

# Mortuza Reza

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## About Me

Highly self-motivated and well-organized individual, enthusiastic to create positive and welcoming impression, seeking a position in a professional team; where I can apply my educational and creative skills and have the opportunity to learn new laboratory technologies.

## GENERAL SKILLS

- ✓ Capable of working independently and under pressure.
- ✓ Possess excellent decision-making, problem solving, multitasking and organizational skills.
- ✓ Strong ability to supervise, train, direct and motivate co-workers.
- ✓ Able to work as part of a team and assist co-workers when necessary.
- ✓ Strong sense of responsibility and outgoing with positive attitude.
- ✓ Class 5 driving licence.
- ✓ Registered Articling Agrologist (AAg) member at Saskatchewan Institute of Agrologists.

## RESEARCH AND LABORATORY SKILLS

- ✓ Excellent knowledge about methods, techniques and procedures used in physical, chemical and biological analysis of water, air, soil and plant samples.
- ✓ Good knowledge about ISO 17025, CALA laboratory accreditation, proficiency tests.
- ✓ Extensive knowledge about various microbial media preparation, isolation, characterization, DNA extraction, identification and preservation of bacteria and fungi from water, soil and plant samples.
- ✓ Maintain and verification of laboratory equipment as per company's SOPs.
- ✓ Experience in analyzing samples accurately with good precision using modern instrumentation including acid-digestion, filtration, titration, spectroscopy, microscopy, colorimetric methods.
- ✓ Excellent knowledge about water quality and pollution, environmental pollution, environmental microbiology, plant pathology and soil classification.
- ✓ Good knowledge about LIMS (Element), digital record keeping, notes and log/lab books, experimental design, statistical analysis and interpretation of results (R, SAS, JMP).

## TRAININGS

COVID-19 Health and Safety certificate; Biosafety; Laboratory safety; WHMIS; Transportation of dangerous goods regulations; SAS for windows - introduction course; HPLC-MS/MS Operation Series by SCIEX; Introduction to incur travel and expense; Three-month basic photography; First aid, CPR

## COMPUTER EFFICIENCY

Analytical and graphing software, MS office, Outlook, photoshop and photo editing, Excel VBA, macros, computer troubleshooting, web design and development, basic C and python programming.

## EDUCATIONS

Master of Science, Soil Science, University of Saskatchewan	2017
Master of Science, Soil Science, University of Dhaka	2013
Bachelor of Science, Soil, Water and Environment, University of Dhaka	2011

## LANGUAGE SKILLS

Bangla (Native)   English (Fluent)   Hindi (Conversation)

## WORK EXPERIENCES

- ✓ Research Technician, Cereal and Flax Pathology, University of Saskatchewan, Saskatoon, SK, July 2019- present. (Maintain plant disease nurseries, increase pathogen inoculum, assisting with soil sampling, irrigation, weeding, harvesting, mycotoxin analysis, contribute to the annual research report and research protocol development, maintain efficient use of all resources, responsible for training and supervision of summer students, support and train graduate students to establish research experiments, coordinating with other research groups, manage lab inventory.)
- ✓ Laboratory technologist, Wastewater Treatment Plant, City of Saskatoon, October 2018- December 2018. (Collected water samples, performed routine and special water quality analysis, data validation and entry into LIMS, prepared summaries of data to report, equipment calibration, standard solution preparation, identified problems and informed operation groups.)
- ✓ Food delivery driver, Uber Eats, August 2018- December 2018. (Pickup foods from restaurants in an appropriate container and deliver safely to correct addresses.)
- ✓ Counter Intelligence Agent, Geek Squad, BestBuy, Saskatoon, SK, September 2018- December 2018. (Solve and suggest solutions or computer, tablet and cellphone's software and hardware related problems, data transfer, virus removal, hard disk replacement etc.)
- ✓ Graduate Research Assistant, University of Saskatchewan, Saskatoon, SK, 2013 – 2017. (Assisted and collaborated with other researchers to establish and execute research experiments about isolation and evaluation the potential use of bacteria in agriculture. I also assisted other researchers, trained new students, supervised lab technicians and summer students to carry out field and lab experiments. I was also responsible of making my research budget, order supplies accordingly and managed all routine lab activities to maintain safe lab practices.)
- ✓ Tech help peer mentor, 2015-16, Student Learning Services, University of Saskatchewan. (Conducted basic computer training workshops about different applications (R, JMP, SAS, MS office etc.) and helped students to use available technologies for their academic career.)
- ✓ Judge for Saskatoon Regional Science Fair, 2015, 2016 and 2017 (Evaluated various science projects submitted by students.)
- ✓ Vice Precedent, Bangladeshi Student Association, University of Saskatchewan, 2013–2014. (Arranged events, budgeting for events, organized and managed cultural and recreational events, communicate with partners for sponsorship.)

## PRESENTATIONS

- ✓ Graduate student seminar presentation, department of soil science, University of Saskatchewan, Saskatoon, August 25, 2017, "Assessing the effect of siderophore-producing bacteria for the iron nutrition in lentil and pea".
- ✓ Rhizosphere 4 International Conference, Maastricht, Netherlands, June 21-25, 2015, "Can Fe-chelating bacteria increase bioavailable Fe content in lentil (*Lens culinaris* L.) and pea (*Pisum sativum* L.)?"
- ✓ International Food Legumes Research Conference (IFLRC VI) and 7th International Conference on Legume Genetics and Genomics (ICLGG VII) July 6 – 11, 2014, Saskatoon, "Can Fe-chelating bacteria increase bioavailable Fe content in lentil (*Lens culinaris* L.)?"

## INTERESTS



Environment



Computer



Business



Photography



Soccer



Travel