

MOHOMED MALLIQUE QADER

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ACADEMIC QUALIFICATIONS

- **Reading for Degree of Doctor of Philosophy (Ph.D.)** - 2014 - to date (*thesis submitted*)
University of Peradeniya, Sri Lanka & University of the West of Scotland, UK.
Field of Study - Microbial natural products chemistry
Supervisors - Prof. Lalith Jayasinghe (SL), Prof. N. Savitri Kumar (SL), Dr. Mostafa Rateb (UK).
- **Certificate Course in Advanced Organic Chemistry** - 2015
Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.
- **Bachelor of Science (B.Sc.), Chemistry, 1st Class** - 2013
Major - Chemistry Subsidiary - Physics, Zoology
The Open University of Sri Lanka, Nawala.

AWARDS AND ACHIEVEMENTS

- Merit Award for scientific research publication in 2016 from National Research Council of Sri Lanka.
- Competitive Erasmus Mundas-Glink Fellowship for collaborative research at the University of the West of Scotland, UK from the European Commission (2017).
- Kandiah Award for Basic Chemistry 2017 from Institute of Chemistry Ceylon (2017).
- The Buckyball Award for excellence in the Chemistry of Sugars, Amino acids and related compounds, Department of Chemistry, OUSL. (2011/12)
- The Buckyball Award for excellence in Organic Chemistry II (Level 5), Department of Chemistry, OUSL. (2011/12)
- Professor G.M.K.B. Gunaherath special award for the best performance in Organic Chemistry of the B.Sc. Degree programme, Department of Chemistry, OUSL. (2011/12)
- The ZooNet award for the best performance in Zoology Research project, Department of Zoology, OUSL. (2010/11)
- The Buckyball C₆₀- Scholarship award for best performance in all Chemistry subjects in Level 03 and 04, Department of Chemistry, OUSL. (2010/11)
- Dean's List of Distinguished Students for good academic performance in the academic year 2011/12.

RESEARCH EXPERIENCES

Visiting Researcher – School of Computing, Engineering & Physical Science, UWS, UK. (September 2018 to date)

Visiting Research Scholar – School of Science & Sports, UWS, UK. (2017 to 2018)

Research Assistant – Natural Products Research Group, NIFS, Kandy. (2014 to 2017)

TEACHING EXPERIENCES

Assistant Lecturer - Department of Chemistry, the Open University of Sri Lanka. (1st November 2018 to date)

Temporary Tutor/ Demonstrator – Department of Chemistry, the Open University of Sri Lanka. (25th March 2013 to 26th December 2013)

WORKSHOPS ATTENDED

- Participant, Best practice learning workshops 2018-GC & GCMS, Shimadzu UK Limited, Scotland, UK. 19th September 2018
- Participant, HPLC/UHPLC/LCMS shearing best practice learning workshops, Shimadzu UK Limited, Scotland, UK. 20th September 2018
- Trainee, handling of NMR instrument, University of Strathclyde, Glasgow, UK (Jan 2018) and University of Aberdeen, Aberdeen, UK (Feb 2018).
- Trainee, Installation and handling: Liquid Chromatography & Mass Spectrometry from Mr. Manoj M. Kushwaha (Application Specialist - LCMS, Thermo Fisher Scientific India Pvt. Ltd), NIFS, Kandy – 23 – 29 June 2017.
- Participant, Technology on Innovations in Liquid Chromatography & Mass Spectrometry, Waters Technology Seminar, Hotel Galadari, Colombo -2017
- Participant, Seminar and Workshop on Bioassay Methods in Natural Product Research, organized by College of Chemical Sciences, Institute of Chemistry Ceylon, Colombo - 2016
- Organizing Committee, National Workshop on Separation Techniques used in Natural Product Research, organized by the Natural Products Research Group, NIFS, Kandy – 2016
- Rapporteure, Innovation Ecosystem: STI Skills Development session, Science and Technology for Society Forum Sri Lanka, Ministry of Science, Technology and Research, Colombo - 2016
- Participant, Workshop on Unlocking the Industrial Potential of Seaweed Resources of Sri Lanka, Sri Lanka Institute of Nanotechnology (SLINTEC), Homagama - 2016
- Participant, Workshop on Uses of Natural Science in Medicinal Research, Department of Natural Products, Medical Research Institute, Colombo – 2015

- Participant, National Workshop on Drug Discovery, Analysis and Quality Control, Department of Pharmacy, Faculty of Allied Health Science, University of Peradeniya, Sri Lanka - 2015
- Participant, Seminar on Chromatographic Techniques and their Applications, Collage of Chemical Science, Institute of Chemistry Ceylon, Colombo- 2015
- Participant, 5th National Workshop on Scientific Writing, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka - 2014
- Organizing Committee, National Workshop on Investigating Bioactive Metabolites from Natural Sources: Enzyme Inhibitory Studies, NMR and LC-MS Interpretation, organized by the Natural Products Research Group, NIFS, Kandy - 2014

LEADERSHIP AND AFFILIATIONS

- Associate member, Royal Society of Chemistry, UK. (2017)
- Associate member, the American Society of Pharmacognosy, USA (2017)
- Licentiate member, Institute of Chemistry Ceylon. (2015)

INSTRUMENTATION, SOFTWARE PROFICIENCY AND RESEARCH SKILLS

- Handling of HPLC, GCMS, LCMS, NMR (400 and 600 MHz), Microplate reader, Spectrophotometer,
- Analysis of data using Mestrenova, Xcaliber, Antibase, Antimarine, Graphpad, MZMine, NIST, Chem Office, MSOffice
- Experienced in (assay development and optimization) antioxidant (DPPH, ABTS), antifungal, antimicrobial, cytotoxic, phytotoxic, antidiabetic and enzyme inhibitory assays (α -amylase, α -glucosidase, tyrosinase, xanthine oxidase).

PERSONAL DETAILS

Full Name	Mohomed Mallique Qader
Date of Birth	11 th July 1986
Nationality	Sri Lankan
Secondary Education	Presidents' Collage, Maharagama, Sri Lanka
Higher Education	The Open University of Sri Lanka (2007-2013) University of Peradeniya, Sri Lanka (2014-2019) University of West of Scotland, UK (2017-2018)

ACADEMIC REFEREES

- Prof. Lalith Jayasinghe
Senior Research Professor & Project Leader
Natural Products Research Group
National Institute of Fundamental Studies,
Kandy 20000
Sri Lanka.

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- Prof. G.M.K.B. Gunaherath
Senior Professor in Chemistry
The Open University of Sri Lanka,
Nawala, Nugegoda 10250
Sri Lanka.

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- Prof. N. Savitri Kumar
Professor Emeritus
University of Peradeniya,
Peradeniya 20000
Sri Lanka.

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- Dr. Mostafa Rateb
Lecturer
School of Computing, Engineering & Physical Science
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High Street, Paisley PA 1 2 BE
United Kingdom.

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Tel: (+44) 141 848 3072

PUBLICATIONS & PRESENTATIONS

Full paper publications

Ben Slama, H., Cherif Silini, H., Ali, C.B., **Qader, M.M.**, Silini, A., Yahiaoui, B., Alenezi, F.N., Luptakova, L., Triki, M.A., Vallat, A. and Oszako, T.O., 2018. Screening for Fusarium antagonistic bacteria from contrasting niches designated the endophyte *Bacillus halotolerans* as plant warden against Fusarium. *Frontiers in Microbiology* **9**, 3236.

Eshelli, M., **Qader, M.M.**, Jambi, E., Hursthouse, A., Rateb, M.E. (2018). Review: current status and future opportunities of omics tools in mycotoxin research. *Toxins* **10**, 433.

Napagoda, M., Gerstmeier, J., Butschek, H., Lorenz, S., Kanatiwela, D., De Soyza, S., **Qader, M.**, Nagahawatte, A., Wijayaratne, G.B., Svatoš, A. and Jayasinghe, L. (2018). Lipophilic extracts of *Leucas zeylanica*, a multi-purpose medicinal plant in the tropics, inhibit key enzymes involved in inflammation and gout. *Journal of Ethnopharmacology* **224**, 474-481.

Napagoda, M.T., Kumari, M., **Qader, M.M.**, De Soyza, S.G. and Jayasinghe, L. (2018). Evaluation of tyrosinase inhibitory potential in flowers of *Cassia auriculata* L. for the development of natural skin whitening formulation. *European Journal of Integrative Medicine* **21**, 39-42.

Qader, M.M., Kumar, N.S., Jayasinghe, L. and Fujimoto, Y. (2018). Shikimic acid production by *Fusarium decemcellulare*, an endophytic fungus isolated from *Flacourtia inermis* fruits. *Journal of Biologically Active Products from Nature* **8**, 43-50.

Qader, M.M., Kumar, N.S., Jayasinghe, L., Araya, H., Fujimoto, Y. (2017). Bioactive sesquiterpenes from an endophytic fungus *Bipolaris sorokiniana* isolated from a popular medicinal plant *Costus speciosus*, *Mycology* **8**, 17-20.

Padmathilake, K.G.E., Bandara, H.M.S.K.H., **Qader, M.M.**, Kumar N.S., Jayasinghe, L., Masubuti H., Fujimoto, Y. (2017). Talarofuranone, a New Talaroconvolutin Analog from the Endophytic Fungus *Talaromyces purpurogenus* from *Pouteria campechiana* Seeds, *Natural Product Communications* **12**, 489-490.

Napagoda, M.T., Malkanthi, B.M.A.S., Abayawardana, S.A.K., **Qader, M.M.**, Jayasinghe, L. (2016). Photoprotective potential in some medicinal plants used to treat skin diseases in Sri Lanka, *BMC Complementary and Alternative Medicine* **16**:479. (DOI 10.1186/s12906-016-1455-8)

Qader, M.M., Kumar, N.S., Jayasinghe, L., Fujimoto, Y. (2015). Production of antitumor antibiotic GKK1032B by *Penicillium citrinum* an endophytic fungus isolated from *Garcinia mangostana* L. fruits, *Medicinal & Aromatic Plants* **5**. DOI: 10.4172/2167-0412.1000225

Qader, M.M., Thayaparan, M., Iqbal, S.S., Iqbal, M.C.M. (2013). A preliminary study of remediation of chromium from tannery effluent, *Annual Academic Sessions, OUSL*. ISSN 2013-9912.

Qader, M.M., Edirisinghe, E.A.D.N.D. (2013). A study on Coleopteran fauna in soil and litter of *Waga* Natural Forest Reserve, Sri Lanka, *Annual Academic Sessions, OUSL*. ISSN 2013-9912.

Qader, M.M., Edirisinghe, E.A.D.N.D. (2012). Distribution of soil and litter fauna in three different habitats in *Waga* Natural Forest Reserve in Kalutara district Sri Lanka, *Annual Academic Sessions, OUSL*. ISSN 2012-9912.

Abstracts

More than 25 communications has been presented in international and national symposia.

Presentations

Talk on “Natural products and drug discovery” and motivational talk on “research & development- an upcoming field of science” Al-Diyafah High School, Dubai, UAE- October 2018