

Vikas Patel

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Academic Background

2017- Till Date: Pursuing Doctoral studies in Department of Preventive Medicine, Faculty of Public Health, University of Debrecen, Hungary.

2014-2016 Completed **Master of Science in Biochemistry** from Sunrise University, India.

2011-2014 Completed **Bachelor of Science** degree from Monad University, India.

2009-2011 Completed 12 years schooling (including High School and Senior Secondary). I obtained a first class in my High School as well as in Senior Secondary School. I was taught subjects Physics, Chemistry ,Mathematics, English, social sciences, Biology and other language courses.

Positions Held

2016 Junior Research Fellow at Indian Agricultural Research Institute, New Delhi, India

2013 Post Graduate researcher at CSIR-OSDD Unit New Delhi India

Research Experience

2015-2016 **Photochemical toxicity assessment of drugs intended for ocular use**

In this project we evaluated possible ocular photo toxicity of drugs (Antibiotics and NSAIDs). Ex-vivo models like HET-CAM test, ICE test, & RBC hemolysis tests were performed for the assessment. Results of HET-CAM and ICE tests suggest that sulphacetamide is moderately toxic where Ketoconazole and voriconazole were slightly irritant. NSAIDs, Diclofenac and ketorolac demonstrated slight irritancy
Techniques Learned: Ex-vivo Models establishments, High Resolution Imaging, Image analysis, Method development, troubleshooting technical problems during the experimentation, data analysis and presentation.

2016- 2017 **Translation of Plant Resistance to Nematodes to Commercial Practice**

In this project, we are working on improvement of Nematode free Variety of wheat. We are working on nematodes resistance variety by silencing of responsible gene and its commercialization. This is an Indo-Australian project funded by DST, India.

Techniques Learned: Tissue Culture, RNA Isolation, Real PCR, Stereomicroscope, Laminar Air Flow, Nano Drop, and Electrophoresis.

Trainings

2015 Research training at Fortis Escorts Heart Institute, New Delhi & worked "Cardio Pulmonary Resuscitation."...

2014 Training at MSME Development Institute, New Delhi & worked "Food Processing."

Professional Memberships

- Active Student Member of British Pharmacological Society, UK

Seminars/ Conferences Attended

- National Science Academy-DST, GOI, New Delhi on 3rd to 4th March, 2012.
- International seminar and health fair 'AROGYA-2012' organized by Department of AYUSH, M/o Health and Family Welfare, GOI, from 31st Oct to 3rd Nov 2012.
- National seminar 'Medicine Update 2012' sponsored by Deptt. of Medicine, AIIMS, New Delhi and Assoc. of physicians of Indian on 9th Sep. 2012.
- International Seminar and Health Fair 'AROGYA-2013' organized by Department of AYUSH, M/o Health and Family Welfare, GOI from 18th Sep to 21st to Sep 2013.
- National seminar 'Medicine Update 2013' sponsored by Deptt. of Medicine, AIIMS, New Delhi and Assoc. of physicians of Indian on 8th Aug. 2013.
- 5th Central-Eastern European Congress on cell-Free Nucleic Acid, Debrecen 4032 Egyetem tér 1., Hungary,

- National Association of Public Health Training and Research Centers XII. Conference-"The Integrative Role of Public Health", Budapest, August 29-31, 2018

Technical knowledge/Skills

- Computer proficiency— Computing, MS Office, Tally, Data Mining,
- Basics in Intellectual Property Rights and WIPO activities & Updates
- Bio-analytical Instrumentation (Basic Handling) - Real PCR, Stereomicroscope, confocal microscopy, FISH Laminar Air Flow, Tissue/cell Culture, Nano Drop, Electrophoresis.

References

- István Szász, Preventive medical institute University of Debrecen, Hungary, Email: szasz.istvan@sph.unideb.hu
- Kamal Kishore, Indian Pesticide Formulation Technology Mob. No. 08459131243, Email: kk.ipft@rediffmail.com

Place: Debrecen, Hungary

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