslam M, Lotrakul P, Punnapayak H, Rakshit SK (2016) Hypersaline habitats and halophilic microorganisms, *Maejo International Journal of Science and Technology*, 10(3):330-345.

Akbar A, **Ali I**, Anal AK (2016) Industrial perspectives of lactic acid bacteria for biopreservation and food safety, *Journal of Animal and Plant Sciences*, 26(4):938-948.

Ali I*, Akbar A, Aslam M, Sami Ullah, Anwar M, Punnapayak H, Lotrakul P, Prasongsuk S, Yanwisetpakdee B, Permpornsakul P, Rakshit SK (2016) Comparative study of physical factors and microbial diversity of four man-made extreme ecosystems. *Proc Nat Acad Sci India*, 86(3):767-778. DOI: 10.1007/s40011-015-0519-8.

Ali I*, Akbar A, Anwar M, Prasongsuk S, Lotrakul P, Punnapayak H (2015) Purification and characterization of a polyextremophilic α -amylase from an obligate halophilic *Aspergillus penicillioides* isolate, and its

potential for souse with detergents. Biomed Research International Article ID 245649.

Ali I*, Akbar A, Anwar M, Yanwisetpakdee B, Prasongsuk S, Lotrakul P, Punnapayak H (2015) Purification and characterization of extracellular, polyextremophilic α -amylase obtained from halophilic *Engyodontium album*. Iranian Journal of Biotechnology 12:35-40.

Ali I*, Akbar A, Punnapayak H, Prasongsuk S, Yanwisetpakdee B (2014) Seven Big Challenges for Pakistan — and the Lessons They Could Teach. The Futurist, 48 (5): 22-26.

Akbar A, Sitara U, **Ali I**, Muhammad N (2014) Isolation and Characterization of Biotechnologically Potent *Micrococcus luteus* Strain From Environment. Pakistan Journal of Zoology, 46: 967-973.

Ali I*, Akbar A, Yanwisetpakdee B, Prasongsuk S, Lotrakul P, Punnapayak H(2014) Purification, characterization and potential of saline waste water remediation of a polyextremophilic α - amylase from an obligate halophilic *Aspergillus gracilis* Biomed Research International Volume 2014, Article ID 106937, 7 pages, <http://dx.doi.org/10.1155/2014/106937>.

Ali I*, Siwarungson N, Punnapayak H, Lotrakul P, Prasongsuk S, Bankeeree W, Rakshit SK (2014) Screening of potential biotechnological applications from obligate halophilic fungi, isolated from man- made solar saltern located in Phetchaburi province, Thailand. Pakistan Journal of Botany, 46: 983-988.

Ali I, Kanhayuwa L, Rachdawong S, Rakshit SK (2013) Identification, phylogenetic analysis and characterization of obligate halophilic fungi isolated from a man-made solar saltern in Phetchaburi province, Thailand. Ann Microbiol 63: 887-895. DOI10.1007/s13213-012-0540-6.

Siwarungson N, **Ali I***, Damsud T (2013) Comparative analysis of antioxidant and antimelanogenesis properties of three local guava (*Psidium guajava* L.) varieties of Thailand, via different extraction solvents. Food Measure, 7: 207-214.

Recent Awards

February 2017: Valuable research recognition by Chulalongkorn University on 'Purification and Characterization of a Polyextremophilic α -Amylase from an Obligate Halophilic *Aspergillus penicillioides* Isolate and Its Potential for Souse with Detergents'.

January 2016: Biography added in Marquis Who's Who in World, 33rd edition 2016

Recent Keynote Talks

Halophilic fungi in Plant Biotechnology in 1st National Conference on Bioactivity of Phytochemicals: 5th October 2017, The University of Lahore, Lahore, Pakistan.

China, Pakistan Economic Corridor in One Belt One Road Summit: by Southwest University of Science and Technology: 16 August 2017, Mianyang, China.

Nutritional requirements for university students in Technologies for Food Sector: by National Alliance for Food Safety, Pakistan: 25 April, 2017 at University of Balochistan, Quetta, Pakistan.

Food Security in Pakistan in Food Safety Our National Responsibility: by National Alliance for Food Safety, Pakistan: 03 December 2016 at University of Balochistan, Quetta, Pakistan.

Current Research on halophilic fungi at RUBEM in Workshop for Disease Diagnosis and Vaccine Production: by/at CASVAB on 25 October 2016, Quetta, Pakistan.

How and Why to use FTIR in Biotechnology in Workshop for High-Tech Instruments: by Faculty of Life Sciences: University of Balochistan on 15 April 2016, Quetta, Pakistan.

Prospects of Biological hydrogen Production by Microalgae in Conference in Trends of Applied Microbiology by American Society of Microbiology at CASVAB on 7 April 2016, Quetta, Pakistan.

Recent Administrative Responsibilities

Coordinator for MPhil/PhD program of Institute of Biochemistry, University of Balochistan: From March 2017 to present.

Head RUBEM: From April 2014 to present.

Twice elected as Executive Academic Staff Association member in 2016 and 2017

Members of: Asian Federation of Biotechnology; World Future Society; Pakistan Botanical Society; Quetta Flying Club (certified Adventure Glider Pilot; 4 hours credit flying).

Experiences

1

Organization: Institute of Biochemistry, University of Balochistan, Quetta, Pakistan

Designation: Assistant Professor(TTS)

Tenure: Dec, 2014 to present

Responsibilities: Teaching/Research

2

Organization : Chulalongkorn University, Bangkok, Thailand.

Designation : Honorary Researcher

Tenure: Dec, 2014 to present

Responsibilities: Research

3

Organization : Institute of Biochemistry, University of Balochistan, Quetta, Pakistan

Designation : Lecturer

Tenure: June 2007 to December 2014

Responsibilities: Teaching/Research

Education

1

Level : Post Doctorate

Degree : Post Doc in Botany

Institute : Chulalongkorn University, Bangkok, Thailand.

Session : 2013-2014

Thesis : Biotechnological potentials of halophilic fungi.

2

Level: Doctoral degree

Degree : PhD, Food Engineering & Bioprocess Technology

Institute : Asian Institute of Technology, Bangkok, Thailand.

Session : 2010-2013

Thesis : Screening of potential Biotechnological applications from halophilic fungi, isolated from a man-made solar saltern, located at Phetchaburi province, Thailand.

3

Level : Master degree

Degree : MS, Food Engineering & Bioprocess Technology. *GPA :* 3.56

Subjects : Bioprocess Technology, Natural Resource Management, Biodiversity & Conservation, Food Engineering, Food Safety, Microbiology.

Institute : Asian Institute of Technology, Bangkok, Thailand. *Session* : 2008-2009

Thesis : Biological hydrogen production from *Chlorella* Sp.

4

Level : Master degree

Degree : MSc, Biochemistry.

% age : 73%

Subjects: Molecular Biology, Biochemistry, Bio-organics, Bioanalytical Chemistry, Endocrinology, Immunology, Chemotherapy, Microbiology, Genetics

Institute : Institute of Biochemistry, University of Balochistan, Quetta, Pakistan.

Session : 2004-2006

Research: Crude Invertase characterization extracted from *Ficus carica*.

Other profile links

https://www.researchgate.net/profile/Imran_Ali4

<http://scholar.google.co.uk/citations?user=0Ac6SpIAAAAJ&hl=en>

<http://orcid.org/0000-0003-4956-7852>

<http://www.scopus.com/authid/detail.url?authorId=5588252790>