



CV OF PROF. MD. MOKLESUR RAHMAN SARKER, Ph. D.

**Professor and Head of Academic & Research Affairs
Department of Pharmacy, State University of Bangladesh (SUB)
&**

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BIOGRAPHY AT A GLANCE

- **Academic degree:** Ph. D. in Immunopharmacology (by research), Master of Pharmacy (Thesis), and Bachelor of Pharmacy (Hons.) degrees.
- **Job Experience:** Eighteen years' teaching, research and working experiences in universities and pharmaceutical industries.
- **Skilled in:** *Designing & execution of High Impact Research; Expert in conducting In-vitro, In-vivo, Ex-vivo, and Clinical studies.*
- **Present position:** Professor and Head of Academic & Research Affairs, Department of Pharmacy; and Director, Institutional Quality Assurance Cell (IQAC), State University of Bangladesh
- **Publications:** Articles published in peer reviewed journals: 63, manuscripts in review/in-process of publication: 15, Conference abstracts: 19, Oral/poster presentation: 17, H-Index: 8, Citations: 258, i 10-index: 6, Popular articles published in other journals/periodicals/magazines: 12.
- **Research Experience & Interest:** Diabetes, Antidiabetic agents; Antibiotic Resistance; Immunomodulating agents; Cancer, Anticancer agents; Lipid lowering agents; Functional foods, Nutraceuticals; Prophetic medicines; Rational use of antibiotics/anticancer/antidiabetic/lipid lowering drugs, Anti-smoking research.
- **Research Grants:**
Project Leader, BKP Research Grant, University of Malaya in 2014 (RM 35,000)
Project leader of HIR Grant, University of Malaya: Allocated HIR fund for the project (RM 80,000)
Representative Researcher of MABL Chair for Prophetic Medicine, Saudi Arabia and
Coordinator of a research grant obtained from MABL, Taibah University, KSA (USD 44,000)
- **Current research projects and supervision:** Current/in-progress research projects 10: Currently supervising 1 Post-Doctoral Research Fellow, 1 PhD student, 17 Master students, 6 Bachelor of Pharmacy students, and 2 funded research projects.
- **Research projects completed:** 35 different research projects already completed. In the past, I have supervised 3 PhD, 45 Master of Pharmacy and 39 Bachelor of Pharmacy (Hons.) students.
- **Editorial Board Member and Reviewer in Peer Reviewed Journals:** 28 peer reviewed international journals as an Editor-in-Chief or Editorial Board Member or Associate Editor or Reviewer.
- **Patents:** Registered a PATENT for the discovery mechanism of action of 6-Shagaol for the treatment of brain tumor (GBM). Applied for patents of another 2 novel preparations having antidiabetic and immune-boosting potentials from functional foods/nutraceuticals.
- **Conference/seminar attended:** 16.
- **Membership in or affiliation with professional societies:** 12
- **Professional Certification:**
Obtained **GCP (Good Clinical Practice)** Certificate from the **Ministry of Health, Malaysia** as a Clinical Researcher to conduct clinical studies/trials.
- **Professional Recognition:** Biography is listed in the Marquis Who's Who in the World 2016 (33rd Edition) (VIP Number: 37008993).

ACADEMIC BACKGROUND

Ph. D. in Pharmaceutical Sciences (Immunopharmacology)

(April 2007 to March 2010)

Awarded with the highest Academic grade: A (80-100% marks)

Department of Immunochemistry, Faculty of Pharmaceutical Sciences

Okayama University, Japan.

Master of Pharmacy (Thesis) degree of 1996 held in 2000

Department of Pharmacy, Jahangirnagar University, Bangladesh.

Bachelor of Pharmacy (Hons.) degree of 1995 held in 1998

Department of Pharmacy, Jahangirnagar University, Bangladesh.

Higher Secondary Certificate (HSC) in 1991

Govt. Carmichael College, Rangpur, Rajshahi Board, Bangladesh.

Secondary School Certificate (SSC) in 1989

Obtained First Division

Kadirabad High School, Rangpur, Rajshahi Board, Bangladesh.

EMPLOYMENT RECORDS

- **Professor and Head, Academic and Research Affairs (22 January 2017 – Till date)**
Department of Pharmacy, State University of Bangladesh, Dhaka 1205, Bangladesh
- **Associate Professor and Head of Pharmacology Dept. (01 Dec 2014 – 30 Dec 2016)**
Faculty of Pharmacy, Lincoln University College, 47301 Petaling Jaya, Malaysia
- **Visiting Research Fellow and Principal Investigator for Antidiabetic Drug Research (01 August 2013 – 30 November 2014)**
Clinical Investigation Centre, Faculty of Medicine, University of Malaya, Malaysia
- **Assistant Professor (08 March 2012 - 30 July 2013)**
Department of Pharmacy, Primeasia University, Dhaka, Bangladesh
- **Assistant Professor and Head of the Department (15 February 2011 - 07 March 2012)**
Department of Pharmacy, Daffodil International University, Dhaka, Bangladesh
- **Assistant Professor (01 June 2010 – 14 February 2011)**
Department of Pharmacy, World University of Bangladesh, Dhaka, Bangladesh
- **Product Executive (PMD) and Assistant Manager (International Marketing) (01 Jun 2000 - 01 Feb 2007)**
Biopharma Laboratories Ltd., Dhaka, Bangladesh.

PROFESSIONAL CERTIFICATION

1. **Registered “A” Grade Pharmacist** (Reg. No. A 1920/99) licensed by Pharmacy Council of Bangladesh since 14th October, 1999.
2. **GCP (Good Clinical Practice) certified clinical researcher** licensed by the Ministry of Health, Malaysia, to conduct clinical studies/trials

PROFESSIONAL RECOGNITION

Biography published in the *Marquis Who's Who in the World 2016* (33rd Edition)

(VIP Number: 37008993).

ADMINISTRATIVE POSITIONS/PARTICIPATION IN UNIVERSITY COMMITTEE

- Head, Academic & Research Affairs, Dept. of Pharmacy, State Univ. of Bangladesh (Jan 2017 - present).
- Director, Institutional Quality Assurance Cell (IQAC), State University of Bangladesh (Dec 2017-present)
- Head, International Collaboration & Accreditation, State University of Bangladesh (Jan 2017 - till date).
- Head, Research Policy and Publication Committee, State University of Bangladesh (June 2017 - till date)
- Head, Animal Ethics Committee, State University of Bangladesh (Since November 2017- till date)
- Executive Member, Human Ethics Committee, State University of Bangladesh (November 2017- till date)
- Member, Academic Committee, State University of Bangladesh (Jan 2017 - till date).
- Head, Syllabus Committee, Dept. of Pharmacy, State University of Bangladesh (Mar 2017 - till date).
- Head, Self-Assessment Committee (IQAC), Department of Pharmacy, State University of Bangladesh (Apr 2017 – November 2017).
- Head, Department of Pharmacology, Faculty of Pharmacy, Lincoln University College Malaysia (Dec 2014 – Dec 2016).
- Chairman, Animal Ethics Committee, Lincoln University College Malaysia (Jul 2015 – Dec 2016).
- Head, Animal Experiment Facility, Lincoln University College Malaysia (Feb 2015 – Dec 2016).
- Member, Human Ethics Committee, Lincoln University College Malaysia (Jan 2016 – Dec 2016).
- Coordinator for Journal and Publication, Lincoln University College Malaysia (Oct 2015 – Dec 2016).
- Member, Lincoln University College Post Graduate Study Committee (Jan 2015- Dec 2016).
- Member, Lincoln University College Post Grad Thesis Evaluation Committee (Jan 2015- Dec 2016).
- Member, Faculty of Pharmacy Curriculum Review Committee, Lincoln University College Malaysia (Jan 2015 – Dec 2016).
- Member, Faculty of Pharmacy Examination Committee, Lincoln University College Malaysia (Jan 2016 – Dec 2016).
- Team leader for Good Manufacturing Practice (GMP) and member of Steering Committee of MAXURA Healthcare Sdn. Bhd. (the research and commercialization of herbal and cosmetic manufacturing plant of Lincoln University College Malaysia) (Jan 2015 – Dec 2016).
- Coordinator, Faculty of Pharmacy Post Graduate Program, Lincoln University College Malaysia (Feb 2016 – Aug 2016).
- Member, Faculty of Pharmacy Post-Graduate Program Committee, Lincoln University College Malaysia (Feb 2015 – Dec 2015).
- Coordinator of the curriculum committee for Master in Tissue Engineering program (new) under the Faculty of Medicine in the University of Malaya (2014).
- Head, Department of Pharmacy, Daffodil International University, Bangladesh (Feb 2011 - Mar 2012).
- Member, Curriculum modification committee for 4 years Bachelor of Pharmacy (Hons.) program in the department of Pharmacy, Primeasia University, Dhaka, Bangladesh (2012).
- Head, Department of Pharmacy, Daffodil International University, Dhaka, Bangladesh (Feb 2011 - Mar 2012).
- Coordinator, Curriculum committee for M. Pharm. program (new), Dept. of Pharmacy, Faculty of Science & Technology in Daffodil International University, Bangladesh (2011).

RESEARCH EXPERIENCES

1. **Research Supervision:** I am experienced to supervise several research projects Post-Doctoral, PhD, Master, Bachelor students'. Besides, I have supervised research projects/worked as the PI of several funded research grants.
2. **Coordinator and Principal Investigator (1 year):** *Research project on antitumor and immunopotentiating activity of a novel formulation from Prophetic medicine against Glioblastoma multiforme brain tumor* funded by MABL Chair for Scientific Miracles of Prophetic Medicine, Taibah University, Ministry of Higher Education, Saudi Arabia (2016).
3. **Principal Investigator (1 year 6 months):** *High Impact Research (HIR) project in Faculty of Medicine, University Malaya, on the efficacy and safety of sitagliptin in animal model* funded by HIR Grants, Ministry of Higher Education Malaysia & University Malaya (2014).
4. **Principal Investigator (1 year):** *High Impact Research (HIR) project on the impact of physical exercise on tissue, bone marrow, organs in type 2 diabetic SD rats* funded by HIR grants, Ministry of Higher Education Malaysia and University of Malaya (2014).
5. **Ph. D. Research (3 years):** *Studies on the Enhancement of Antigen-Specific Antibody Production in Murine B Cells by the Extract of Bell Pepper Flesh.* Department of Immunochemistry, Faculty of Pharmaceutical Sciences, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan (2010).
6. **Post-Graduate Research Project:** *Preliminary screening indigenous plants extracts from Bangladesh on polyclonal IgM antibody production and proliferation of murine splenic cells in vitro.* I have pursued this research as a Research Scholar in the Faculty of Pharmaceutical Sciences of Okayama University, Japan (2010).
7. **Post-Graduate Research Project:** *Assessment of immunostimulating activity of 36 Ayurvedic preparations for the production of antibody and proliferation of splenic B cells in vitro.* I have pursued this research as a Research Scholar in the Faculty of Pharmaceutical Sciences of Okayama University, Japan (2009).
8. **Post-Graduate Research Project:** *Evaluation of anticancer and immunostimulating potentiality of keyhole limpet hemocyanin (KLH) in vitro and in vivo.* I have pursued this research as a Research Scholar in the Faculty of Pharmaceutical Sciences of Okayama University, Japan (2008).
9. **Research Scholar (2 months):** *Studies on the Regulatory Substances for B Cell Differentiation to Plasma Cells.* Department of Life Science and Drug Discovery, Faculty of Pharmaceutical Sciences, Okayama University, Japan (2007).
10. **Post-Graduate Research Project:** *Preliminary evaluation of immunostimulating activity of some popular fruits of Bangladesh for the production of IgM antibody and proliferation of B cells in vitro.* I have pursued this research as a Research Scholar in the Faculty of Pharmaceutical Sciences of Okayama University, Japan (2007).
11. **Post-Graduate Research (4 months):** *Investigations of anticancer properties of marine plants for the invention of novel anticancer agents.* Lab. of Molecular Biology, Dept. of Life Sciences, College of Natural Sciences, Cheju National University, South Korea (2003).

RESEARCH SUPERVISING SKILLS

1. **Currently supervising:** Research projects of 1 Post-Doctoral Fellow, 1 PhD, 13 Master of Pharmacy (thesis group), 10 Master of Pharmacy (project group), 6 Bachelor of Pharmacy students, and 2 funded research projects in different academic and research institutions in Bangladesh and Malaysia.
2. **Supervised research projects:** In the past, I have supervised thesis and research projects of 1 Post Doc, 3 PhD students, 56 Master's students and 36 Bachelor of Pharmacy (Hons.) students'.

LIST OF PhD RESEARCH PROJECTS SUPERVISED

- 1) Title of the thesis: **Investigations of anti-hyperglycemic and anti-lipidemic activity of *Brassica oleracea* in type 1 and type 2 diabetic Sprague-Dawley rats and isolation of active ingredients.**
As main supervisor (Faculty of Pharmacy, Lincoln University College Malaysia)
Completed in 2016.
- 2) Title of the thesis: **Investigation of antidiabetic and antilipidemic potential of isolated flavonoids from *Pericampylus glaucus* Lamk Merr in type 2 diabetic Sprague-Dawley (SD) rats.**
As co-supervisor (Faculty of Pharmacy, Lincoln University College Malaysia)
Completed in 2016.
- 3) Title of the thesis: **Adaptogenic and Nootropic potential of isolated flavonoids from *Epipremnum aureum* in Sprague-Dawley rats.**
As co-supervisor (Faculty of Pharmacy, Lincoln University College Malaysia)
Completed in 2016.

**MASTERS RESEARCH PROJECTS SUPERVISED (56 STUDENTS:
16 PROJECTS)**

- 1) **Project title: Prevalence, risk factors, knowledge of and prevention activities against gestational diabetes mellitus among women receive antenatal care (ANC) services from private and govt hospitals in Dhaka city: a cross-sectional study.**
My role: Main supervisor (State University of Bangladesh)
Completion year: Dec 2017
- 2) **Project title: Prescribing frequency, pattern and rationality of antibiotics prescribed by the general physicians practicing in government and private hospitals in Dhaka city.**
My role: Main supervisor (State University of Bangladesh)
Completion year: Dec 2017
- 3) **Project title: Prescribing frequency, pattern and rationality of antibiotics prescribed by the skin specialists practicing in government and private hospitals in Dhaka city.**
My role: Main supervisor (State University of Bangladesh)
Completion year: Dec 2017
- 4) **Project title: Prescribing frequency, pattern and rationality of antibiotics prescribed by the pediatricians practicing in government and private hospitals in Dhaka city.**
My role: Main supervisor (State University of Bangladesh)
Completion year: Dec 2017
- 5) **Project title: Determinants of antibiotics misuse by retail pharmacy sales in different regions of Dhaka city: a cross-sectional study.**
My role: Main supervisor (State University of Bangladesh)
Completion year: Dec 2017
- 6) **Project title: Study of diabetes related complications and risk factors associated with type 2 diabetes mellitus, and the type of medications received by diabetic patients in Bangladesh .**
My role: Main supervisor (State University of Bangladesh)
Completion year: 2017
- 7) **Project title: Knowledge, awareness and prevention of diabetes among the university students in Bangladesh: a cross-sectional study.**
My role: Main supervisor (State University of Bangladesh)
Completion year: 2017

- 8) **Project title: Evaluation of a novel formulation of functional foods for hypoglycemic and weight loss activity in Balb/c mice feed with high-fat-diet.**
My role: Main supervisor (Lincoln University College Malaysia)
Completion year: 2016
- 9) **Project title: Studies of the antidiabetic potential of a novel formulation from Prophetic Medicine in streptozotocin-induced diabetic Balb/c mice.**
My role: Main supervisor (Lincoln University College Malaysia)
Completion year: 2016
- 10) **Project title: Evaluation of antidiabetic activity of a novel formulation of functional foods in streptozotocin induced diabetic Balb/c mice model.**
My role: Main supervisor (Lincoln University College Malaysia)
Completion year: 2016
- 11) **Project title: Use of complementary and alternative medicines by the Malaysians for the treatment of diabetes mellitus: a cross-sectional study.**
My role: Main supervisor (Lincoln University College Malaysia)
Completion year: 2016
- 12) **Project title: Use of complementary and alternative medicines by the Arabians living in Malaysia for the treatment of diabetes mellitus: a cross-sectional study.**
My role: Main supervisor (Lincoln University College Malaysia)
Completion year: 2016
- 13) **Project title: Investigations of hypoglycemic and anti-inflammatory activities of Shiitake (*Lentinula edodes*), Gano (*Ganoderma lucidum*) and Oyster (*Pleurotus ostreatus*) mushrooms in Alloxan-induced and steroid- treated diabetic Long evans rats.**
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2013
- 14) **Project title: Studies of the impact of occupational exposure on pharmaceutical workers to the development of antimicrobial drug resistance.**
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2012
- 15) **Project title: Prescription trend of antidiabetic drugs for type 2 diabetic outpatients in Bangladesh – a cross sectional health survey conducted in Dhaka city in Bangladesh.**
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2013
- 16) **Project title: In vitro studies of the dissolution profile of different brands of enteric coated Rabeprazole tablets manufactured and marketed in Bangladesh.**
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2012
- 17) **Project title: Prevalence and risk assessment of cardiovascular, chronic kidney disease, osteoarthritis and eye complications among type 2 diabetes outpatients in Bangladesh.**
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2013

**BACHELOR OF PHARMACY (HONS.) RESEARCH PROJECTS SUPERVISED
(36 STUDENTS: 13 RESEARCH PROJECTS)**

- 1) Project title: **Randomized double-blinded pilot clinical study of a Gymnema-based herbal formulation.**
My role: Supervisor (State University of Bangladesh)
Completion year: 2018
- 2) Project title: **Randomized double-blinded pilot clinical study of a Bitter gourd-based herbal formulation.**
My role: Supervisor (State University of Bangladesh)
Completion year: 2018
- 3) Project title: **Randomized double-blinded pilot clinical study of a Fenugreek-based herbal formulation.**
My role: Supervisor (State University of Bangladesh)
Completion year: 2018
- 4) *Project title: Investigation of biological properties of leaf of *Psidium guajava* L. (family: Myrtaceae).*
My role: supervisor (State University of Bangladesh)
Completion year: 2017
- 5) *Project title: Biological and pharmacological investigation of *Hygroryza arista* (Retzins) Nees ex Wt. and Arn.*
My role: supervisor (State University of Bangladesh), Completion year: 2017
- 6) *Project title: Investigation of biological properties of fruit peel of *Citrus lemon* L. (family: Rutaceae).*
My role: supervisor (State University of Bangladesh)
Completion year: 2017
- 7) *Project title: Evaluation of the quality status of different brands of Ranitidine tablets manufactured in Bangladesh by spectrophotometric analysis.*
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2012
- 8) *Project title: Quality analysis of different brands of Pantoprazole tablets marketed in Bangladesh.*
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2012
- 9) *Project title: In-vivo screening for anti-diabetic activities of different extracts of indigenous plant of Bangladesh in Switch Albino mice.*
My role: Main supervisor (Primeasia University, Bangladesh)
Completion year: 2012
- 10) *Project title: Awareness, prevalence and treatment facilities of cancers in Bangladesh-A study conducted in the hospitals and clinics at Dhaka city in Bangladesh.*
My role: Main supervisor (Daffodil International University, Bangladesh)
Completion year: 2011
- 11) *Project title: Concept of Pharmacy students studying in different universities at Dhaka city on Ayurvedic, Unani and Herbal Medicines.*
My role: Main supervisor (Daffodil International University, Bangladesh)
Completion year: 2011

- 12) *Project title: Perception of Pharmacy students of Bangladesh towards present education system, job facilities, higher research and future prospects.*

My role: Main supervisor (Daffodil International University, Bangladesh)

Completion year: 2011

- 13) *Project title: Prevalence, treatment facilities, knowledge, and awareness about HIV/AIDS among the urban people of Dhaka city in Bangladesh.*

My role: Main supervisor (Daffodil International University, Bangladesh)

Completion year: 2011

TEACHING AREAS

Pharmacology (Diabetes and Antidiabetic drugs, Immunomodulating agents, Anticancer drugs, Antimicrobial drugs), Functional Foods and Nutraceuticals, Clinical Pharmacy, Clinical Pharmacology, Pharmaceutical Immunology, Research Methodology, Complementary and Alternative Medicines, and Prophetic Medicines.

RESEARCH INTERESTS AND AREAS

- Diabetes and Anti-diabetic drugs
- Antibiotic Resistance
- Rational use of antibiotics, anticancer, antidiabetic and lipid lowering drugs
- Cancer and Anticancer agents
- Immunomodulating agents
- Lipid-lowering agents
- Prophetic Medicines
- Functional Foods, Food Supplements and Nutraceuticals
- Traditional, Complementary & Alternative Medicines
- Adulteration of foods, herbal medicines, food supplements and its impact on health
- Anti-smoking research

RESEARCH GRANTS

- [1] **Grant name: MABL (Moalim BinLaden chair for Scientific Miracles of Prophetic Medicine) Research Grant: USD 44,000** (Grant No: MABL 37/07) 2016
Project Title: Assessment of antitumor and immunopotentiating activity of a novel formulation from Prophetic medicine against Glioblastoma multiforme brain tumor.
Grant provider: Moalim BinLaden Chair for Scientific Miracles of Prophetic Medicine (MABL), Taibah University, Ministry of Higher Education, KSA
My role: Representative Researcher of MABL, Coordinator and Investigator of the project.
- [2] **Grant name: High Impact Research (HIR) Grant: Malaysian Ringgit 80,000**
Grant No: HIR Grant (No. A-000003-50001) (grant allocated) 2013
Project Title: Effect of exercise on the Pharmacodynamics of Sitagliptin (alone or in combination with other hypoglycemic drugs), organ functions, biochemical, humoral and cellular immunological changes in Type 2 diabetic Sprague-Dawley (SD) rats.
Grant provider: HIR Grant, University of Malaya, Ministry of Higher Education, Malaysia
My role: Principal Investigator of the project
- [3] **Grant name: University of Malaya Research Fund Assistance (BKP): Malaysian Ringgit 35,000** (2014)
Project Title: Effect of exercise on the antidiabetic efficacy of Sitagliptin/Exenatide; on the functions of pancreas, kidney and liver; on biochemical and immunological changes in type 2 diabetic SD rats.
My role: Principal Investigator

- [4] **Grant name: Post-Graduate Students' Research Support: Bangladeshi Taka 30,000**
Master of Pharmacy student's thesis title: Investigations of anti-diabetic activity of Shiitake, Gano and Oyster mushrooms in alloxan-induced and steroid treated diabetic Long evans rats.
Grant provider: Primeasia University, Bangladesh
My role: Main supervisor of a Master student (2013)
- [5] **Grant name: Post-Graduate Students' Research Support: Bangladeshi Taka 20,000**
Master of Pharmacy student's research project title: Studies of the impact of occupational exposure on pharmaceutical workers to the development of antibiotic drug resistance.
Grant provider: Primeasia University, Bangladesh
My role: Main supervisor of this project (2012)
- [6] **Grant name: Bachelor Students' Research Project Support: Bangladeshi Taka 15,000**
Bachelor of Pharmacy student's project title: Evaluation of the quality of different brand of Ranitidine tablets manufactured in Bangladesh.
Grant provider: Primeasia University, Bangladesh
My role: Project supervisor (2013)
- [7] **Grant name: Bachelor Students' Research Project Support: Bangladeshi Taka 12,000**
Bachelor of Pharmacy student's project title: Quality analysis of different brands of Pantoprazole tablets manufactured in Bangladesh.
Grant provider: Primeasia University, Bangladesh
My role: Project supervisor (2013)
- [8] **Grant name: Bachelor Students' Research Project Support: Bangladeshi Taka 15,000**
Bachelor of Pharmacy student's project title: *In-vivo* screening for anti-diabetic activities of different extracts of indigenous plant of Bangladesh in Switch Albino mice.
Grant provider: Primeasia University, Bangladesh
My role: Project supervisor (2012)

LIST OF PUBLICATIONS

PUBLICATION SUMMERY

- Articles published/accepted in peer reviewed journals: 63 (Articles published in world renowned publishers including Elsevier, Willey-BlackWell, Informa Healthcare, PLOS ONE, Walters Kluwer-Medknow, BioMed Central, Taylor & Francis, Frontiers, etc.)
- Manuscripts in review/in process of publication: 15
- Google scholar H-Index: 8, i 10-index: 6, Citation: 258
- Conference abstracts: 19
 - ❖ Received the best poster presenter in the international conference on industrial pharmacy 2014 held in International Islamic University Malaysia
 - ❖ The Best oral presenter in ISE SFEC National Conference on Drug Discovery and Development from Natural Sources held at University of Dhaka 2017
- Conferences/Scientific seminars presentation/attended: 17
(Presented one of my research paper as a speaker in a conference on Functional Foods for Health and Disease in Harvard University, USA in 2015)
- Popular articles published in periodicals/magazines, etc.: 12
- Patent: 1 registered and 2 in-progress.

ARTICLES PUBLISHED IN PEER REVIEWED JOURNALS (63)

2018

1. Jahan E, Fen NC, Ming LC, Yen WY, **Sarker MMR**. *Self-care and self-management among type 2 diabetes mellitus patients- A focused review*. *Frontiers in Endocrinology* 2018; doi: 10.3389/fendo.2018.00489 (ISI Impact Factor: 3.3519).
2. Chen Y, Liu Y, **Sarker MMR**, Yan X, Yang C, Zhao L, Lv X, Liu B, Zhao C. *Structural characterization and antidiabetic potential of a novel heteropolysaccharide from Grifola frondosa via IRS1/PI3K-JNK signaling pathways*. *Carbohydrate Polymers* 2018; 198: 452-461 (ISI Impact Factor: 5.158)..
3. Shajib MS, Rashid RB, Long MC, **Sarker MMR**, Islam S, Lutfun Nahar, Satyajit Dey Sarker, Bidyut Kanti Datta, Mohammad Abdur Rashid. *Polymethoxyflavones from Nicotiana plumbaginifolia (Solanaceae) exert antinociceptive and neuropharmacological effects in mice*. *Frontiers in Pharmacology* 2018; 9:85 (ISI Impact Factor: 4.4) (doi:10.3389/fphar.2018.00085).
4. Nesa MS, Karim SMS, Api K, **Sarker MMR**, Islam MM, Kabir A, Sarker MK, Nahar K, Asaduzzaman M, Munir MS. *Screening of Baccaurea ramiflora(Lour.) extracts for cytotoxic, analgesic, anti-inflammatory, neuropharmacological and antidiarrheal activities*. *BMC Complementary & alternative medicine* 2018; 18:35 (ISI Impact Factor: 2.195) (DOI 10.1186/s12906-018-2100-5).
5. Yang C, **Sarker MMR**, Wu Y, Lin L, Liu B, Zhao C. *Antidiabetic potential of oligosaccharides from brown seaweed Sargassum confusum via JNK-IRS1/PI3K signaling pathways*. *Frontiers in Pharmacology*-Accepted.

2017

6. Sheikh FICS BY, **Sarker MMR***, Kamarudin MNA and Ismail A. *Prophetic Medicine as potential functional food elements in the intervention of cancer: A review*. *Biomedicine and Pharmacotherapy* 2017; 95:614-648 (ISI Impact Factor: 2.759).
7. Hossain G, Uddin SM, Islam A, Saw A, Lestrel PE, Banna H, **Sarker MMR**. *Factors Associated With HIV Testing Behaviors among Female Sex Workers in Rajshahi City, Bangladesh*. *Journal of Life Sciences* 2017; 9(2): 104-110 (Taylor & Francis Group).
8. Sheikh BY, **Sarker MMR***, Kamarudin MNA, Mohan GMD. *Chrysin inhibited cell proliferation and induced ROS-mediated mitochondrial-mediated apoptosis in human glioblastoma multiforme T98G cells*. *Frontiers in Pharmacology* (ISI Impact Factor: 4.4)-In Press.
9. Sheikh BY, **Sarker MMR***, Kamarudin MNA, Mohan GMD. *Antiproliferative and apoptosis inducing effects of citral via p53 and ROS-induced mitochondrial-mediated apoptosis in human colorectal HCT116 and HT29 cell lines*. *Biomedicine and Pharmacotherapy* 2017; 96:834-846 (ISI Impact Factor: 2.759).
10. Ali A, Lee KS, Bukhshb A, Al-Worafic YM, **Sarker MMR**, Ming CM, Khan TM. *Outbreak of vaccine-preventable diseases in Muslim majority countries*. Article in press: Available online: <http://www.sciencedirect.com/science/article/pii/S1876034117302411>. (Elsevier, ScienceDirect) (ISI Impact Factor: 1.439).

11. Jesuraj AV, **Sarker MMR***, Long CM, Praya MJ, and Kumar MR. *Enhancement of the production of L-Glutaminase, an anticancer enzyme, from Aeromonas veronii by adaptive and induced mutation techniques*. Plos One 2017 12(8):e0181745 (ISI Impact Factor: 3.057).
12. Sharma D, Patel RP, Zaidi STR, **Sarker MMR**, Lean QY, Ming LC. *Interplay of quality of ciprofloxacin and antibiotic resistance in developing countries*. Frontiers in Pharmacology 2017;8:546 (ISI Impact Factor: 4.4).
13. Rouhi SZT, **Sarker MMR***, Rahmat A, Alkahtani SA, Othman F. *The effect of pomegranate fresh juice versus pomegranate seed powder on metabolic indices, lipid profile, inflammatory biomarkers, and the histopathology of pancreatic Islets of Langerhans in streptozotocin-nicotinamide induced type 2 diabetic Sprague-Dawley rats*. BMC Complementary & alternative medicine 2017; 17: 156 (ISI Impact Factor: 2.195).
14. Kamarudin NMA, **Sarker MMR***, Kadir HA, Ming LC. *Ethnopharmacological uses, phytochemistry, biological activities and therapeutic applications of Clinacanthus nutans (Burm. f.) Lindau: A comprehensive review*. Journal of Ethnopharmacology 2017; 206: 245-266 (ISI Impact Factor: 2.981).
15. Ullah K, **Sarker MMR**, Khan MS, Mustapha MS, Ullah MK. *Anti-diabetic Activity of Compound "2-[(trimethylsilyl) oxy] - Methyl Ester (cas) Methyl-o-trim-ethyl-silylsalicylate" Isolated from Pericampylus glaucus (Lam) Merr in STZ-Induced Diabetic Rats*. Journal of Basic and Clinical Pharmacy 2017; 8(2): 68-73 (PUBMED, SCOPUS cited).
16. Kifayatullah M, Mustapha MS, **Sarker MMR**, Izharullah and Amin M. *Effect of compounds identified in active fraction of P. glaucus against blood glucose and lipid profile in streptozotocin-induced diabetic rats*. Egyptian Pharmaceutical Journal 2017; 16(1): 8-15 (Walters Kluwer-Medknow, PUBMED, SCOPUS cited).
17. Kifayatullah M, Mustapha MS, **Sarker MMR**, Kaleemullah, Amin M and Ali F. *Possible role of a compound identified from Pericampylus glaucus plant in controlling blood glucose in experimental animals*. Egyptian Pharmaceutical Journal 2017; 16(1): 37-42 (Walters Kluwer-Medknow, PUBMED, SCOPUS cited).
18. Das SK, Mustapha MS, Sengupta P, **Sarker MMR**. *An experimental evaluation of adaptogenic potential of standardized Epipremnum aureum leaf extract*. Journal of Pharmacy and Bioallied Sciences 2017; 9(2):88-93. (Walters Kluwer-Medknow, PUBMED, SCOPUS cited).
19. Kifayatullah M, **Sarker MMR***, Mustapha MS. *Phytochemical investigation of ethanolic extract of Pericampylus glaucus leaves from Malaysia by GC-MS analytical technique*. International Journal of PharmTech Research 9(12):410-416.
20. Kifayatullah M, Mustapha MS, **Sarker MMR**, Das SK and Sengupta P. *Effect of ethanolic extract of Pericampylus glaucus (Lam) Merr on biochemical parameters in high fats diets Sprague-Dawley rats*. Pakistan Journal of Pharmaceutical Research 2017; 3(1):1-8.
21. Krayemi AAA and **Sarker MMR**. *Evaluation of the Anti-Diabetic Activity of a Novel Formulation of Functional Foods in Streptozotocin- Induced Balb/c Diabetic Mice Model*. International Journal of Science and Research 2017; 6(2):2088-2096.
22. Elasedw EEE and **Sarker MMR**. *Evaluation of Antidiabetic Potential of A Novel Formulation from Prophetic Medicine in Streptozotocin-Induced Diabetic Balb/C Mice*. International Journal of Science and Research 2017; 6(3):857-865.

23. Salem HA and **Sarker MMR**. *Evaluation of A Novel Formulation from Functional Foods for Hypoglycemic and Weight Loss Activities in High-Fat Balb/C Mice*. International Journal of Science and Research 2017; 6(2):1020-1027.

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25. Kifayatullah M, Mustapha MS and **Sarker MMR**. *Evaluation of Anti-hyperlipidemic activity of ethanolic extract of Pericampylus glaucus (Lam) Merr in Sprague dawley rats*. Journal of Pharmacy and BioAllied Sciences (Walters Kluwer-Medknow, PUBMED, SCOPUS cited) (Ahead of Print).
26. **Sarker MMR***, Ming LC, Sarker MZI, and Choudhuri MSK. *Immunopotentiality of Ayurvedic polyherbal formulations "Saribadi" and "Anantamul Salsa" with augmentation of IgM production and lymphocytes proliferation: A preliminary study*. Asian Pacific Journal of Tropical Biomedicine 2016; 6(7): 568-573 (Elsevier, PUBMED, SCOPUS cited).
27. Saleh MS, Shaharuddin S, **Sarker MMR**, Long CM. *Safety and efficacy of Labisia pumila containing products*. Archives of Pharmacy Practice 2016; 7(1): S53-S56 (SCOPUS cited).
28. Rahim NHA, Long MC, Al-Worafi YMA, **Sarker MMR**. *A regulatory review for products containing Glutathione*. Archives of Pharmacy Practice 2016;7(1): S57-S60 (SCOPUS cited).
29. **Sarker MMR***, Rashid MS, Raju AA, Rana M, Karim MFB, Howlader NMAN and Akter R. *Evaluation of the Pharmaceutical Quality of Different Brands of Ranitidine Tablets Manufactured and Marketed in Bangladesh*. Journal of Applied Pharmaceutical Science 2016; 6(1): 055-061 (SCOPUS cited).
30. Shah MA, **Sarker MMR**, Gousuddin M. *Toxicity Study of Brassica oleracea Var. Italica Extracts in Sprague Dawley (SD) Rats*. International Journal of Pharmacognosy and Phytochemical Research 2016; 8(5): 735-741 (SCOPUS cited).
31. Shah MA, **Sarker MMR**, Gousuddin M. *Antidiabetic potential of Brassica oleracea var. Italica in type 2 diabetic sprague dawley (SD) rats*. International Journal of Pharmacognosy and Phytochemical Research 2016; 8(3): 462-469 (SCOPUS cited).

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41. Karim MFB, Imam H, **Sarker MMR**, Uddin N, Hasan N, Paul N and Haque T. *Free Radical Scavenging, Anti-Diarrhoeal and Anthelmintic Activity of Pistia stratiotes L. extract and its Phytochemical Analysis*. *Pakistan Journal of Pharmaceutical Sciences* 28 (3) 915-920 (2015) (ISI Impact Factor: 0.682).

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45. **Sarker MMR***, Imam H, Ahmed S and Choudhuri MSK. *In vitro* assessment of Prasarani Sandhan, a traditional polyherbal Ayurvedic medicine, for immunostimulating activity splenic cells of BALB/c mice. International Journal of Pharmacy and Pharmaceutical Sciences **6** (9), 13-15 (2014) (SCOPUS cited).
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48. **Sarker MMR***. Adulteration of herbal medicines and dietary supplements with undeclared synthetic drugs: dangerous for human health. International Journal of Pharmacy and Pharmaceutical Sciences **6**(4), 1-2 (2014) (SCOPUS cited).
49. **Sarker MMR***. Therapeutic efficacy and safety of traditional Ayurvedic medicines: Demands for extensive research and publications (Editorial). Journal of Homeopathy and Ayurvedic Medicines **3** (3), 2014 doi: 10.4172/2167-1206.1000e113.
50. Karim MFB, Imam H, Uddin N, Paul N, Haque T, **Sarker MMR** and Rana MS. Phytochemical and Pharmacological Investigations of *Pistia Strationtes L.* International Journal of Innovative Pharmaceutical Sciences and Research **2**(3), 640-652 (2014).

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55. **Sarker MMR***, Nimmi I and Kawsar M H. Preliminary screening of six popular fruits of Bangladesh for in vitro IgM production and proliferation of splenocytes. Bangladesh Pharmaceutical Journal **15** (1), 31-37 (2012) (SCOPUS cited).
56. Rashid MH, Gafur MA, **Sarker MMR** and Karim N. A Spinasteryl Glycoside from *Ipomoea turpethum L. Herb (Stem) Growing in Bangladesh*. Journal of Bangladesh Academy of Science **36** (1), 13-17 (2012).

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CONFERENCE ABSTRACTS (19)

1. **Sarker MMR***. *Functional food and nutraceuticals, as complementary and alternative medicine, for the prevention and treatment of chronic diseases*. 18th International Congress of International Society of Ethnopharmacology 2018 and 5th International Congress of Society for Ethnopharmacology, India, organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh, held on 13-15 January 2018.
2. **Sarker MMR***, Sumona MJ, Nesa ML. *In vitro antioxidant, membrane stabilizing, thrombolytic, antimicrobial, and cytotoxic activities of fruit peel of Citrus limon L*. 18th International Congress of International Society of Ethnopharmacology 2018 and 5th International Congress of Society for Ethnopharmacology, India, organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh, held on 13-15 January 2018.
3. **Sarker MMR***, Tabassum T, Nesa ML, Zia MRB, and Akhter S. *Prevalence and risk factors of gestational diabetes mellitus*. 8th Regional Public Health Conference 2017 organized by Bangladesh University of Health Sciences held on 29-30 December 2017.

4. **Sarker MMR***, Ghosh A, Zihad M.A.T.R., Islam M, Islam MM, Nahar M, Mustapha MS, and Ismail NE. *Antihyperglycemic activity of dietary mushrooms (Reishi, Shiitake and Oyster) on alloxan- and glucocorticoid-induced diabetic Long-Evans rats*. In: Martirosyan D, Welty F, Zhou J-R (Eds.); *Functional and Medical Foods for Chronic Diseases: Bioactive Compounds and Biomarkers*. Proceedings of 15th Intl. Conference on Functional Foods and Bioactive Compounds held at Harvard Medical School, USA (15-16 September 2015).
5. **Sarker MMR***, Zihad MATR, Islam M, Shah MA, Kifayatullah M, Das SK, Nahar M, Ghosh A, and Ismail NE. *Shiitake mushroom: potential glycemic control activity on alloxan- and glucocorticoid-induced diabetic Long-Evans rats*. *Malaysian Journal of Pharmacy* 2 (1): 82 (2015).
6. **Sarker MMR***, Choudhuri MSK, Jesuraj SAV, Rajamanickam G, Mustapha MS, Natarajan SB, and Ismail NE. *Augmentation of humoral immunity by an Ayurvedic herbal preparation, Anantamul Salsa in vitro*. *Malaysian Journal of Pharmacy* 2 (1): 177 (2015).
7. **Sarker MMR***, Imam H, Rana MJ, Tarek K, Ponnusamy V, and Ismail NE. *Prevalence and risk assessment of cardiovascular disease, chronic kidney disease, osteoarthritis, retinopathy, impotency and cancer among type 2 diabetic out patients in Bangladesh*. *Malaysian Journal of Pharmacy* 2 (1): 104 (2015).
8. Shah MA, **Sarker MMR**, and Gousuddin M. *Antidiabetic and Lipid Lowering Potential of Brassica oleracea var. Italica in Type 2 Diabetic Sprague-Dawley (SD) Rats*. *Malaysian Journal of Pharmacy*, Vol. 2, Issue 1 (2015).
9. Jesuraj SAV, Ismail NE, **Sarker MMR**, Praya MJ, and Ravikumar M. *Antiproliferative Activity of L-Glutaminase from Aeromonas veroni on A549 and HT29 Cell Lines*. *Malaysian Journal of Pharmacy*, Vol. 2, Issue 1 (2015).
10. Natarajan SB, Ismail NE, **Sarker MMR**, and Moorthy VSN. *Formulation of Stable Solid Dispersion Containing Artemether into Fast Disintegrating Tablets*. *Malaysian Journal of Pharmacy*, Vol. 2, Issue 1, page 165 (2015).
11. Rajamanickam G, Selveraj S, Rejendran T, **Sarker MMR**, and Ismail NE. *Synthesis and Cardioprotective Effects of Novel Series of Combination of Quinazoline-Thiadiazole Against Isoproterenol-Induced Hypertrophy*. *Malaysian Journal of Pharmacy*, Vol. 2, Issue 1, Page 152 (2015).
12. **Sarker MMR***, Sarker MZI, and Choudhuri MSK. *Promotion of Humoral Immunity by an Ayurvedic Herbal Preparation, Saribadyarista*. Abstract published in 1st International Conference on Industrial Pharmacy (ICIP), organized by International Islamic University Malaysia held at Kuantan, Pahang, Malaysia (16-17 August 2014).
13. **Sarker MMR***. *Enhancement of humoral immunity by Ayurvedic herbal preparations*. *Journal of Clinical and Cellular Immunology* 4:5 (2013). Abstract published in the 2nd International Conference on Clinical & Cellular Immunology organized by OMICS Group Conferences held at Hampton Inn Tropicana, Las Vegas, USA (15-17 October 2013).
14. **Sarker MMR*** and Choudhuri MSK. *Immunostimulating activity of Ayurvedic preparations Saribadi, Anantamool Salsa, Mrittunjoy and Saribadyarista in vitro*. International conference on Updates on Natural Products in Medicine and Healthcare Systems jointly organized by Biotechnology and Genetic Engineering Discipline, Khulna University, and University of Wolverhampton, UK, held at Khulna, Bangladesh (July 6, 2013).
15. Imam H, Mahbub NU, Khan MF, Hana HK, and **Sarker MMR**. *Alpha amylase enzyme inhibitory and anti-inflammatory effect of Lawsonia inermis*. International conference on Updates on Natural Products in Medicine and Healthcare Systems jointly organized by Biotechnology and Genetic Engineering Discipline, Khulna University, and University of Wolverhampton, UK, held at Khulna, Bangladesh (July 6, 2013).

16. Goto T, **Sarker MMR***, Tsuji T, Zhong M, Tanaka S, and Gohda E. *Differentiation of B cells to plasma cells enhances by the extract of Capsicum annuum (L.) in vitro*. The 130th International scientific conference organized by Pharmaceutical Society of Japan, held at Okayama University, Japan (28 March 2010).
17. Das SK, Sengupta P, **Sarker MMR**, and Ismail NE. *Phytochemical and Toxicological Study of Standardized Extract of Epipremnum aureum in Rodents*. Malaysian Journal of Pharmacy 2 (1): 181 (2015).
18. Ismail NE, Ahmad S, **Sarker MMR**, Lim AWH, Ishak NA, Husin N, and Johari AN. *Knowledge, Attitude and Practice Towards Leptospirosis among Malaysian Wet Market Sellers*. Malaysian Journal of Pharmacy 2 (1): 107 (2015).
19. Ismail NE, Ahmad S, **Sarker MMR**, Ishak NA, Husin NS, and Johari AN. *Measurement of Stigmatisation Level Towards Mental Illness Patients Among Urban and Rural Communities*. Malaysian Journal of Pharmacy 2 (1): 114 (2015).

NON-RESEARCH ARTICLES PUBLISHED IN JOURNALS, PERIODICALS, MAGAZINES, ETC.

- [1] **Pharmaceutical Export: Facts and Challenges that should not be ignored (2012)**. http://www.academia.edu/2250607/Pharmaceutical_Export_Facts_and_Challenges_th_at_should_not_be_ignored-An_Analysis
- [2] **Pharmacy Profession in Bangladesh: Future Prospects and Challenges (2011)**
Web: sw.daffodilvarsity.edu.bd/action/file/download?file_guid=40064
- [3] **Recent Trend and Future Prospective of Biotechnology in Pharmaceuticals-Bangladesh Perspective**. *The Pharma World*, Vol. 2, No. 20, March- April 2011, pp. 65-72.
- [4] **Excipients-based pharmaceutical industries in Bangladesh may be a prospective and effective step towards the achievement of self-sufficiency of Pharmaceutical sector**. Published in the souvenir of Asia Pharma Expo-2011 published by Bangladesh Association of Pharmaceutical Industries (BAPI) in February 2011.
- [5] **Pharmaceutical Export Opportunities in Least Developed Countries (LDCs)**. *The Pharma World*, Vol. 2, No. 17, July-August 2010, pp. 55-56.
- [6] **Quality Assurance, Quality Control and Good Manufacturing Practices (GMPs) for pharmaceutical products**. *The Pharma World*, Vol. 1, No. 2, July 2006, pp. 30-34.
- [7] **Necessity and Scope of Pharmaceutical Research in Bangladesh**. Published on 28th March 2006 in the 35th Annual publication of Bangladesh Association of Pharmaceutical Industries, pp. 50-53.
- [8] **Pharmaceutical Sector of Bangladesh: Opportunities and Obstacles**. *The Pharma World*, Vol. 1, No. 1, June 2006, pp. 19-22.
- [9] **Opportunities for the Investment in the Pharmaceutical Sector of Bangladesh**. Published on 20 May 2006 in the Souvenir jointly published by Bangladesh Business Community and Bangladesh Embassy in Riyadh, KSA, pp. 18-20.

- [10] **The Pharmaceutical Sector of Bangladesh: A Lucrative Option for Foreign Investors.** *Health Directory of SAARC and the World – The Politics of Bangladesh*, Vol. 9, October 2006, pp. 26-28.
- [11] **Emerging Opportunities for Bangla Pharma.** Published online in Pharmabiz.com (India) and the web: blog.sina.com.cn/s/blog_694218c50100k16t.html in the year 2007.
- [12] **7th SAARC Trade Exhibition – A gateway for the development of business relationship among the SAARC countries.** *Medical Review* Vol. 18, No. 7, July 2006.

PATENTS

1. Patent on the 6-Shagaol from the Prophetic medicine for the treatment of brain tumor (Glioblastoma multiforme) – Registered.
2. Patent for a novel formulation of functional foods to improve glycemic control in type 2 diabetic patients - In progress.
3. Patent for a novel formulation of functional foods to promote immunity in immunocompromised patients - In progress.

CONFERENCES AND SCIENTIFIC SEMINARS ATTENDED (17)

1. **Oral presentation.** *Functional food and nutraceuticals, as complementary and alternative medicine, for the prevention and treatment of chronic diseases.* 18th International Congress of International Society of Ethnopharmacology 2018 and 5th International Congress of Society for Ethnopharmacology, India, organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh, held on 13-15 January 2018.
2. **Poster presentation.** *In vitro antioxidant, membrane stabilizing, thrombolytic, antimicrobial, and cytotoxic activities of fruit peel of Citrus limon L.* 18th International Congress of International Society of Ethnopharmacology 2018 and 5th International Congress of Society for Ethnopharmacology, India, organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh, held on 13-15 January 2018.
3. **Poster presentation.** *Prevalence and risk factors of gestational diabetes mellitus.* 8th Regional Public Health Conference 2017 organized by Bangladesh University of Health Sciences held on 29-30 December 2017.
4. Awarded as **the Best Speaker (Oral Presenter)** in ISE SFEC National Conference 2017 on Drug Discovery and Development from Natural Sources, held at University of Dhaka on 21 May 2017 organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh in association with University Grants Commission of Bangladesh's Higher Education Quality Enhancement Program (HEQEP) Sub-Project.
5. Participated in a seminar on *Recent advances in Stem Cell Research and its applications*, organized by Lincoln University College Malaysia on 29 January 2016.
6. **Oral presentation:** *Antihyperglycemic activity of dietary mushrooms (Reishi, Shiitake and Oyster) on alloxan- and glucocorticoid-induced diabetic Long-Evans rats.* The 18th International Conference entitled "Functional and Medical Foods for Chronic Diseases: Bioactive Compounds and Biomarkers", held at Harvard Medical School, Boston, Massachusetts, USA on September 15-16, 2015.

7. **Oral presentation:** *Shiitake mushroom: potential glycemc control activity on alloxan- and glucocorticoid-induced diabetic Long-Evans rats.* The 12th Pharmacy Scientific Conference 2015 organized by Malaysian Pharmaceutical Society held on 13-15 November, 2015.
8. **Poster presentation:** *Augmentation of humoral immunity by an Ayurvedic herbal preparation, Anantamul Salsa in vitro.* The 12th Pharmacy Scientific Conference 2015 organized by Malaysian Pharmaceutical Society be held on 13-15 November, 2015.
9. **Poster presentation:** *Prevalence and risk assessment of cardiovascular disease, chronic kidney disease, osteoarthritis, retinopathy, impotency and cancer among type 2 diabetic out patients in Bangladesh.* The 12th Pharmacy Scientific Conference 2015 organized by Malaysian Pharmaceutical Society held on 13-15 November, 2015.
10. **Poster presentation:** *Promotion of Humoral Immunity by an Ayurvedic Herbal Preparation, Saribadyarista.* The 1st International Conference on Industrial Pharmacy (ICIP), organized by International Islamic University Malaysia held on 16-17 August 2014 at Kuantan, Pahang, Malaysia and awarded with the **Best Poster Presenter in the conference.**
11. **Chaired** in a seminar on *Drug discovery from Natural Products*, organized by Lincoln University College Malaysia on 17 December 2014.
12. Participated in a seminar on *How to Write a Winning FRGS Grant Proposal*, organized by Institute of Research Management and Monitoring, held at University of Malaya on 18 February 2014.
13. **Oral presentation:** *Immunostimulating activity of Ayurvedic preparations Saribadi, Anantamool Salsa, Mrittunjoy and Saribadyarista in vitro.* The International conference on *Updates on Natural Products in Medicine and Healthcare Systems* jointly organized by Biotechnology and Genetic Engineering Discipline, Khulna University, and University of Wolverhampton, UK, funded by British Council, Dhaka, held on July 6, 2013.
14. **7th National Conference for Clinical Research (NCCR 2013):** Participated in a 3-days conference held at Seri Pacific Hotel, Kuala Lumpur, on 3-5 September 2013 organized by Ministry of Health, Malaysia.
15. **Invited speaker:** *Breast cancer awareness and screening program-* A seminar jointly organized by the Department of Pharmacy, Daffodil International University, and National Cancer Research Institute and Hospital, Dhaka, Bangladesh on 14 February 2012.
16. Participated in a seminar on *Bacterial Toxins in Human Health: Discovery of Novel Toxins*, organized by Primeasia University, Bangladesh held on 4 April 2012.
17. **Poster presentation:** *Differentiation of B cells to plasma cells enhances by the extract of Capsicum annuum (L.) in vitro.* The 130th International scientific conference organized by Pharmaceutical Society of Japan, held at Okayama University, Japan on 28 March 2010.

RESEARCH COLLABORATIONS

1. Laboratory of Cancer Research and Molecular Biology, Institute of Biological Science, University of Malaya, Malaysia
2. Faculty of Medicine, Taibah University, Kingdom of Saudi Arabia
3. Department of Diabetes and Endocrinology, Dhaka Medical College, Bangladesh
4. BIRDEM (Bangladesh Institute of Research and Rehabilitation for Diabetes, Endocrine and Metabolic Disorders) hospital, Dhaka, Bangladesh
5. BCSIR (Bangladesh Council of Scientific and Industrial Research), Dhaka, Bangladesh
6. MD Anderson Cancer Center, The University of Texas, USA
7. Dept. of Pharmacol & Pharm. Sciences, College of Pharmacy, University of Houston, USA
8. Food Safety and Nutrition, Southern Univ. Agricultural Research & Extension Centre, USA
9. Nutrition/Metabolism Lab, Bath Israel Deacones Medical Center, Harvard Univ., USA
10. Quebec, BCRSP, Canada
11. Metabolomics Unit, Institute for Molecular Medicine Finland, Univ. of Helsinki, Finland.
12. Div. of Molecular Functions of Food, Faculty of Agriculture, Kagoshima University, Japan
13. Faculty of Pharmacy, University Technology Mara (UiTM), Malaysia.
14. Faculty of Pharmacy, International Islamic University Malaysia
15. Faculty of Medicine, University of Malaya, Malaysia
16. Nuclear Agency, Malaysia
17. Faculty of Pharmacy, University of Dhaka, Bangladesh
18. Department of Pharmacy, Primeasia University, Dhaka, Bangladesh
19. National Organization for Drug Control and Research, Egypt
20. Faculty of Medicine, Nanchang University, China
21. Dow University of Health Sciences, Karachi, Pakistan
22. Faculty of Pharmacy, University of Muslim, Indonesia

RESEARCH AND TECHNICAL SKILLS

- Expert to design, execute and conducting preclinical and clinical studies, cross-sectional study, case-control study, prospective and retrospective studies.
- Obtained GCP (Good Clinical Practice) certificate from the Ministry of Health, Malaysia to conduct clinical trials.
- Determination of bioavailability, bioequivalence and pharmacokinetics profile of drugs.
- Expert in the formulation of nutraceuticals, functional foods, and dietary supplements.
- Skilled in *in-vitro*, *in-vivo*, *ex-vivo* experimental techniques for antidiabetic, anticancer, immunomodulatory, lipid-lowering activities.
- Experienced with cell preparation from mice (spleen cells, purified B cells and NK cells, Macrophages) and cell culture techniques, flow cytometric analysis, ELISA, MTT, ELISPOT, ³[H] thymidine (radio isotope) incorporation proliferation assay.
- Skilled in extraction and separation techniques (maceration, freeze-drying, Soxhlet, decoction, liquid-liquid extraction, high speed centrifugation, sonication, distillation, TLC, and HPLC).

TRAINING RECEIVED AND PARTICIPATED IN THE WORKSHOPS

1. **Quality Assurance Project Completion Report:** Participated a workshop entitled “**Project Completion Report**” organized by Quality Assurance Unit, University Grants Commission of Bangladesh on 2nd July 2018.
2. **Faculty Development Program:** Participated a day-long Faculty Development Program held at State University of Bangladesh on 20 February 2017.
3. **Faculty Development Workshop:** Participated a day-long Faculty Development Workshop entitled “**Build Your Teacher Brand**” held at State University of Bangladesh on 02 May 2017.
4. **Faculty Development Workshop:** Participated two-days-long Faculty Development Workshop entitled “**Mentoring Students for Quality Standards**” held at State University of Bangladesh on 29-30 July 2017.
5. **Objective Based Education workshop:** participated two-days long workshop on Objective based education (OBE) held at Lincoln University College Malaysia organized by Ministry of Higher Education Malaysia on March 2016.
6. **EndNote X7** workshop: Julius Centre, University Malaya (31 May 2014).
7. Importance of Networking for Academia workshop: Academic Development Centre, University of Malaya (25 March 2014).
8. **Developing a Protocol for Cochrane Systematic Review** workshop: Julius Centre, University of Malaya (3-6 March 2014).
9. **Introduction to Systematic Review** workshop: Julius Centre, University of Malaya (3 March 2014).
10. **How to Write a Winning FRGS Grant Proposal**-a talk: Institute of Research Management and Monitoring (IPPP), University of Malaya (18 February 2014).
11. **Basic SPSS** workshop: Faculty of Medicine, University of Malaya (11 September 2013).
12. **Responsible Care and Use of Laboratory Animals training course:** Animal Experimental Unit, Faculty of Medicine, University of Malaya (21-22 January 2014).
13. **Good Clinical Practice (GCP)** workshop: Clinical Investigation Centre, University of Malaya, endorsed by Ministry of Health Malaysia (10-12 Dec 2013).
14. **Animal Experiment Unit Facility Induction Course:** Animal Experimental Unit, Faculty of Medicine, University of Malaya (16 January 2014).
15. **In-plant Training:** Essential Drugs Company Ltd., Dhaka, Bangladesh (4 weeks).
16. **Good Manufacturing Practice (GMP):** Quality Institute of America, Dhaka, Bangladesh.
17. **WTO-TRIPS and Bangladesh Pharmaceutical Sector-Prospects and Challenges** (National Training workshop): Bangladesh Foreign Trade Institute, Dhaka, Bangladesh.

INVOLVEMENT IN ACADEMIC CURRICULUM AND SYLLABUS PREPARATION

- [1] **Master of Pharmacy (M. Pharm.) Thesis and Non-Thesis Curriculum in the State University of Bangladesh:** I am working as the Head of curriculum and syllabus committee for the modification of curriculum and syllabus of Master of Pharmacy (Thesis) and Non-Thesis programs.
- [2] **Bachelor of Pharmacy Curriculum in Lincoln University college:** I worked as the executive committee member of the Faculty curriculum committee. I have designed and developed the curriculum of Prophetic medicine, Pharmacognosy & Phytochemistry, Traditional and Complementary Medicine, Immunology, Pharmacology, Research Methodology, Research Projects, Pharmacotherapy, and Drug Toxicology & Poisoning management in Pharmacy faculty, Lincoln University College Malaysia (2015-2016).
- [3] **Master degree curriculum in University of Malaya:** I worked as a Coordinator for the new curriculum committee and prepared the main draft of the academic syllabus for the proposed 2 years Master in Tissue Engineering and Regenerative Medicine (mixed mode) program in the Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, Malaysia (2014).
- [4] **Bachelor of Pharmacy Curriculum in Primeasia University:** I worked as a member of Curriculum Modification Committee for 4 years Bachelor of Pharmacy (Hons.) program in the department of Pharmacy, Primeasia University, Dhaka, Bangladesh (2012).
- [5] **Curriculum for Master of Pharmacy program in Daffodil International University:** As the Head of the department, I was the coordinator and Key person for the preparation of academic syllabus for 1-year Master of Pharmacy program in the department of Pharmacy, Faculty of Science & Technology, Daffodil International University, Bangladesh (2011).

MEMBERSHIP IN OR AFFILIATIONS WITH PROFESSIONAL SOCIETIES

- [1] Registered as A-Grade Pharmacist in the *Pharmacy Council of Bangladesh* (1998- till date)
- [2] Member, *Malaysian Pharmaceutical Society* (MPS) (August 2015 – till date)
- [3] Member, *Bangladesh Pharmaceutical Society* (BPS) (2001 - till date)
- [4] Member, *Bangladesh Pharmacy Graduates' Association* (BPGA) (1998 - till date)
- [5] Member, *Pharmaceutical Society of Japan* (2009 - 2010)
- [6] Member, *American Pharmacists Association, USA* (since 2015 – till date)
- [7] Member, *American Society of Microbiology* (ASM), USA (since 2012-till date)
- [8] Member, *Academic Society of Functional Foods and Bioactive Compounds (ASFFBC), USA* (2015 – till date)
- [9] Academic Member, *Athens Institute for Education and Research*, Greece (2015 - till date)
- [10] Member, *Asian Council for Scientific Editors*, Dubai (2015 – till date).
- [11] Member, *The Science Advisory Board*, United States of America (2017 – till date).
- [12] Representative Researcher, *MABLchair for Scientific Miracles of Prophetic Medicine*, Taibah University, KSA (February 2016- till date)

REVIEWER AND EDITORIAL BOARD MEMBER (28)

- [1] Editor-in-Chief, *International Journal of Pharm Tech Research* (India), since 2016 (SCOPUS cited).
- [2] Reviewer, *BMC Complementary and Alternative Medicine* (UK), since 2014 (ISI 2016 IF: 2.288; Publisher: Springer).
- [3] Reviewer, *Oncotarget* since 2017 (ISI IF: 5.168).
- [4] Reviewer, *Journal of Translational Medicine* since 2017 (ISI IF: 3.786).
- [5] Reviewer, *Frontiers in Pharmacology* (ISI IF: 4.4)
- [6] Reviewer, *Diabetes, Metabolic Syndrome and Obesity* since 2015 (indexed in PUBMED and MEDLINE; Dove Press, USA).
- [7] Reviewer, *Drug Design, Development and Therapy* since 2015 (IF 2.822; Dove Press).
- [8] Reviewer, *Onco Targets and Therapy* since January 2016 (ISI 2016 IF: 2.612; Dove Press).
- [9] Reviewer, *Cancer Management and Research* since 2015 (ISI 2016 IF: 3.851; Dove Press).
- [10] Reviewer, *Pakistan Journal of Pharmaceutical Sciences* since 2013 (ISI 2016 IF: 0.581).
- [11] Editorial Board Member and Reviewer, *Advanced Pharmaceutical Bulletin* since July 2015 (PUBMED and MEDLINE indexed).
- [12] Editorial Board Member, *The Journal of Functional Foods in Health and Disease* since June 2016 (IF:1.88; Publisher: Academic Soc. of Func. Foods and Bioactive Compounds, USA).
- [13] Editorial Board Member and Reviewer, *International Journal of Pharmacy and Pharmaceutical Sciences India*, since 2012 (SCOPUS cited journal).
- [14] Editorial Board Member and Reviewer, *Pharmaceutical Sciences*, Journal of Faculty of Pharmacy, Tabriz University of Medical Sciences, Iran since August 2014 (SCOPUS cited journal).
- [15] Reviewer, *Allergy, Asthma and Clinical Immunology* since 2015 (ISI 2016 IF: 2.869; Publisher: Springer).
- [16] Reviewer, *Medicinal Chemistry Research* since 2015 (ISI 2016 IF: 1.277; Publisher: Springer).
- [17] Reviewer, *International Journal of Occupational and Environmental Health* since 2015 (ISI 2016 IF: 2.068).
- [18] Reviewer, *Journal of Occupational Health* since 2015 (ISI 2016 IF: 1.848; Publisher: Society of Occupational Health, Japan).
- [19] Editorial Advisory Board Member, *Journal of Scientific Research* since 2014.
- [20] Editorial Board Member, *Journal of Biology and Medicine*, India since 2015.
- [21] Editorial Board Member and Reviewer, *Journal of Traditional Medicine & Clinical Naturopathy*, USA since April 2014.
- [22] Editor Board Member, *Diabetes and Clinical Endocrinology*, USA, since 2014.
- [23] Reviewer, *Athens Journal of Health*, Greece, since 2015.
- [24] Associate Editor, *Pharmacy and Pharmacology International Journal* since 2016(USA).
- [25] Editorial Board Member, *Diabetes and Endocrinology Journal*, USA since 2017.
- [26] Reviewer, *Indian Journal of Pharmacy Education and Research*, since 2018 (India).
- [27] Reviewer, *Journal of Dietary Supplements*, Taylor & Francis, since 2018 (UK).
- [28] Reviewer, *Pharmacognosy Research*, since 2018 (India).

SCHOLARSHIPS/AWARDS

- [1] Awarded as *the Best Speaker (Oral Presenter)* in ISE SFEC National Conference 2017 on Drug Discovery and Development from Natural Sources, held at University of Dhaka on 21 May 2017 organized by Department of Pharmacy, Faculty of Pharmacy, University of Dhaka, Bangladesh in association with University Grants Commission of Bangladesh's Higher Education Quality Enhancement Program (HEQEP) Sub-Project.
- [2] Awarded as *the Best Poster Presenter* in 1st International Conference on Industrial Pharmacy (ICIP) 2014, held at Kuantan, Pahang, Malaysia on 16-17 August 2014 organized by Faculty of Pharmacy, International Islamic University Malaysia.
- [3] Biography published in the *Marquis Who's Who in the World – 2016* (33rd Edition) (VIP Number: 37008993).
- [3] Awarded with *Japan Students Services Organization (JASSO) scholarship*: Ministry of Education, Japan for 01 year (April 2007- March 2008): 70,000 Japanese yen (JPY)/month.
- [4] *Scholarship and award from Otsuka Toshimi Scholarship Foundation*, Japan for 2 years (April 2008-March 2010): 1,500,000 JPY/year.
- [5] *Teaching Assistantship in Okayama University*: Department of Immunochemistry, Faculty of Pharmaceutical Sciences, Okayama University, Japan for total 01 year and 09 months (June - December 2007, June 2008-December 2008, June 2009-December 2009): Total 1,27,600 JPY.
- [5] *Research Assistantship in Okayama University*: Department of Immunochemistry, Faculty of Pharmaceutical Sciences, Okayama University, Japan for 01 year (September 2008-February 2009 and September 2009 - February 2010): 440,000 JPY/year.
- [6] *Post Graduate Research Scholarship*: Dept. of Molecular Biology, College of Natural Sciences, Cheju National University, South Korea (September 2003 – December 2003): US\$ 600/month.
- [7] *Jahangirnagar University Merit Scholarship* during undergraduate study for 2 years (November 1993-October 1994 and January 1995-December 1995), Bangladesh.
- [8] *Excellence Award* from Okayama Muslim Students Association (OMSA), Okayama University, Japan (2010).

COMPUTER SKILL

Professional operating skills of Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Internet browsing, Multimedia operation, etc. required for teaching, research, drawing, presentations, and publications.

LANGUAGE PROFICIENCY

- **Bengali**: Native Language.
- **English**: Full professional efficiency in reading, writing, speaking and listening.
- **Japanese**: Excellent in speaking and listening, poor in reading and writing.

MAILING ADDRESS

PROTTASHA (Government Officer's Apartment), NHB 2, New Colony, Lalmatia, Dhaka 1207, Bangladesh

PROF. MD. MOKLESUR RAHMAN SARKER, PhD

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PROFESSIONAL AND RESEARCH PROFILE LINKS

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Google Scholar Profile: <http://scholar.google.com.my/citations?user=QVioU58AAAAJ&hl=en>

Research Gate profile: http://www.researchgate.net/profile/Dr_Md_Moklesur_Rahman_Sarker

LinkedIn profile: <https://www.linkedin.com/pub/dr-md-moklesur-rahman-sarker/57/5a3/566>

Scopus Author ID: 36105338100

Researcher ID: G-2396-2014

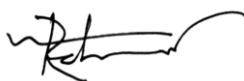
Mendeley profile: <https://www.mendeley.com/profiles/md-moklesur-rahman-sarker/>

Academia Profile: <https://lincoln.academia.edu/DrMdMoklesurRahmanSarker>

REFERENCES

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- 4. Prof. Satya Sarker, PhD**
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