

CURRICULUM VITAE – DR. YASIR REHMAN

Contact Details

Name	Yasir Rehman	Father's name	Abdul Rehman
Gender	Male	Nationality	Pakistani
Date of Birth	23rd April, 1985	Religion	Islam
e-mail	Yasir.mmg@pu.edu.pk	Phone	+92-333-8636475
Address	411, Mohallah Lagiwan, Kotli Loharan West, Sialkot Pakistan.		

Academic Qualifications

Degree	Year	Majors	Institute
PhD	2014	Microbiology & Molecular Genetics. Dissertation: Analysis of Arsenic Resistant Bacteria and the Functional Potential of Microbial Communities from Arsenic Contaminated Soils	Dept. of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
M.Sc.	2007	Microbiology & Molecular Genetics	Dept. of MMG, PU.
B.Sc.	2005	Botany, Zoology, Chemistry	Govt. Murray College, Sialkot
F.Sc.	2003	Pre Medical	Govt. Murray College, Sialkot
Matric	2001	Science	Standard Model Public School, Sialkot

Current Position **Assistant Professor**, Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan (Since 2014)

Professional Experience

- Lecturer, Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan (2012-2014)
 - Research Officer, Dept Microbiology & Molecular Genetics, University of the Punjab, Lahore (2009-2011).
 - Quality Control Officer, Chughtais Lab Lahore (2008-2009)
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Research Interests & Expertise

- Environmental Microbiology, Molecular Ecology/Metagenomics, Anaerobic Microbiology & Bioenergy
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Membership

- Member, American Society of Microbiology (ASM), USA (since 2009)
 - Member, Society of Applied Microbiology (sfam), UK (since 2015)
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Publications

(Impact Factor 2015:
5.58)

(H-Index = 2.0)

- Rizwan, M., **Rehman, Y.**, Faisal, M., Hasnain, S. 2011. Seasonal Effects of Domestic Wastewater on the Cr(VI) Reduction Potential of *Bacillus cereus* and *Ochrobactrum intermedium*. *Biology & Environment-Proceedings of the Royal Irish Academy*, **111B**:33-40.
- Sheik, C. S., Mitchell, T. W., Rizvi, F. Z., **Rehman, Y.**, Faisal, M., Hasnain, S., McInerney, M. J. and Krumholz, L. R. 2012. Exposure of Soil Microbial Communities to Chromium and Arsenic Alters Their Diversity and Structure. *Plos One*, **7(6)**:e40059.
- **Rehman, Y.**, Rizvi, F. Z., Faisal, M. and Hasnain, S. 2013. Arsenic and Chromium Reduction in Co-Cultures of Bacteria Isolated from Industrial Sites in Pakistan. *Microbiology+*, **82** (4):428-433.
- **Rehman, Y.** and Hasnain, S. 2013. Metagenomics to Unveil Microbiome of Human Body. *Journal of Bacteriology & Parasitology*, **4**:e118.
- Mahmood, S., **Rehman, Y.** and Hasnain, S. 2015. Cross-Kingdom Pathogenicity across Plants and Human Beings. *Journal of Bacteriology & Parasitology*, **6(4)**:1000e124.
- Batool, F., **Rehman, Y.** and Hasnain, S. 2016. Phylloplane associated plant bacteria of commercially superior wheat varieties exhibit superior plant growth promoting abilities. *Frontiers in Life Sciences*, **9(4)**: 313-322.
- Siddiq, A., **Rehman, Y.** and Hasnain, S. Rhizoplane microbiota of superior wheat varieties possess enhanced plant growth promoting abilities that contribute to superior growth of the varieties. *Frontiers in Biology*, Accepted September 2016.
- Shafique, M., Jawaid, A. and **Rehman, Y.** As(V) reduction, As(III) oxidation and Cr(VI) reduction by multi-metal resistant *Bacillus subtilis*, *Bacillus safensis* and *Bacillus cereus* species isolated from wastewater treatment plant. *Geomicrobiology*. Accepted September 2016.

Thesis

Supervised

MS/MPhil Thesis:

1. Maria Shafiq, Session: 2013-2015, Roll #: 04. Isolation and Characterization of Multiple-Metal Resistant Bacteria
2. Fatima Batool, Session: 2014-2016, Roll #: 01. Metagenomic Analysis of Hot-Spring Microbial Community Using Next Generation Sequencing
3. Ayesha Siddiq, Session: 2014-2016, Roll #: 14. Metagenomic Analysis of Desert Microbial Community Using Next Generation Sequencing

MSc Thesis:

1. Javaria Badar, Session: 2013-201, Roll #: 03. Arsenic Reducing and Hydrocarbon Degrading Bacteria Isolated from Industrially Contaminated Site in Kasur City.
2. Aqsa Jawaid, Session: 2013-2015, Roll # 15. Plant Growth Promoting Abilities of Multiple-Metal Resistant Bacteria
3. Kanza Batool, Session: 2012-2014, Roll #: 05. Comparative analysis of Purple Non-Sulfur Bacteria and other Eubacteria for their plant growth promoting abilities under As(V) stress.
4. Memoona Shaukat, Session 2014-2016, Roll #: 07, Determination of Amylase Activity by Starch Hydrolyzing Bacteria.

BS. Hons Thesis:

1. Fatima-tuz-Zehra, Session: 2011-2015, Roll #: 07. Isolation and Characterization of Arsenic Resistant Purple Non Sulfur Bacteria.
2. Noor ul Huda, Session: 2010-2014, Roll #: 27. Isolation of As(V) resistant plant growth promoting bacteria from soil irrigated by industrially contaminated water.
3. Hareem Mohsin, Session 2012-2016, Roll #: 18, Anoxic Growth Optimization of Arsenic Resistant Purple Non Sulfur Bacteria Isolated From Industrial Waste.
4. Azka Asif, Session 2012-2016, Roll # 40, Anoxic Growth Optimization of Arsenic Resistant Purple Non Sulfur Bacteria Isolated From Fish Pond.

**Conferences/
Workshops/
Symposiums
ATTENDED**

- Participated in Symposium on Genomics, Proteomics, Metabolomics, Biotechnology, Dept. of MMG, University of the Punjab, 2007.
- Participated in Workshop on Proteomics, Dept. of MMG, University of the Punjab, 2007.
- Attended: Seminar on Bacterial Endotoxin Testing. Organized by Microbiology and Molecular Genetics Department, University of the Punjab, Lahore Pakistan (21st November, 2007)
- Attended Seminar on Waste Disposal "Laboratory waste Management" Organized by Department of Microbiology and Molecular Genetics, University of the Punjab in collaboration with Mr. Junaid Habib Ullah Shalimar Hospital Lahore Pakistan (1st February, 2008)
- Attended workshop on "Microbial resistant paints" organized by the Department of Microbiology and Molecular Genetics, Punjab University Quaid-e-Azam Campus, Lahore Pakistan (17th April, 2008)
- Participated in Int. Symposium on Glycoproteins in Health & Diseases, S.B.S., University of the Punjab, 2008.
- Symposium on Modern Biotechnology: A Resource for Sustainable Development, Dept. of MMG, University of the Punjab, Venue: Pearl Continental, Lahore, 2009. Presented Poster entitled "Isolation & Characterization of Arsenic Resistant Bacteria".
- Int. Symposium on Advances in Agriculture, Prospects and Potentials of Natural Resources in Food Security, Faculty of Agriculture, Rawalakot, University of Azad Jammu and Kashmir, 2009. Gave presentation on "Isolation, Screening & Characterization of Arsenic Transforming Bacteria".
- Attended workshop on "Pre-conference workshop on hematology" organized by the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore Pakistan, Pak Society of hematology (PSH) and Children Hospital (9th Feb, 2010).
- Exhibition entitled "Showcasing the Pak-US Research Collaboration", Serena Hotel, Islamabad, 2010. Presented Posters entitled "Arsenic Resistant Bacteria" & "Chromium Resistant Bacteria".
- Symposium on Current Agro Biotechnology & Transgenic Plants, Dept. of MMG, University of the Punjab, Venue: Pearl Continental, Lahore, 2010. Presented Poster entitled "Arsenic Resistant Bacteria".
- 111th General Meeting of American Society of Microbiology, New Orleans, Louisiana USA, May 2011. Presented poster entitled "Arsenic-Reducing Bacteria from Industrial Areas of Punjab, Pakistan".
- Participated in "1st National Training Course on Bacterial Identification and Metagenomics" NIBGE, Faisalabad, Pakistan (5th-9th March, 2012).
- Participated in "Invention to Innovation Summit 2012" University of the Punjab, Lahore Pakistan (18th June, 2012).
- Agriculture and Food Security Issues in Global Perspectives, Faculty of Agriculture, Rawalakot, The University of Poonch, July, 2012. Presented poster entitled "Arsenic-Reducing Bacteria".
- Bio-Physicochemical basis for technopreneurship. 2-3rd April 2013. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan. Presented poster entitled "Arsenic reduction in co-cultures".
- "Attended workshop on: Fourier Transform Infrared Spectroscopy" organized by IRCBM-CIIT Lahore (1st July, 2013).
- Presented poster entitled "Arsenic reduction by *Enterobacter cloacae* and *Klebsiella pneumoniae* isolated from industrial areas of Punjab, Pakistan" in "5th Congress of European Microbiologists, FEMS2013" 21-25 July 2013, Leipzig Germany.
- Participated in "Hands on Training Workshop on Basic Biosafety Measures in Research", organized by NAYS & Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore Pakistan (27th Sep, 2013).
- Participated in one day "Workshop on Biosafety & Risk Assessment", 19th April, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan

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- Participated in “International Conference on Innovative Biological and Public Health Research”, May 06-08, 2014. Department of Zoology, Government College University, Lahore Pakistan
 - Participated in “Recent Trends in Molecular Therapeutics”, August 19, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Participated in “Emerging Issues of Multidrug Resistance: A Threat to the Globe”, October 2, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Presented Talk entitled “Arsenic resistance, reduction and adsorption by *Enterobacter*, *Klebsiella* and *Aeromonas* species isolated from industrial areas of Punjab, Pakistan” in “Asian Conference on Engineering & Natural Sciences (ACENS)”, 03-05 February, 2015, Tokyo, Japan.
 - Presented Talk entitled “Effects of arsenic and chromium on functional gene pool of microbial communities” in “10th Biennial Conference of Pakistan Society for Microbiology”, 25-28 March, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
 - Presented Talk entitled “Chromium and Arsenic Affects the Genetic Pool of Microorganisms” in 33rd Symposium of Malaysian Society for Microbiology (MSM2016), 14-17 December, 2016, Melaka, Malaysia.
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**Conferences/
Workshops/
Symposiums
ORGANIZED**

- Member Organizing Committee of Book Fair (2008), University of the Punjab, Lahore
 - Member organizing Committee of Bio-Physicochemical basis for technopreneurship. 2-3rd April 2013. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized and acted as a Resource person in one day workshop “Making sense from sequence”, 25th Jan, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized and acted as a Resource person in one day hands-on training on “Endnote”, 20th Feb, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized and acted as a Resource person in one day hands-on training on “Scientific writing: Guidelines, issues and solutions”, 20th Feb, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized one day Workshop on “Biosafety & Risk Assessment”, 19th April, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized one day “Technospark” event on 29-30th November, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized two days Workshop on “Parasitology & Its Immunological Aspects”, 13-14 February, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized and acted as **Secretary** of “10th Biennial Conference of Pakistan Society for Microbiology”, 25-28 March, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized and acted as **Focal Person** of “One Day Workshop on Ethical Challenges in Medical Research”, 23rd May, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Organized one day seminar entitled “Diversity in Microbiology: A Crosstalk” 17th December, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
 - Acted as a Resource person in two-day workshop on “Crafts of Scientific Writing”, 6-7th December, 2016. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan
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Professional Courses

- 3rd Faculty Training Program: The Learner's Psychology, Academic Writing: Process and Skills. Nov 17-21, 2014. LID-HEC, University of the Punjab, Lahore.
- Training in Anaerobic Microbiology & Molecular Ecology, Nov 2010-Dec 2011, University of Oklahoma, Norman Oklahoma, USA.
- 2nd In-Service Faculty Training Program: Professional Ethics, Management & Grooming: Assessment & Evaluation. Feb 4-8, 2013. LID-HEC, University of the Punjab, Lahore.
- ISO 14001:2004, Institute of Quality & Technology Management, University of the Punjab

Distinctions

- Merit Scholarship holder MSc, Dept. of MMG, University of the Punjab, 2006.
- Merit Scholarship holder MPhil leading to PhD, Dept. of MMG, University of the Punjab, 2009.
- Prize winner for poster presentation in "Agriculture and Food Security Issues in Global Perspectives", Faculty of Agriculture, Rawalakot, The University of Poonch, July, 2012.

References

- Prof. Dr. Shahida Husnain, Vice Chancellor, The Women University Multan, Multan, Pakistan. +92-061-9200811.
 - Prof. Dr. Anjum Nasim Sabri, Chairperson Dept Microbiology & Molecular Genetics, University of the Punjab, Lahore. +92-42-35952811.
 - Prof. Dr. Michael J McInerney, Dept of Botany & Microbiology, University of Oklahoma, Norman Oklahoma, USA 73019. email: mcinerney@ou.edu
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