

Resume of Md. Atiar Rahman PhD, FNYAB

atiar@cu.ac.bd or atiarh@yahoo.com

ORCID orcid.org/0000-0002-4902-8923

ResearcherID: Q-1176-2015 (Thomson Reuters)

RG score: 27.69 on 14 November 2019

Contact Information

Department of Biochemistry & Molecular Biology,
University of Chittagong, Chittagong-4331, Bangladesh.

Office phone: 88-031-726311 (11-14) ext 4334

Fax: 88-031-2606014

Cell Phone: 88-01711709084

LinkedIn: <https://www.linkedin.com/in/atiar-rahman-324b4524?trk=hp-identity-name>

Facebook: <https://www.facebook.com/atiar.atique.9>

Twitter: <https://twitter.com/atique06>

Academic Affiliation

Professor, Department of Biochemistry and Molecular Biology
University of Chittagong, Chittagong-4331, Bangladesh

Key responsibilities

Teaching and research

Education

Postdoctoral fellowship from the Department of Biochemistry, School of Biochemistry, Genetics and Microbiology, University of KwaZulu Natal (July 2011-June 2012), **Durban, South Africa.**

PhD in Applied Bioresource Science (2003-2006) from the United Graduate School of Agricultural Science, Ehime University, Japan. Worked on "Stereochemistry and biosynthesis of (+)-lyoniresinol and related syringyl lignans in *Lyonia ovalifolia* var. *elliptica*" under the supervision of Prof. Dr. Takeshi Katayama at **Kagawa University, Japan.**

Master of Science in Biochemistry (1997-1998) from the Department of Biochemistry, **University of Dhaka**, Bangladesh. Secured first class.

Worked on "phytochemical and biological studies on *Litsea glutinosa*" as an indispensable part of MSc degree under the supervision of Prof. Dr Enamul Haque.

Bachelor of Science in Biochemistry (1993-1996) from the Department of Biochemistry, **University of Dhaka**, Bangladesh. Secured first class.

Professional appointments

1. Worked as a research associate in the Centre for Biomedical research (Jan-Jul 2000)
2. Worked as a product executive in the IBN SINA pharmaceutical industries Ltd (5 Aug 2000-18 Aug 2001)
3. Worked as a product officer in the ACME Laboratories Ltd (19 Aug 2001-30 Sep 2003)
4. Worked as a research assistant in the Faculty of Agriculture, University of Kagawa, Japan (2003-2005)
5. Worked as a research associate in the Faculty of Agriculture, University of Kagawa, Japan (2003-2004, 2005-2006)
6. Worked as a lecturer in the Dept of Biochemistry and Molecular Biology, University of Chittagong, Bangladesh (Nov 2004 to August 2008)
7. Worked as an Assistant Professor in the Dept of Biochemistry and Molecular Biology, University of Chittagong Bangladesh (From September 2008 to till date)
8. Worked as an associate professor in the Department of Biochemistry and Molecular Biology, University of

Chittagong till 27 Sep 2019.

9. Working as Professor since 30 September, 2019.

Fellowships/Awards

Postdoctoral Fellowship of South African Government (August 2011-July 2012)

Japanese Government (Monbukagakusho) Scholarship as a Ph. D scholar for 2003-2006

Other Awards

Debate Championship awards in inter-hall debate competition at the University of Dhaka (1998)

Awarded in other events (speech competition) at University level.

Best presenter award (1st runner up) in 4th National conference of Natural Science and Technology held in Asian University of Women on 24-25 March 2017.

Best invited speaker award in International Conference on Intedisciplinary interaction on Non-communicable disease (NCD-2017), Annamali University, Tamil Nadu, India, 22-24 Sep, 2017.

Biosafety Awards 2017. Achieved Best Biosafety officer award by Bangladesh Biosafety and Biosecurity Association and Biosafety Office, ICDDR,B.

Travel Award US Academy of Science, Engineering and Medicine and Academy of Science Malaysia jointly offered a Travel award to join Regional Conference to promote Safe and Secure Science in the Middle East, South and South Asia, 5-9 February, 2018, in Sunway University, Malaysia.

AASSA President's Young scientist Award 2018, issued by Bangladesh Academy of Science, on 14-15 September 2018.

Biographical Information

Date of birth: 26 June 1975, Nationality: Bangladeshi by birth

Sex: Male, Age: 42 years 3 month (at 02 October, 2017)

Society Membership

1. Graduate Biochemist and Molecular Biologist Association
2. Life member, Bangladesh society for Biochemistry and Molecular Biology
3. Graduate Microbiologist Association
4. American Microbiology Association
5. Life member of Bangladesh Biosafety and Biosecurity Association (BBBA)
6. Life member, Global Network of Bangladeshi Biotechnologists.
7. Member, Asian Food Safety and Security Association

Social Responsibilities

Divisional Coordinator and Executive member, Bangladesh Biosafety and Biosecurity Association

Member, National Young Academy Bangladesh

Research Interest

Complementary and Alternative Medicine, Chemistry of Natural Medicine, Biochemistry and Functional Food, Clinical Biochemistry

Presentations in International and National Meetings and Seminars

International

1. The 55th Annual Meeting of the JWRS (The 50th Anniversary Conference of the Japan Wood Research

- Society), March 16-18, 2005, Kyoto University, **Kyoto**, Japan.
2. IAWPS 2005 International symposium on wood science and technology, November 27-30, 2005, Pacifico **Yokohama**, Japan.
 3. 30th National conference of Bangladesh Chemical Society, 15 March 2008, University of Chittagong, Chittagong-4331, Bangladesh.
 4. International Teaching and Learning conference, held in UKZN, Durban, **South Africa**, from October 26-28, 2011.
 5. International conference, COP17, Climate Change and health co-benefits, **Durban**, on Dec 4, 2011.
 6. 1st international conference and Exhibition on Total Quality Management of Medicinal and Aromatic Plants and their products”, in Giza, Cairo, **Egypt**, from 6-8 December, 2011.
 7. Presented as Keynote speaker in the 2nd International Conference on Diabetes Mellitus in Sanya, **China**, 1-3 December 2016.
 8. Presented as a keynote speaker in International Conference on Nanotechnology and Nanomedicine (NTNM 2017) in Material Energy Research centre, Karaj, Alborz, **Iran** held in 2-3 May 2017.
 9. Presented as keynote speaker in the 2nd International Conference of Bangladesh Biosafety and Biosecurity Association held on 7-8 December, 2016 in Nawab Ali Senate Bhaban, University of Dhaka.
 10. Presented as keynote speaker in an International Conference on Interdisciplinary interaction on Non-communicable disease (NCD-2017), Annamali University, **Tamil Nadu, India**, 22-24 Sep, 2017. Honoured by the Best speaker award.
 11. 3rd International Conference on Agriculture and Health, organized by Global Network of Bangladeshi Biotechnologists, held in Senate Bhaban, University of Dhaka, on 29-30 December, 2017.
 12. Presented in Regional Conference to promote Safe and Secure Science in the Middle East, South and South Asia, Malaysia, 5-9 Feb 2018, Sunway University, **Malaysia**.
 13. Joined as invited speaker in the Biomedical Conference in The Walailak University, **Thailand** (March 20-23, 2018).
 14. Participated and Presented in the 4th AFSA (Asian Food Safety Association, AFSA) conference in Angkor Paradise hotel, Siem Reap, on 10-12 August, 2018 in **Cambodia**.
 15. Presented as oral speaker in the International Congress on Complementary Medicine Research (ICCMR)2019 on 7-10 May 2019, in the International Convention Centre in Brisbane, Queensland, Australia.
 16. Presented as invited guest speaker in the national and International conference on Biomedical Health Sciences and Medical Technology, in the Walailak University, Nakhon Shi Thammarat, Thailand on 20-21 June 2021.

National

1. National symposium on Role of Biochemists in Health and Environment, 21 May, 2010.
2. Presented on Antioxidative actions of *Leea macrophylla* partially repairs the thrombotic effect through glycosidic domain in an in silico model of combined diabetic and hepatic model as an invited speaker in the BSBMB Conference 2015 on “Biochemistry, Industry and Sustainable Economy” held on 21 March 2015 in Nawab Ali Senate Bhaban, Dhaka University.
3. Presented as keynote speaker in 1st international conference on Drug Discovery & Development Research in Developing Countries (DRDC) Conference held in 3-6 October in Bangladesh University of Health Science.
4. Presented on “*Leea macrophylla* roots restore the pancreatic β -cells dysfunction caused by fructose-fed streptozotocin induction in albino rats” in SABC (South Asian Biotechnology Conference-2016) conference held on 5-6 February, 2016 in Nawab Ali Senate Bhaban, University of Dhaka.
5. National Conference on Biochemistry and Molecular Biology for life sciences, held on 10 December, 2016 in Nawab Ali Senate Bhaban, University of Dhaka.
6. 4th National conference of Natural Science and Technology held in Asian University of Women on 24-25 March 2017.

7. Joined as invited speaker in the ISE-SFE Congress 2018 during January 13-15, 2018 at Dhaka, Bangladesh on “Ethnopharmacology & Drug Development: Innovation meets Tradition
8. Presented as invited speaker in 10th Asian Federation of Biotechnology (AFOB) Regional Symposium (ARS)-2018 on 28-29 January 2018, Nawab Ali Senate bhaban, University of Dhaka.
9. Presented as a nominated member of the Department of Biochemistry and Molecular Biology, CU in the 3rd young scientist congress organized by Bangladesh Academy of Science (BAS) held on 14-15 September 2018 in the National Science Museum Auditorium.
10. Presented as key note speaker in the BSBMB conference 2019 organized by Bangladesh Society for Biochemistry and Molecular Biology and Department of Biochemistry and Molecular Biology, University of Chittagong held on 27-28 April 2019.
11. Presented as invited core committee member in the workshop on strengthening collaboration for effective research arranged by BCSIR, Chittagong on 10 July 2019.
12. Presented as divisional coordinator in the 14th Asia-Pacific Biorisk Conference Biosafety & Biosecurity – For Sustainable Development In Health & Agriculture 17 – 20 September 2019; Hotel Intercontinental, Dhaka.
13. Presented as an invited speaker in the 4th IPFS-ICBHA2019 conference hosted by GNOBB at the Sir Nawab Ali Senate Hall, University of Dhaka, on 11-13 November 2019.
14. Delivered a talk on “Scientific Writing” as an invited expert in the Workshop organized by Zamal Nazrul Research Centre for Mathematics and Physical Sciences on 22 November 2019 in the University of Chittagong, sponsored by Ministry of Planning.

International Examiner

1. MS External Committee Chairman of the Faculty of Allied Health Sciences, Walailak University, Thailand and joined to the MS defense examination held on 19 June 2019.
2. PhD thesis reviewer of the School of Life Sciences, Westville Campus, KwaZulu Natal University, Durban, South Africa.
3. PhD Thesis evaluator of the university of Chennai.

Workshops attended

1. Workshop on Chemical Hazards, Safety and Environment. Organized by Institute of Chemists and Chemical Technologists, Bangladesh (ICCTB). January 16-17, 2010.
2. Workshop on “Scientific Writing” held in hotel Asagay, Durban, organized by the Department of Microbiology, UKZN, Durban, SA on October 4, 2011.
3. Workshop on “Scientific Writing and Manuscript Reviewing” in the University of KwaZulu Natal held on May 19, 2012.
4. Workshop on higher education enhancement project (HEQEP), on 2012 in the faculty of Biological Sciences, University of Chittagong.
5. Workshop of Biosafety and Biosecurity organized by icddr,b and CDC Atlanta, May 11-20, 2015 in Sasakawa Auditorium, icddr,b.
6. Workshop on promoting Biosafety and Biosecurity in Bangladesh, 30 May 2015, 1-2 June, 2015, icddr,b.
7. Workshop on promoting Biosafety & Biosecurity in Bangladesh in association with CDC, Atlanta, CDC of Directorate General of Health Services (DGHS), and BBBA at BITID (Bangladesh Institute of Tropical and Infectious Disease) on 07-09 June 2015.
8. Two days Workshop on Research data analysis by using SPSS and R held on 5-10 September 2015 at the Institute of Forestry and Environmental Sciences, University of Chittagong, organized by Higher Education Quality Enhancement Project (HEQEP), CP-2413.
9. One day workshop on “Strengthening Biosafety and Biosecurity movement in Bangladesh” in icddr,b on Sep 19, 2015.
10. One day Workshop on Integrated Modern Techniques in Online Teaching of Biochemistry and Molecular Biology, held on 7 February, 2016 in Centre for Advanced Research in Sciences (CARS) of Dhaka

University.

11. Attended a two days workshop on Intellectual Property (IP) right in the University Grants Commission, Bangladesh on 29-30 March 2016.
12. Attended a preconference workshop in International Convention Hall, Brisbane on Converting clinical insights and experiences into valid and rigorous research: a clinician's guide on 7 May 2019.

Research Projects under the Grants

1. Research Grant from University Research Cell (2007-2008).
2. Special Research Allocation from the Ministry of Science, Information and Technology, Bangladesh (2007-2008).
3. Research Grant from University Grant Commission, Bangladesh (2008-2009).
4. Special Research Allocation from University Grant Commission, Bangladesh, 2009.
5. National Agricultural Technology Project Phase-I (NATP-I/PIU- BARC-56/SPGR-P/2008 (Vol II)/3291.
6. Special Research Allocation from the Ministry of Science and Technology, Bangladesh, 2013.
7. Research Grant from University Research Cell, University of Chittagong, 2013.
8. Special Research Allocation from the University Grant Commission, Bangladesh, 2013.
9. Special Allocation from the Ministry of Science and Technology in 2015-16.
10. UGC-Dean Research Grant 2015-16.
11. Special Research Allocation from the University Grant Commission, Bangladesh, 2016.
12. Special Research Allocation from the University Grant Commission, Bangladesh, 2018.
13. Research Grant from University Grant Commission, Bangladesh 2018.
14. Research grant from the research and publication Cell, University of Chittagong 2018.
15. Research Grant from Ministry of Science and Technology for the year 2017-18
16. Research Grant from the research and publication cell of the University of Chittagong for the session of 2018-19.
17. Research grant from BANBEIS (Ministry of Education) for three years.

Supervision of Research Students

Currently supervising one PhD, six M.Phil and seven MS students. However, I have so far supervised more than forty MS students in the Department of Biochemistry and Molecular Biology, University of Chittagong.

Editorial Board Member and Reviewer

Managing Editor, Chittagong University Journal of Biological Sciences

Associate Editor, BMC Complementary and Alternative Medicine

Editor, Indian Journal of Nutrition

Editor, MedOne

Editor, Asian Journal of Pharmacognosy

Guest Editor: Biomed Research International

Reviewer of J of Ethnopharmacology, Pharmaceutical Biology, Medicinal Chemistry, Planta Medica,

Fitoterapia, Medicinal Plants Research, Biomedicine and Pharmacotherapy and some others.

List of publications

Book Chapters

Year 2019

1. Md. Atiar Rahman and Md. Rakibul Hassan Bulbul. Plant-derived drugs: A new Paradigm of Biochemistry. ed. Hossain U Shekahr and MM Towhidul Islam. Trends in Biochemistry and Molecular Biology, Nova Publishing House, USA. Chapter 6: 127- 172. 2019.

- Md. Atiar Rahman*, Md. Rakibul Hassan Bulbul, Yearul Kabir. Book Chapter 22. Plant-based products in cancer prevention and treatment, In: Functional Foods in Cancer Prevention and Therapy. Editor Yearl Kabir. Elsevier, In press;

Year 2014

- Md. Atiar Rahman and Md. Shahidul Islam. Ed. V. K. Gupta. Prospects, paradigm and drawbacks of Current Researches on Herbal Medicine. In: Traditional and Folk Herbal Medicine Recent Researches; Volume 2. Daya Publishing House, New Delhi. 2014; Page 1-44.

Year 2019

- Naymul Karim, Md. Atiar Rahman, Suksan Changlek & Jitbanjong Tangpong. Short-Time Administration of Xanthone From *Garcinia mangostana* Fruit Pericarp Attenuates the Hepatotoxicity and Renotoxicity of Type II Diabetes Mice. *Journal of the American College of Nutrition*. <https://doi.org/10.1080/07315724.2019.1696251>. Taylor and Francis.
- Mohammad Nasiruddin Rana^{a,b}, Jitbanjong Tangpong^{a,*}, Md Atiar Rahman^c. Xanthenes protects lead-induced chronic kidney disease (CKD) via activating Nrf-2 and modulating NF-kB, MAPK pathway. *Biochemistry and Biophysics Report*. 21 (2020) 100718. **Elsevier**.
- Salahuddin Qader Al-Araby, Md. Atiar Rahman*, Muhammad Abid Hasan Chowdhury, Rickta Rani Das, Tanvir Ahsan Chowdhury, Chowdhury Mohammad Monirul Hasan, Mirola Afroze, MA Hashem, Dina Hajjar, Walla A. Elwani, Arwa A. Makki, Md. Areeful Haque. *Padina tenuis* (marine alga) attenuates oxidative stress and streptozotocin-induced type 2 diabetic indices in Wistar albino rats. *South African Journal of Botany*. In press. **Elsevier**
- Rakibul Hassan Bulbul, aMd. Atiar Rahman*, bMd. Zillur Rahman, cMirola Afroze, cMala Khan, Muhammad Abid Hasan Chowdhurya, Mohammed Auwal Ibrahimd, Mohammed Sohel Chowdhurye. *Leea macrophylla* (Roxb.) root extract reverses CCl₄ induced liver injury through upregulation of antioxidative gene expression: a molecular interaction for therapeutic inception. *Oriental pharmacy and experimental Medicine*. 2019. Article In press. Article DOI: 10.1007/s13596-019-00380-2. **Springer**
- Mohammed M. Matin, Md. M. H. Bhuiyan, Emranul Kabir, Abul F.M. Sanaullah, Md. A. Atiar, Md. E. Hossain, Monir Uzzaman, Synthesis, characterization, ADMET, PASS prediction, and antimicrobial study of 6-O-lauroyl mannopyranosides. *Journal of Molecular Structure*, 2019, vol 1196:189-197. **Elsevier**
- [Nazim Uddin](#), [Md. Atiar Rahman](#), [Hemayet Hossain](#), [Tanzir Ahmed Khan](#), [Rehana Akter](#). High-performance liquid chromatographic analysis explores the potential antioxidative agents of *Argyrea argentea* ARN. EX CHOISY extract. *Journal of Pharmacy and Bioallied sciences*. 2019. 11:16-22. **Wolter Kluwer**
- Naymul karim, Md. Atiar Rahman, Lanchakon Chanudom, Montakarn Thongsom, and Jitbanjong Tangpong. Mangosteen vinegar rind (MVR) from *Garcinia mangostana* prevents high fat diet and streptozotocin induced type II diabetes nephropathy and apoptosis. 2019. 84(5): 1208-1215. **Wiley**

Year 2018

- Jannatul Mawa, Md. Atiar Rahman, M.A. Hashem, Md. Juwel Hosen. *Leea macrophylla* root extract upregulates the mRNA expression for antioxidative enzymes and repairs the necrosis of pancreatic β -cell and kidney tissues in fructose-fed Type 2 diabetic rats. *Biomedicine & Pharmacotherapy* 110 (2019) 74-84. Elsevier
- Mohammad Nasir Uddin, Sonia Khandaker, Moniruzman, Shaharier Amin, Wahida Sumi, Md. Atiar Rahman, Sheikh Mahbubur Rahman. Synthesis, Characterization, Molecular Modeling, Antioxidant and

Year 2017

13. Atiar Rahman, J.M. Kamirul Hasan Chowdhury, Jannatul Aklima, Mohammad Ali Azadi. *Leea macrophylla* Roxb. Leaf extract potentially helps normalize islet of b-cells damaged in STZ-induced albino rats. Food Science and Nutrition. 2018, 1-10. DOI: 10.1002/fsn3.625. Wiley
14. Josim Uddin,¹ A. S. M. Ali Reza,¹ Md. Abdullah-Al-Mamun,¹ Mohammad Shah Hafez Kabir,¹ Mst. Samima Nasrin, Sharmin Akhter, Md. Saiful Islam Arman and Md Atiar Rahman*. Antinociceptive and anxiolytic and sedative effects of methanol extract of *Anisomeles indica*: An experimental assessment in mice and computer aided models. Frontiers in Pharmacology. 2018, vol 9:246. doi: 10.3389/fphar.2018.00246. Frontiers
15. Raphael Aminua, Mohammed Auwal Ibrahim, Md. Atiar Rahmanb, Raju Dash, Ismaila Alhaji Umar. Trypanosuppressive effects of ellagic acid and amelioration of the trypanosome-associated pathological features coupled with inhibitory effects on trypanosomal sialidase in vitro and in silico. Phytomedicine 30 (2017) 67–73. Elsevier
16. Raphael Aminu, Ismaila Alhaji Umar, Md. Atiar Rahman, Mohammed Auwal Ibrahim. Stigmasterol retards the proliferation and pathological features of *Trypanosoma congolense* infection in rats and inhibits trypanosomal sialidase in vitro and in silico. Biomedicine & Pharmacotherapy 89 (2017) 482–489. Elsevier
17. Razibul Habib¹, Mohammad Shah Hafez Kabir², Md. Mominur, Rahman², Mohammed Munawar Hossain², Hazrat Ali², Jakir Ahmed Chowdhury³, Md. Atiar Rahman. In Vitro α -amylase Inhibitory Potential and in Vivo Hypoglycemic Effect of Organic Extracts of *Phrynium Imbricatum* Roxb. Leaves. MED ONE. 2017, 2:e170026. Hapres
18. Mohammad Shahadat Hossain, A.S.M. Ali Reza,* , Md. Masudur Rahaman, Mst. Samima Nasrin, Mohammed Rasib Uddin Rahat, Md. Rabiul Islam, Md. Josim Uddin and Md. Atiar Rahman. Evaluation of morning glory (*Jacquemontia tamnifolia* (L.) Griseb) leaves for antioxidant, antinociceptive, anticoagulant and cytotoxic activities. J Basic Clin Physiol Pharmacol 2018; aop. DOI: <https://doi.org/10.1515/jbcpp-2017-0042>. De Gruyter

Year 2016

19. Josim Uddin, Mohammad Nazmul Alam, Kushal Biswas & Md. Atiar Rahman. In vitro antioxidative and cholinesterase inhibitory properties of *Thunbergia grandiflora* leaf extract. Cogent Food & Agriculture (2016), 2: 1256929. <http://dx.doi.org/10.1080/23311932.2016.1256929>. Taylor and Francis
20. Mohammad Shah Hafez Kabir, Mohammed Munawar Hossain, Md. Imtiazul Kabir, Shabbir Ahmad, Nishan Chakrabarty, Md. Atiar Rahman* and Md. Mominur Rahman. Antioxidant, antidiarrheal, hypoglycemic and thrombolytic activities of organic and aqueous extracts of *Hopea odorata* leaves and in silico PASS prediction of its isolated compounds. BMC Complementary and Alternative Medicine (2016) 16:474. DOI 10.1186/s12906-016-1461-x. Biomed Central
21. M. Faysal Bellah, Md. Nur Islam, Md. Rezaul Karim, Md. Masudur Rahaman, Mst. Samima Nasrin, Md. Atiar Rahman and A.S.M. Ali Reza. Evaluation of cytotoxic, analgesic, antidiarrheal, and phytochemical properties of *Hygrophila spinosa* (T. Anders) whole plant. J Basic Clin Physiol Pharmacol 2016; DOI 10.1515/jbcpp-2016-0103. De Gruyter
22. M. Abu Ahmed & Sarowar Jahan Khan & Nipun Mojumder & Farjana Sharmin & Atiar Rahman & Muhammad Abu Bakar & J.M. Kamirul Hasan Chowdhury & Mohammad Ali Azadi. Water hyacinth

(*Eichhornia crassipes*) fractions potentially normalize the lead (Pb) poisoning and enhance in vitro thrombolysis. *Orient Pharm Exp Med.* 2016; DOI 10.1007/s13596-016-0243-9. Springer

23. Rawshan Zannat, Mir Muhammad Nasir Uddin, Md. Atiar Rahman, Jannatul Aklima and Md. Mamun Al Amin. Antihistamines considerably modulate the cognitive and psychomotor performance of human volunteers. *Cogent Psychology* (2016), 3: 1216242. <http://dx.doi.org/10.1080/23311908.2016.1216242>. Taylor and Francis
24. Mohammad Nazim Uddin, Mohammad Atiar Rahman, Hemayet Hossain, Tanzir Ahmed Khan, Rehana Akter. Hig-performance Liquid Chromatographic (HPLC) analysis explores the potential antioxidative agents of *Argyrea argentea* var. *discolor* (Blume) Forman extract. *Journal of Pharmacy and Bioallied Science*, In press. Wolter Kluwer
25. Tania Sharmin, Chowdhury Md. Monirul Hasan, Sheikh Aftabuddin, Md. Atiar Rahman, and Mala Khan. Growth, Fatty acid and Lipid composition of marine microalgae *Skeletonema costatum* available in Bangladesh coast: consideration as biodiesel feedstock. *Journal of Marine Biology*. Volume 2016, Article ID 6832847, 8 pages. Hindawi
26. Sakia Ferdous, Md. Atiar Rahman*, Md. Mamun Al-Amin, Jannatul Aklima, J.M. Kamirul Hasan Chowdhury. Antioxidative and neuroprotective effects of *Leea macrophylla* root extracts on diazepam-induced memory impairment in amnesic Wistar albino rat. *Clinical Phytoscience*; 2016 2:17. Springer

Year 2015

27. Nazim Uddin, Nazim Uddin Ahmed, Md. Atiar Rahman, Rasheda Akter & Rehana Akter. Antioxidative Potential of the Polyphenolics of *Stephania japonica* var. *Discolor* (Blume) Forman: A Chromatographic (HPLC) and Spectrophotometric Measure. *Int J of Food Properties*. Vol. 16:13. DOI: 10.1080/10942912.2015.1048355. Taylor and Francis
28. Samina Akhter, Md. Atiar Rahman, Jannatul Aklima, Md. Rakibul Hasan, J.M.Kamirul Hasan Chowdhury, Antioxidative role of *Hatikana* (*Leea macrophylla* Roxb.) partially improves the hepatic damage induced by CCl₄ in Wistar Albino Rats. *Biomed Research International*, Volume 2015 (2015), Article ID 356729, 12 pages. <http://dx.doi.org/10.1155/2015/356729>. Hindawi
29. Talha Bin Emran, Md Atiar Rahman, Mir Muhammad Nasir Uddin, Md Mominur Rahman, Md Zia Uddin , Raju Dash and Chadny Layzu. Effects of organic extracts and their different fractions of five Bangladeshi plants on in vitro thrombolysis. *BMC Complementary and Alternative Medicine* (2015) 15:128 DOI 10.1186/s12906-015-0643-2. Biomed Central
30. Md Mominur Rahman, Muhammad Erfan Uddin, Abu Mohammed Taufiqul Islam, Md Ashraf Uddin Chowdhury. CNS Depressant and Antinociceptive Effects of Different Fractions of *Pandanus Foetidus* Roxb. Leaf Extract in Mice. *Malays J Med Sci.* May-Jun 2015; 22(3): 33-40. Institutional Journal
31. Sakib Mahmud, Samina Akhter, Md. Atiar Rahman*, Jannatul Aklima, Shaheen Akhter, Syeeda Rayhana Merry, S. M. Rakibul Jubair, Raju Dash, and Talha Bin Emran. Antithrombotic Effects of Five Organic Extracts of Bangladeshi Plants In Vitro and Mechanisms in In Silico Models. *Evidence-Based Complementary and Alternative Medicine*. 2015:782742. doi: 10.1155/2015/782742. Hindawi
32. Talha Bin Emran, Md. Atiar Rahman, Mir Muhammad Nasir Uddin, Raju Dash, Md. Firoz Hossen, Mohammad Mohiuddin and Md. Rashadul Alam. Molecular docking and inhibition studies on the interactions of *Bacopa monnieri*'s potent phytochemicals against pathogenic *Staphylococcus aureus*. *DARU Journal of Pharmaceutical Sciences*. 23:26. doi: 10.1186/s40199-015-0106-9. Springer

33. Md Atiar Rahman*, Md Shahidul Islam. *Alpinia calcarata* Roscoe: A potential phytopharmacological source of natural medicine. *Pharmacognosy Review*, 9 (17):55-62. DOI:10.4103/0973-7847.156350. Wolter Kluwer
34. Muhammad Erfan Uddin, Md. Ashraf Uddin Chowdhury, Md. Atiar Rahman, Abu Mohammed Taufiqul Islam and Md. Rafikul Islam. Antioxidants and Total Phenolics of *Ludwigia repens* rubin Partially Improve the Hepatic Damage Induced by Carbon Tetra Chloride in Animal Model. *Bioresearch Communications*, Vol 1. No 2. 2015: Page: 76-81. Society Journal
35. Talha Bin Emran, Mir Muhammad Nasir Uddin, Md. Atiar Rahman, Md. Ismail Hossain, Md. Mohaiminul Islam and Md. Imtiazul Kabir. In vitro Erythrocyte Membrane Stabilization Properties of *Solanum aethiopicum* L. Fruit Extracts. *Bioresearch Communications*, Vol1. No.2, 2015: Page: 111-115. Society Journal

Year 2014

36. Atiar Rahman* and Md. Shahidul Islam. A dose response relationship of Xylitol on type 2 diabetes in STZ-induced animal model. *Journal of Food Science*. Vol 79 (7): 1436-1442. Wiley
37. Khalilur Rahman, Md. Anisuzzaman Chowdhury, Md. Fokhrul Islam, Soumitra Barua, Md. Atiar Rahman*. 2014. Antidiarrheal and thrombolytic effects of methanol extract of *Wikstroemia indica* (L.) C. A. Mey leaves. *International Journal of Green Pharmacy*. 9(1):8-13. DOI: 10.4103/0973-8258.150914.
38. Foni Bushon Biswas, Tapashi Ghosh Roy, Md. Atiar Rahman* and Talha Bin Emran. An in vitro antibacterial and antifungal effects of Cadmium (II) complexes of hexamethyltetraazacyclotetradecadiene and isomers of its saturated analogue. *Asian Pacific Journal of Tropical Biomedicine*. 2014; 4 (Suppl 2): S618-S623. doi: 10.12980/APJTB.4.2014APJTB-2014-0193. Elsevier
39. Atiar Rahman* and Md. Shahidul Islam. *Alpinia calcarata* Roscoe: a potential phytopharmacological source of natural medicine. *Pharmacognosy Reviews*. Accepted in 2014. In press.
40. M. Abu Ahmed, Farjana Sharmen, Adnan Mannan, Md Atiar Rahman. 2014. Phytochemical, analgesic, antibacterial, and cytotoxic effects of *Alpinia nigra* (Gaertn.) Burt leaf extract. *Journal of Traditional and Complementary Medicine*. In press, issue doi: 10.1016/j.jtcme.2014.11.012. Elsevier
41. Uddin MN; Rahman MA*; Mitra K; Akter R. Preliminary phytochemical analysis and in vitro antioxidant activities of methanol extract of *Argyrea argentea* (Roxb). *International Journal of Applied Research in Natural Products* Vol. 7 (1), pp. 1-7. 2014.
42. Talha Bin Emran and Md. Atiar Rahman*. Sedative, anxiolytic and analgesic effects of *Urena sinuata* L. leaf extract in animal models. *International Food Research Journal*. 21(5): 2069-2075 (2014)
43. M. Abu Ahmed, Md. Monirul Islam, Md. Atiar Rahman*, and Md. Anwar Hossain. Thrombolytic, Cytotoxic and Antidiabetic Effects of *Paederia foetida* L. Leaf Extract. *British Journal of Medicine & Medical Research* 4(5): 1244-1256, 2014.
44. Shirin Akhter, Md. Alauddin, Md. Atiar Rahman* and Mahmood A Chowdhury. Effect of Protein Energy Malnutrition on the Diarrheal Electrolyte Imbalance in Children of Chittagong Region, Bangladesh. *Indian Journal Nutrition*, 1 (1): 1-

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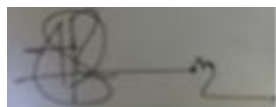
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Md. Atiar Rahman PhD
Professor
Department of Biochemistry and Molecular Biology
University of Chittagong
Chittagong-4331
Bangladesh