

Full Name	Mohammad Sharif Khan, PhD
Present Position/ Institution	Research Associate B , Thayer School of Engineering, Dartmouth College October 2018 – September 2020 (Bill and Malinda Gates Foundation)
Contact Details	Thayer School of Engineering (Cumming 215) 14 Engineering Dr., Hanover, NH 03755 Tel: (603) 646-0743; Mob: (903) 231-6556
Email /Web	mohammad.sharif.khan@dartmouth.edu ; http://dartgo.org/msk
Qualifications	2018-2014: PhD (Research; Major: Analytical Chemistry) Monash University. Completion: Dec 2018 2012-2014: M.S (Research) (Pharm. Chemistry) Int. Islamic Uni Malaysia, Grade: Higher distinction 2011-2007: B.S (hons) (Nutrition and Food Science) University of Dhaka, Bangladesh. CGPA: 3.32/4.0
Employment Experience	Teaching Associate (casual), School of Chemistry, Monash University , 2016-18 Research Assistant (full time), School of Pharmacy, Int. Islamic University Malaysia , 2012-13
Membership Professional Organisations	Member of American Chemical Society, USA MRACI Fellow of the Royal Australian Chemical Institute, Australia Member of American Oil Chemist Society (AOCS), USA Member of The New York Academy of Sciences (NYAS), USA
Editorial role	Associate editor: Journal of Applied Bioanalysis (JAB), Current Chromatography, Review in separation science (RSS) and Frontier in Chemistry Reviewers: Food Chemistry, Journal of CO2 Utilization, Applied Science, Molecules, Food & Nutrition Research and so on.
Key Research Experience & Interests	Analytical Chemistry , Chromatography, Multidimensional GC , MDGC, GC×GC, Mass spectrometry, TLC, FTIR, extraction methods, Data science , R programming Supercritical Fluid Technology, Metabolomics , Chemometrics , Neural Network
Professional Skills	Project management, International collaboration, Working in deadline , Scientific communication, Providing scientific training , Troubleshooting technical challenges, Experimental design
Technical Competency	One dimensional GC, LC, Multidimensional MDGC , GC×GC , Hyphenated GC-QMS, GC-QQQ, GC-QTOF, HPLC-QTOF, UPLC-TOF and Pressure tuning GC×GC
Software Proficiency	Programming language: R (advance) General: MS office, SPSS, SigmaPlot, Matlab (intermediate) Chromatography: ChemStation, MassHunter, Origin Metabolomics & Chemometrics: XC-MS, MZmine, WEKA, SIMCA, The Unscrambler
Key Awards	Monash Graduate Scholarship (MGS) from Monash University, Australia, 2014 International Postgrad Research Scholarship (IPRS) from Monash University, Australia, 2014
Medal	Richard sack's award , 13 th GCxGC and 40 th ISCC, Italy, 2016 Bronze medal at Malaysian Technology expo, 2014. Gold medal at IIUM Research, Invention and Innovation Exhibition 2013

Languages	English (excellent); English Test (IELTS 7) Mother Language: Bengali
Certification	Project Management , Goal Achievement and Personal Brand -Leap into Leadership program from Monash University Australia. Training courses on UPLC-QTOF, ICP-OES and GC-iQT MS/MS - Perking Elmer Australia
Community Leadership	Publication secretary (executive 2016-18) and Sports secretary (executive 2015-16) of Bengali Language and Cultural School Melbourne, Australia.
Highlighted Work	LC-GC magazine highlights my work in all three editions. https://secure.link/crRe9IwT “ Highlighted Outstanding work from Authors in Australia ” published by American Chemical Society, 2016. Link: https://secure.link/qdMNeD6k SeperationNOW magazine highlighted the work published in Biomedical Chromatography (2015) in a news, Link: https://secure.link/mxSBsHKI
Publications	Over 17 research papers and 15 conference proceedings. Sum of the Times Cited: 1462 ; h-index: 11 ORCID https://secure.link/3X75ZL8I Scopus https://secure.link/H7tkqmS4
Selected publication	Sharif, K.M., Kulsing, C., Marriott, P.J. (2016). Pressure tuning of first dimension columns in comprehensive two-dimensional gas chromatography. Analytical Chemistry , 88, 9087-9094. Sharif, K.M., Chin, S.T., Kulsing, C., Marriott, P.J. (2016). The microfluidic Deans switch: 50 years of progress, innovation and application. TrAC Trends in Analytical Chemistry , 82, 35-54. Sharif, K.M. & Marriott, P.J. (2018). Pressure tuning: Increasing the flexibility of comprehensive two-dimensional gas chromatography, LCGC Europe , 31(8), 422–426. Sharif K.M., Rahman M. M., Azmir J., Khatib A., Hadijah S., Zaidul I.S.M. (2015). Multivariate analysis of PRISMA optimized TLC image for predicting antioxidant activity and identification of contributing compounds from <i>Pereskia bleo</i> . Biomedical Chromatography , 29(12), 1826-33. Sharif, K.M., Rahman, M.M., Azmir, J., Mohamed, A., Jahurul, M.H.A., Sahena, F., Zaidul, I.S.M. (2014). Experimental design of supercritical fluid extraction. Journal of Food Engineering , 124, 105–116.
References	Jane E. Hill, PhD Assoc. Professor, Thayer School of Engineering, Dartmouth College. 14 Engineering Dr., Hanover, NH 03755 Contact info: Upon request Relationship: Post-doc PI Philip J. Marriott, PhD Professor, School of Chemistry Monash University, 17, Rainforest Walk, 3168 Clayton, VIC, Australia Contact info: Upon request Relationship: PhD supervisor