

BIO-DATA

OF MD ABDUS SATTER MIAH



PERSONAL INFORMATION

Name: DR. MD. ABDUS SATTER MIAH

Father's Name: Md. Golam Mortuza Miah

Present Status: Chief Scientific Officer,
Institute of Food Science and Technology (IFST),
BCSIR, Dhaka-1205, Bangladesh.

Mailing Address: B # 02, BCSIR Office's Quarter, Newmarket,
Dhaka-1205, Bangladesh.

Permanent Address: Vill. & Post. Balarampur, Thana - Bhuiyapur,
District -Tangail, Bangladesh.

E-mail: abdussatter@bcsir.gov.bd,
mabdussatter@yahoo.com

Date of Birth: 1st December 1967

Sex and Marital Status: Male and Married

Nationality: Bangladeshi

ACADEMIC CARRER

Post Doctoral Research

Name of University University of Tokushima, Japan

Year 2002-2003

Doctoral Study

Name of University University of Tokushima, Japan

Degree Obtained: Doctor of Philosophy (Ph.D.)

Year of Passing: 2002
Subject: Nutritional Science

Post Graduate Study

Name of University: University of Tokushima, Japan
Degree Obtained: Research Fellow
Year of Passing: 1997-1999

Post Graduate Study

Name of University: University of Rajshahi, Bangladesh
Degree Obtained: Masters in Biochemistry
Year of Passing: 1993
Result: 1st Class

Graduation Study

Name of University: University of Rajshahi, Bangladesh
Degree Obtained: BSc (HonS.) in Biochemistry
Year of Passing: 1991
Result: 1st Class

Academic Awards

1. Awarded University Grand Commission Scholarship on the basis of B.Sc. (Hons.) result.
2. The Kourakukai Award on the basis of PhD research in The University of Tokushima, Japan.

RESEARCH INTEREST: Highly interested in Food Safety, Food Technology, Food Product Development and Quality Management and Analytical Process Technology.

EXPERIENCE/SUMMERY

Twenty eight years of research experienced in food product development and quality control emphasis on cereal based food and feed. Seventeen years of experience on the HPLC systems for the analysis of vitamins from high energy fortified cereal and cereal food products like Cerelac, Horlics, Biomeal, biscuits, rice, milk etc. Eighty seven (87) research articles have been published in the prestigious publisher/ SCI journals; eg Springer, Elsevier, MDPI, Heliyon, Hundai, Toxicology Reports, Biomedicine and Pharmacotherapy, J Industrial Crops & Products, J Food Measurement and Characterization, Biocatalysis & Agricultural Biotechnology, J Agriculture and Food Research, NFS Journal, Access Microbiology, Clinical Phytoscience, J. Nutr. Sci.& Vitaminol, Foods. In the same time, twenty seven processes have been accepted by the editorial committee of BCSIR authority. Out of twenty seven sixteen processes have commercially leased out to the entrepreneurs for production and most of them are available in the local markets.

MEMBERSHIP

1. Member of National Codex Committee, Bangladesh.
2. Member of Agricultural and Food Divisional Committee of BDS Preparation.
3. Member of Cereals Sub-committee of BDS Preparation.
4. Life Member of Chemical Society of Bangladesh.
5. Life Member of BAS
6. Life Member of Bio-chemistry and Molecular Biology Society of Bangladesh.

LIST OF PUBLICATIONS OF MD ABDUS SATTER MIAH

Publications as a Chief Scientific Officer:

1. Md Faridul Islam, Shariful islam, **Mohammed A Satter**, A.K. Obidul Huq, Anik Kumar Saha, Zinia Jannat Mou, Md Mahmudul Hassan Mondol, Mohammad Nazrul Islam Bhuiyan. Green synthesis of zinc oxide nano particles Allium cepa L.Waste peel extracts and its antioxidant and antibacterial activities. [Heliyon 10 \(2024\) e25430](#)
2. Shariful Islam, **Mohammed A Satter**, Faridul Islam, Khurshida Jahan Tisa, Md. Mahmudul Hassan Mondol. Enzymatic extraction of green banana resistant starch for future food preparation: structural, physicochemical and functional characterization. [Future Foods 9 \(2024\) 100308](#)
3. Mst. Meherunnahar, Md Mozammel Hoque, **Mohammed A Satter**, Tanvir Ahmed, R.S. Chowdhury, and S. Aziz. Effect of Cooking Characteristics, Amino Acid Consistency, and Functional Properties of Composite Noodles Made from Foxtail Millet. [Measurement: Food 13 \(2024\) 100138](#)
4. Md. Zia Uddin Al Mamun, Tamanna Haque, Md Sagir Ahmed, **Mohammed A. Satter**, Mohajira Begum, Md Sujan Hossen, Shyama Prosad Moulic, Farhana Jahan, Rahima Akter Sathee, Md Shohel Rana. Nutritional evaluation of edible swimming crabs *Portunus pelagicus* (Linnaeus, 1758) and *Portunus sanguinolentus* (Herbst, 1783) from coastal area of Bangladesh. [J Agri & Food Res 15 \(2024\)100972](#)
5. M. Ashaduzzaman Nur, Mubenu Islam, Sangram Biswas, M. Nahid Hasan, M. Mashiar Rahman, M. Jashim Uddin, **Mohammed A. Satter**, M. Ziaul Amin. Determination of biological activities of malabar spinach (*Basellaalba*) fruit extracts and molecular docking against COX-II enzyme. [Heliyon 9 \(2023\) e21568](#)
6. **Mohammed A Satter**, Shariful Islam, Nusrat Abedin, Md Nazmul Islam, Md Faridul Islam, Khurshid Jahan Tisa, Anik Kumar Saha, Shahin Aziz. Physicochemical and Functional Properties of Banana Starch and It's Alternative. [Current Res Nutr & Food Science 2023; 11\(2\); 866-879](#)
7. G. M. M. A. Hasan, **Mohammed A Satter** and K. S. Ahmed. Molecular characterization and antimicrobial resistance of Escherichia coli in dairy products of Dhaka, Bangladesh. [BJSIR \(2023\), 58\(2\), 79-88.](#)
8. Md. Zia Uddin Al Mamun, Md. Sujan Hossen , Mohajira Begum, **Mohammed A. Satter**, Rahima Akter Sathee, Sarmina Yeasmin, Lailatul Ferdousi, Supriya Ahmed, Md. Selim Reza and Md. Al-Amin Miah. Nutritional comparison of experimentally and commercially sun-dried lean fish and small prawns of Bangladesh. [JAFSB, 1\(3\), 176-181, 2023](#)
9. Md Ashaduzzaman Nur, Maruf Khan, **Mohammed A. Satter**, M. Mashiar Rahman, M. Jashim uddin, M. Ziaul Amin. Assessment of physicochemical properties, nutrient

- contents and colorant stability of the two varieties of Malabar spinach (*Basella alba* L.) fruits. [Bio catalysis & Agricultural Biotechnology](#) 51(2023) 102746
10. Khondoker Shahin Ahmed, G. M. M. Anwarul Hasan, **Mohammed A. Satter**, Kiron Sikdar. Making ice cream with natural sweetener stevia: Formulation and Characteristics. [Applied Food Research](#) 3 (2023) 100309
 11. Akter Hossain Reaz, Md Jaynal Abedin, Abu Tareq Mohammad Abdullah, **Mohammed A Satter**, Tasnim Farzana. Physicochemical and structural impact of CMC-hydrocolloids on the development of gluten-free foxtail millet biscuits. [Heliyon](#) 9 (2023) e17176
 12. S. Aziz, M. S. Sarowar, S. Parveen, **Mohammed A Satter**, S. Siddique and M. H. Ara Begum. Antimicrobial activities of *Cassia sophera* L. extract. *BJSIR* 2023; 58(1), 45-52.
 13. Mohammad Nazrul Islam Bhuiyan, Kazi Asma Ahmed Shamima, Meher Nahid, Sadia Afrin, Mohammad Amirul Hoque, Mohammad Majedul Haque, Mohammad Khabir Uddin Sarker, **Mohammed Abdus Satter Miah**, Mohammad Aftab Ali Shaikh. Decolorizing *Stevia rebaudiana* (Bert.) Leaf Extracts with Activated Charcoal and Qualitative Analysis of Stevioside Using Chromatographic Methods. [J Chromatogr Sep Tech](#), 14 (3): 1000513
 14. Salma Ahmed, Paroma Arefin, Kanika Mondal, **Mohammed A Satter**. Comparison of Nutritional Quality and Storage Stability of β -Carotene Fortified Soybean Oil and Olive Oil. [Trop J Nat Prod Res](#) 2023; 7 (3), 2487-2491
 15. Md. Zia Uddin Al Mamun, Shyama Prosad Moulick, Mohajira Begum, Farhana Jahan, **Mohammed A. Satter**, Md. Nazim Uddin, Rahima Akter Sathee, Md. Waliullah, Faridul Islam. Nutritional analysis of indigenous sources: An approach to explore its potential application as alternative feedstuffs for Thai Koi (*Anabas testudineus*). [JAgri and Food Res](#) 12 (2023)100558
 16. Mst. Meherunnahar, Tanvir Ahmed, Razia Sultana Chowdhury, **Mohammed A Satter**, Kandi Sridhar, Baskaran Stephen Inbaraj, Md. Mozammel Hoque, and Minaxi Sharma. Development of Novel Foxtail Millet-Based Nutri-Rich Instant Noodles: Chemical and Quality Characteristics. [MDPI, Foods](#) 2023; 12, 819
 17. Md. Ashaduzzaman Nur, M. Rasel Uddin, M. Jashim Uddin, **Mohammed A Satter**, M. Ziaul Amin. Physicochemical and nutritional analysis of the two species of dragon fruits (*Hylocereus* sp.) cultivated in Bangladesh. [South Asian J Botany](#) 2023; 155, 103-109
 18. G. M. M. Anwarul Hasan, Anuj Kumer Das, **Mohammed A. Satter** and Md Asif. Distribution of Cr, Cd, Cu, Pb and Zn in organ of three selected local fish species of Turag river Bangladesh and impact assessment on human health. [Emerging Contaminants](#) 9 (2023) 100197
 19. G. M. M. Anwarul Hasan, **Mohammed A. Satter** Anuj Kumer Das and Md Asif. Detection of heavy metals in fish muscles of selected local fish varieties of the

- Shitalakshya River and probabilistic health risk assessment. [Measurement: Food 8 \(20022\) 100065](#)
20. Md. Jaynal Abedin, Abu Tareq Mohammad Abdullah, **Mohammed A. Satter**, Tasnim Farzana. Physical, functional, nutritional and antioxidant properties of foxtail millet in Bangladesh. [Heliyon 2022; 8 e11186](#)
 21. Sumaiya Subrin, M Faridul Islam, **Mohammed A Satter**, Jamilur Rahman , M Salma Zannat, MG Ferdous Chowdhury and Ashrafi Hossain. Physico-functional and Nutritional Properties of Pigmented and Non-pigmented Maize Available in Bangladesh. [Bangladesh J. Bot. 2022; 51\(3\): 589-596](#)
 22. G. M. M. Anwarul Hasan, Anuj Kumer Das and **Mohammed A. Satter**. Human health risk assessment through the detection of organochlorine pesticides in vegetables and fruits from Dhaka, Bangladesh by Gas chromatography Tandem Mass Spectrometry (GC-MS/MS). [Current Res Nutr & Food Science 2022; 10 \(2\), 720-732](#)
 23. Paroma Arefin, Salma Ahmed, Md Shehan Habib, Zafar As Sadiq, Farhana Boby, Subarna Sandhani Dey, Aishwarya Arefin, Md Abdus Rahim, Tanki Ashraf, Shirmin Islam, Md Saidul Arefin, **Mhammed A Satter** and Md Ibrahim. Assessment and comparison of nutritional properties of jackfruit seed powder with rice, wheat, barley and maize flour. [Current Res Nutr & Food Science 2022; 10\(2\) 544-552](#)
 24. G. M. M. Anwarul Hasan, Anuj Kumer Das and **Mohammed A. Satter**. Detection of acrylamide traces in some commonly consumed heat-treated carbohydrate-rich foods by GC-MS/MS in Bangladesh. [Heliyon 8 \(2022\) e110092](#)
 25. Hossain, Md Nur and Sweeti, Salma Akter and Afrin, Sadia and Lisa, Sharmin Akter and Begum, Shamima and **Mohammed A. Satter**, Characterization of Yeasts for Biosurfactant Production and Their Applications. <http://dx.doi.org/10.2139/ssrn.4024804>
 26. G.M.M. Anwarul Hasan, Md. Aftab Ali Shaikh, **Mohammed A. Satter** and Md. Sabir Hossain. Detection of indicator Polychlorinated biphenyls (I-PCBs) and polycyclic aromatic hydrocarbons (PAHs) in cow milk from selected areas of Dhaka, Bangladesh and potential human health risks assessment. [Toxicology Reports 9 \(2022\) 1514-1522.](#)
 27. AM Swaraz, Fariha Sultana, Khondoker Shahin Ahmed, **Mohammed A. Satter**, Md Hemayet Hossain, Obayed Raihan, Afrina Brishti, Ibrahim Khalil, Siew Hua Gan. Polyphenols Profile and Enzyme Inhibitory Properties of Blumea lacera (Burm. f.) DC: A Potential Candidate against Obesity, Aging, and Skin Disorder. [Chem. Biodiversity 2022, 19, e202200282](#)

28. G. M. M. Anwarul Hasan, Anuj Kumer Das and **Mohammed A. Satter** and Md Asif. Bioaccumulation of Organophosphorus (OPs) and Carbamate (CBs) Residues in Cultured Pangas Catfish (*Pangasius pangasius*) and Health Risk Assessment. [Journal of Toxicology 2022; 4644227](#)
29. Majidul Islam , Rumana Yesmin Hasi , Hanif Ali1 , Polash Chandra Karmakar , Rowshanul Habib , **Mohammed A. Satter** , Tanzima Yeasmin. Antioxidant and Antineoplastic Activities of Leaves of *Hibiscus sabdariffa* Linn against Ehrlich Ascites Carcinoma Cells in Swiss Albino Mice. Published May 22, [Bangladesh Med Res Counc Bull 2021; 47: 156-164](#)
30. G. M. M. Anwarul Hasan, Anuj Kumer Das and **Mohammed A. Satter**. Multi residue analysis of organochlorine pesticides in fish, milk, egg and their feed by GC-MS/MS and their impact assessment on consumer's health in Bangladesh. [NFS Journal 2022; 27: 28-35](#).
31. Hasan G. M. M. A, **Mohammed A. Satter** and Kabir M.H. Determination of heavy metals in raw and pasteurized liquid milk of Bangladesh to assess the potential health risks. [Food Research 22; 6\(1\): 233-237](#).
32. G. M. M. Anwarul Hasan, Anuj Kumer Das and **Mohammed A. Satter**. Accumulation of Heavy Metals in Rice (*Oryza sativa*. L) Grains Cultivated in Three Major Industrial Areas of Bangladesh. [Journal of Environmental and Public Health; 2022, 1836597](#).
33. G. M. M. Anwarul Hasan, **Mohammed A. Satter**, Md Mahbubul Morshed and Anuj Kumer Das. Determination of Acrylamide contents in Grilled Meat and Fish Foods through Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS) in Bangladesh. [OJC 2021, Vol. 37 \(5\); 1046-1050](#).
34. G. M. M. Anwarul Hasan, **Mohammed A. Satter** and Anuj Kumer Das. Potential Human Health Risks Assessment through Determination of Heavy Metal Contents in Regularly Consumed Yogurts in Bangladesh. [BioSci. Biotech. Res. Asia 2021, Vol 18 \(3\)](#).
35. MAA Noman, R Ahmmed, MHT Mondal, MSI Khan, MN Islam, **Mohammed A Satter**, MF Islam. Weaning food from indigenous sources in Bangladesh. [Bangladesh J Sci. Ind. Res. 2021; 56 \(1\), 29-38](#).

36. AM Swaraz, Fariha Sultana, Md Wasim Bari, Khondoker Shahin Ahmed, Mehedi Hasan, Monirul Islam, Mohammad Amirul Islam, **Mohammed A. Satter**, Md Hemayet Hossain, Md Shafiqul Islam, Md Iqbal Khan, Md Obayed Raihan. Phytochemical Profiling of *Blumea laciniata* (Roxb.) DC. And its phyto-pharmaceutical potential against diabetic, obesity, and Alzheimer's. [Biomedicine & Pharmacotherapy; 2021: 111859](#)
37. Shahin Aziz, Koushik Saha, **Mohammed A Satter**, Md Hemayet Hossain. Extraction and Determination of Chemical Structure from Flower Dichloromethane Extract of *Catharanthus roseus*. [IPSRR; 2021; 40-43](#).
38. Sadia Afrin, Jannatul Sumaiya Promee, Meher Nahid, **Mohammed A. Satter**, Mohammad Amirul Haque, Ashish Kumar Sarker and Mohammad Nazrul Islam Bhuiyan. Influence of Thermal and Osmotic Pressure on the Growth and Viability of *Candida Shehatae* var *Shehatae*. [J Yeast and Fungal Res. 2021; Vol. 12\(2\) pp 20-27](#).
39. Mohajera Begum, Md Ziauddin Al Mamun and **Mohammed A Satter**. Nutritional Profiling of Selected Fish's Scale: An Approach to determine its Prospective Use as a Biomaterial. [IJFAS 2021; 9\(3\):26-31](#).
40. Sadia Afrin, Mohammad Amirul Haque, Ashish Kumar Sarker, **Mohammed A Satter** and Mohammad Nazrul Islam Bhuiyan. Characterization and profiling of bacteriocin-like substance produced by lactic acid bacteria from cheese samples. [Access Microbiology. 2021; 3:000234](#)
41. Sadia Afrin, Kazi Asma Ahmed Shamima, Mohammad Amirul Haque, Ashish Kumar Sarker, **Mohammed A Satter** and Mohammad Nazrul Islam Bhuiyan. Determination *in vitro* Antimicrobial Activity of *Stevia Rebaudiana* (Bertoni) Leaf Extracts against Antibiotic Resistant Microorganisms. [Asian J Microbiol Biotec. Env. Sci.2021; Vol 23 \(1\): 31-41](#).
42. **Mohammed A. Satter**, Abedin N., Jabin S.A., Islam M.F., Hossain N., Ahsan A., Sarkar A.K. Linkon M.R. and Farhana J.A. Comparative assessment of nutritive values and safety characteristics of bread sold in Bangladesh. [Food Research 2021; 5\(1\); 417-425](#)
43. Mst. Meherunnahar, Md Mozammel Haque, **Mohammed A. Satter**, Faridul Islam. New BARI Wheat Cultivars: Evaluation of Processing and Nutrition Value. [IJISRT 2020; Vol 5 \(4\): 1473-1481](#).
44. AM Swaraz, Shamima Khan Sumi, Fariha Sultana, Mehedi Hasan, Monirul Islam, Md Wasim Bari, Mohammad Amirul Islam, **Mohammed A. Satter**, Khondoker Shahin Ahmed, Md Hemayet Hossain. Bioactive compound and bioactivity fidelitous micropropagation

method of *Blumea lacea* (Burm f.) DC: A large scale production potential. [Industrial Crops & Products 151 \(2020\) 112370](#)

45. Rumana Yesmin Hasi, Hanif Ali, Majidul Islam, Rowshan Habib, **Mohammed A Satter** and Tanzima Yesmin. Antioxidant and antineoplastic activities of roots of *Hibiscus sabdariffa* Linn, Against Ehrlich ascites carcinoma cells. [Clinical Phytoscience 2019, 5: 46](#)
46. M. Ziaul Amin, Tehera Islam, Farhana Mostafa, M. Jasim Uddin, M.M. Rahman and **Mohammed A. Satter**. Comparative assessment of the Physicochemical and biochemical properties of native and hybrid varieties of Pumpkin seed and seed oil (*Curcubita maxima* Linn). [Heliyon 5 \(2019\), e02994](#)

Publications as a Principal Scientific Officer:

47. M Ziaul Amin, Tehera Islam, M Rasel Uddin, M Jasim Uddin, M Mashiar Rahman and **Mohammed A Satter**. Comparative study on nutrient contents in the different parts of indigenous and hybrid varieties of pumpkin (*Cucurbita maxima* Linn.). [Heliyon 2019, 5 \(9\), e-02462](#)
48. Polash Chandra Karmakar, Rumana Yesmin, Hanif Ali, M. Rowshanul Habib, Dharendra Nath Barman, **Mohammed A. Satter**, Kamal Krishna Biswas. Antioxidant, cytotoxic and apoptotic potentials of seeds of *Momordica subangulata* subsp. *renigera* inhibit the growth of Ehrlich ascites carcinoma in mice. [J Food Measurement & Characterization.2019 s11694-019-00227-z](#)
49. A.M. Swaraz, **Mohammed A. Satter**, Md. Mahfuzur Rahman, Mohammad Asadullah Asad, Imran Khand,, Md. Ziaul Amin. Bioethanol production potential in Bangladesh from wild date palm (*Phoenix sylvestris Roxb.*): An experimental proof. [Industrial Crops & Products 139 \(2019\) 111507](#)
50. M Meherunahar, RS Chowdhury, M Mozammil Hoque, **Mohammed A Satter**, and M Faridul Islam. Comparison of nutritional and functional properties of BK2 foxtail millet with rice, wheat and maize flour. [Progressive Agriculture 2018; 29\(2\): 186 – 194.](#)
51. Tanzima Yeasmin, Hanif Ali, Rumana Yesmin, Majidul Islam, Akter Hoshen, Rawshanul Habib, **Mohammed A Satter**, KM Faisal Haque. Growth Inhibition and Apoptosis of Ehrlich Ascites Carcinoma Cells by Methanol Extract from the Calyx of *Hibiscus Sabdariffa* Linn. [CAJMS 2018; 4 \(2\): 155-165.](#)

52. Mst Meherunahar, M Mozammil Hoque, **Mohammed A Satter**, Nusrat Abedin and M Faridul Islam. Evaluation of Nutritional and Functional Status of Three Varieties of Foxtail Millet Cultivars in Bangladesh. [Bangladesh J Bot.](#) 2018; 47 (2): 301 – 306.
53. Hanif Ali, Rumana Yesmin, **Mohammed A Satter**, Rowshanul Habib and Tanjima Yesmin. Antioxidant and antineoplastic activity of methanolic extract of *Kaempferia galangal* Lin. Rhizome against Ehrlich ascites carcinoma cells. [J King Saud Univ.- Science.](#) 2018; 30: 386–392.
54. Majidul Islam, Rumana Yesmin, Hanif Ali, Polash Chandra Karmakar, Rawshanul Habib, **Mohammed A Satter** and Tanzima Yeasmin. Chemical Composition and Anticancer Properties of *Alpina calcarata* Rosc. Rhizome. [J Pharmacog. Phytochem.](#) 2017; 6 (5): 2491-2494.
55. Swaraz AM, **Mohammed A Satter**, Shamima KS. Assessment of yield and nutritional composition of fruit of wild date palm. (*Phoenix sylvestris* Roxb.) cultivars. [Int. J. Biosci.](#) 2017; 11(4), 85 – 91.
56. **Mohammed A Satter**, Mohammed Murtaza Reza Linkon Khan, Syeda Absha Jabin, Nusrat Abedin, Mohammed Faridul Islam, Badhan Shaha. Nutritional quality and safety aspects of wild vegetables consume in Bangladesh. [Asian Pac J Trop Biomed](#) 2016; 6(2)125–131.
57. **Mohammed A. Satter**, Nusrat Abedin, S. Absha Jabin, M. Faridul Islam, Umme Hafsa Begum, D.K. Paul. A Highly Nutritive Supplementary Food: Improving the Nutritional Status of Pregnant and Lactating Mothers. [Agro FOOD Industry Hi Tech.](#) 2016; 40 – 45.
58. K M M Reza Linkon, **Mohammed A Satter**, S.A. Jabin , Nusrat Abedin ,M. F. Islam, Laisa Ahmed Lisa, Dipak Kumar Paul. Mineral and Heavy Metal Contents of Some Vegetable Available In Local Market of Dhaka City in Bangladesh. [IOSR Journal of Environmental Science, Toxicology and Food Technology](#) 2015; 9(5), PP 01-06.
59. Ziaul Amin, Shaharier Karim Josy, AM Swaraz and **Mohammed A. Satter**. A Comparative Nutritional Analysis of Red Amaranth (*Amaranthus tricolor* L) in Refrigerating and non-refrigerating Condition. [IJGHC](#) 2015; 4(3), 243 – 255.
60. Ziaul Amin, Raju Ahmed, Ashrafuzzaman Zahid, AM Swaraz and **Mohammed A. Satter**. A Comparison of the Nutrient Contents of Fresh (non- refrigerating) and Refrigerating Snake Gourd (*Trichosanthes cucumerina* var *anguina* L). [JCBPS](#) 2015; 5(3), 2723 – 2735.
61. Rashida Parvin, **Mohammed A. Satter**, S A Jabin, N Abedin, Islam MF, M Kamruzzaman and DK Paul. Studies on the Development and Evaluation of Cereal Based Highly Nutritive Supplementary Food for Young Children. [IJIAS](#) 2014, vol. 9 (2); pp 974-984.

62. Abul Kalam Azad, Nilufa Yesmin, Shanjit Kumar Sarker, **Mohammed A. Satter** and Rezaul Karim. Optimum condition for bio-ethanol production from potato of Bangladesh. [Advance in Bioscience and Biotechnology](#), 2014, vol. 5, pp 501-507.
63. **Mohammed A. Satter**, H Ara, SA Jabin, N Abedin, AK Azad, Abul Hossain and U Ara. Nutritional Composition and Stabilization of Local Variety Rice Bran BRRI-28. [IJST](#) 2014, Vol 3(5); pp 306-313.
64. **Mohammed A. Satter**, Jabin SA, Abedin N, Islam MF, Parvin R, Dhali M and Amin MZ. Development and Evaluation of Weaning Foods Using Locally Available Fruits in Bangladesh. [Mal J Nutr](#) 2014, Vol 20 (1); pp 83-92.
65. Islam F, Islam, S., Shajahan, M., Nandi, NC. and **Mohammed A Satter**. Chemical constituents of essential oil from the leaf of *Alpinia nigra* of Bangladesh. [Int. Food Res. J.](#) 2014, Vol. 21(1); pp 161 – 164.

Publications as a Senior Scientific Officer:

66. **Mohammed A. Satter**, Syeda Absha Jabin, Nusrat Abedin, Taslima Arzu, Kanika Mitra, A. M. Abdullah and D. K. Paul. Development of nutritionally enriched instant weaning food and its safety aspects. [AJFS](#) 2013, Vol. 7(8), pp 238-245.
67. Ziaul Amin, Kamal Krisna Biswas, M Omar Faruk, Syed Mauz Al Hasan and **Mohammed A Satter**. Study of some enzymatic activity from two varieties of water chestnut (*Trapa* sp.). [IJST](#) 2013, Vol. 2 (5); pp 382-387.
68. Md Hafizur Rahman, Md Ziaul Amin, Matiar Rahman And **Mohammed A Satter**. A demographic study on vitiligo (sheti) in Bangladesh. [IJR Med. Sci.](#)2013, Vol. 1(2); pp 123-128.
69. Islam F., Islam S., Nandi NC. and **Mohammed A. Satter**. Essential oil composition from the flower of *Alstonia scholaris* of Bangladesh. [Int. Food Res. J.](#) 2013, Vol. 20(6); pp 3185-3188.
70. M. Z. Amin, L. N. Siddique, **Mohammed A. Satter** and K. K. Biswas. Increasing incidence of hepatitis A in Bangladesh. [BJSIR](#) 2012, Vol. 47 (3), pp 309-312.
71. Z. U. Amin, M. H. Rahman and **Mohammed A. Satter**. Study of some biochemical parameters of vitiligo patients in Bangladesh. [BJSIR](#) 2012, Vol. 47 (2) pp 173-186.
72. R. Akter, **Mohammed A. Satter**, M. S. Khan, M. S. Rahman and N. U. Ahmed. Cytotoxic Effect of Five Medicinal Plants Extracts Using Brine Shrimp (*Artemia salina*). [BJSIR](#) 2012, Vol. 47 (1), pp 133-136.
73. . F. Islam, S. C. Bhattacharjee, A. S. M. Mahmud, M. T. H. Sarker, M. A. Khatun, **Mohammed A. Satter**, M. S. Khan, And T. Taznin. Evaluation of Zinc in various Arums,

Bananas, Vegetables and Pulses from five upazila of Chittagong region in Bangladesh by Spectro-photometric method *Journal Env. Sci. Toxc. And Food Tech.* 2012. Vol. 2(3); pp 2319-2399.

74. N. Sultana, M. Z. Azam, M. Z. Amin, B. Shams, **Mohammed A. Satter**. And S. M. Masum. Vitamin B and Essential Menerals Contents of Mixed Solid State Fermented Millet (*Steria italika*) and Bengal Gram by *Rhizopus oligosporus*. *BJSIR* 2011, Vol.46 (1), pp 1-8.
75. N. U. Ahmed, R. Akter, **Mohammed A. Satter**, M. S. Khan, F. Islam and A. M. Abdullah. Anti-Inflammatory, Antioxidant and Anti-Diarrheal Effects of Ethanol Extract of *Stephania Japonica*. *BJSIR* 2011, Vol. 46 (4), pp 437-442.
76. M. Mostafa, I. A. Jahan, M. Riaz, H. Hossain, I. Nimmi, **Mohammed A. Satter** and J. U. Chowdhury. Comprehensive Analysis of the Composition of Seed and its Fatty Oil from *Swietenia mahagoni* Jacq. Growing in Bangladesh. *Dhaka Uni. J. Pharm. Sci.* 2011, Vol. (1), pp 49-52.
77. M. Z. Amin, Hiroaki Kagawa and **Mohammed A. Satter**. Preparation and Characterization of Anti-CeTNT-1 and Anti-CeTNT-4 Antibodies. *BJSIR* 2009, Vol. 44 (3), pp 371-376.
78. Mohammad Alizadeh, Fusao Ota, Kazuo Hosoi, Makoto Kato, Tohru Sakai and **Mohammed A. Satter**. Altered allergic cytokine and antibody response in mice treated with Bisphenol A. *Journal of Med. Invest.* 2006. Vol. 53 (1), pp 70-80.

Publications as a Scientific Officer:

79. Sherin A, **Mohammed A. Satter**, Yamamoto S, Maeda K, Minato Y and Ota F. Further Evidence Regarding the Effect of Dietary Protein on Oral Tolerance against Beta-Lactoglobulin through Th1-mediated Immune Response in Mice. *J. Nutr. Sci. & Vitaminol.* 2003; 49(2); 112-119.
80. **Mohammed A. Satter**, Ahmed Sherin, Mohammed Alizahde, Ken-ichi Maeda, Yoshihiro Minato and Fusao Ota. Enhancement of Oral Tolerance in Mice by Low Dietary Protein and the Mechanisms involved. Published as international conference proceedings “Nutrition and Immunology in the 21st Century” edited by Ranjit Kumar Chandra, TSAR Health, New Delhi, India, 2003.
81. **Mohammed A. Satter**, Kentaro Sakai, Sherin Ahmed, Kenji Yoshino, Shigeru Yamamoto, Yuji Shimizu, and Fusao Ota: Low Protein Diet Induces Oral Tolerance to Ovalbumin in Mice. *J. Nutr. Sci. & Vitaminol.* 2002; 48: 51-58.

82. **Mohammed A. Satter**, Yuriko Yadatsu, Kuniko Seo and Hiroto Akiyoshi : Alteration of Sensibilities to Thiol Reactive Agents of Ca(+2), Mg(+2)-dependent Endonuclease during Isolation from Rat Liver. [Nat. Sci. Res.](#) 2002; 15: 17-27.
83. Sakai, K. **Mohammed A. Satter**, Ota F. and Yamamoto S.: Effects of Low Protein Diet on Oral Tolerization. [Essential Amino Acids Res.](#) (Japanese) 2001; 161: 88-92.
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86. **Mohammed A. Satter**, Sarker AA and Absar N. Studies on the Activities of Amylase, Cellulose, and Protease in Mulberry (*Morus alba* L.) Leaves. [Bangladesh Sericultural Res. Bull.](#) 1996; 7: 19-22.
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Abstracts Publication in Conferences:

88. Md Faridul Islam, **Mohammed A Satter**, Nusrat Absdin, Md Nazmul Islam, Shariful Islam, Anik Kumar Shaha, Khurshida Jahan Tisha and Abdul Jalil. Extraction of Starch from Banana and Rice: Physicochemical, Morphological, Diffraction and Functional Properties. International conference named BCSIR Congress-2022 on Integrated Approach for Adapting 4IR; organized by BCSIR on 01-03 December, 2022.
89. Avhijit Choudhury, Mohammad Nazrul Islam Bhuiyan, Sadia Afrin and **Mohammed A Satter**. "Isolation and characterization of biofilm forming bacteria and biofilm associated growth from environmental sample". International conference on environmental protection for sustainable development (ICEPSD-2022) IL-4 organized by Forest and Environment Affairs Sub-Committee Bangladesh Awami League on September 2-4, 2022; CIRDAP and university of Dhaka.
90. Shariful Islam, **Mohammed A Satter**, Md Faridul Islam, AKM Nur Alam Siddiki and Md Abdus Salam. Synthesis Characterization and Biological Activity Study of

Some Ternary Metal Complexes. International conference on environmental pollution for sustainable development (ICEPSD-2022) organized by Forest and Environment Affairs Sub-Committee Bangladesh Awami League on September 2-4, 2022; CIRDP and university of Dhaka.

91. Md Faridul Islam, **Mohammed A Satter**, Nusrat Absdin, Md Nazmul Islam, Shariful Islam, Anik Kumar Shaha, Khurshida Jahan Tisha and Abdul Jalil. Comparative Study of Physicochemical Properties of Local Banana and BARI-2 Banana Starches. International conference on environmental pollution for sustainable development (ICEPSD-2022) organized by Forest and Environment Affairs Sub-Committee Bangladesh Awami League on September 2-4, 2022.
92. Mohammed Nazrul Islam Bhuiyan, Meher Nahid, **Mohammed A Satter**, and Aftab Ali Shaikh. Comparison of the chemical composition and antimicrobial activities of two species of cosmos leaf essential oils from Bangladesh. International conference named BCSIR Congress-2022 on Integrated Approach for Adapting 4IR; organized by BCSIR on 01-03 December, 2022.
93. Mst Meherunnahar, Md Mozammel Hoque, **Mohammed A Satter**, Md Faridul Islam and Shahin Aziz. Effects of Functional Properties, cooking characteristics and amino acid consistency on the quality of foxtail millet noodles. International conference named BCSIR Congress-2022 on Integrated Approach for Adapting 4IR; organized by BCSIR on 01-03 December, 2022.
94. **Mohammed A Satter**, Nusrat Abedin, M. Faridul Islam and Abdul Jalil. Bread consumed in Bangladesh: Nutritional quality and safety aspects. International conference on science and technology for celebrating the birth centenary of Bangabandhu (ICSTB-2021) organized by BCSIR, Dhaka-1205 on 11-13 March, 2021.
95. Nusrat Abedin, Sayeda Sultana, **Mohammed A Satter**, M. Faridul Islam and MR Linkon. International conference on science and technology for celebrating the birth centenary of Bangabandhu (ICSTB-2021); organized by BCSIR, Dhaka-1205 on 11-13 March, 2021.
96. Sadia Afrin, Kazi Asma Ahmed Shamima, Mohammad Amirul Haque, Ashish Kumar Sarker, **Mohammed A Satter** and Mohammad Nazrul Islam Bhuiyan. In vitro

antimicrobial activity of *stevia rebaudiana* (Betoni) leaf extracts and its main component stevioside against antibiotic resistant food pathogens. International conference on science and technology for celebrating the birth centenary of Bangabandhu (ICSTB-2021); organized by BCSIR, Dhaka-1205 on 11-13 March, 2021. Serial number: IL-G03, page no. 231.

97. M. Meherunnahar, Mozammel Haque, **Mohammed A Satter**, RS Chowdhury, Nusrat Abedin and M. Foridul Islam. Comparison of Physicochemical and Functional Properties of BK-2 Foxtail Millet, Rice, White and Maize. International Conference on Chemical Science and Technology held in Khulna University of Science & Technology, Khulna-923 on 24-25 February, 2018.
98. M. Meherunnahar, Mozammel Haque, **Mohammed A Satter**, Nusrat Abedin and M. Foridul Islam. Production and quality assessment of enriched noodles from composite flour. International Conference on Challenges for Future Agriculture held in Bangladesh Agricultural University, Mymensingh on January 27 – 28, 2018.
99. M. Meherunnahar, Mozammel Haque, **Mohammed A Satter**, Nusrat Abedin and M. Foridul Islam. Evaluation of Nutritional and Functional Status of Three Foxtail Millet Cultivars in Bangladesh. 7th International Botanical Conference organized by Bangladesh Botanical Society held in University of Dhaka on 2-3 December, 2017.
100. M. Meherunnahar, Mozammel Haque and **Mohammed A Satter**. Comparative Study of Nutritional Status of the Three Varieties of Foxtail Millet with Other Major Cereal in Bangladesh. 5th National Convention and International Agricultural Conference held in Dhaka on 29-30 September, 2016.
101. **Mohammed A. Satter**, Syeda Absha Jabin, Nusrat Abedin, Faridul Islam. Nutritional Quality and Health Hazards of Different Varieties of Chips and Crackers Available in Bangladesh. Published in the 2^{3rd} Bangladesh Science Conference, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gajipur, Bangladesh. 17 – 18 October, 2015.
102. **Mohammed A. Satter**, Syeda Absha Jabin, Nusrat Abedin, Faridul Islam. A highly Nutritive Supplementary Food for Improving the Nutritional Status of Pregnant and Lactating Mother. Published in the Conference of the Global Conference on Community Health, Dhaka, Bangladesh. March 19 – 21, 2014.

103. **Mohammed A. Satter**, Taslima Arzu, Syeda Absha Jabin and Dipak Kumar Paul. Weaning Food From Cereal: It's preparation and safety aspect. Published in the Conference of the Bangladesh society for Biochemistry and Molecular Biology. February 25-26, 2012.
104. **Mohammed A. Satter**, Ahmed Sherin, Mohammed Alizahde, Ken-ichi Maeda, Yoshihiro and Fusao Ota. Low Protein Diet Inducing Oral Tolerance to Th1 and Th2 Dietary Antigens and It's Control Mechanisms. Published in the International Conference on Nutrition and Immunology in the 21st Century in New Delhi, India, February 20-22, 2003.
105. Sherin Ahmed, Han X, **Mohammed A. Satter**, Yamato M, Koga K and Ota F. Antibacterial Activity of Some Herbal Plants Against *Streptococcus pyogenes*. Published in the 35th Shikoku-Chugoku Regional Conference of Japanese Society for Nutrition and Food Science. P 16, November 23-24, 2002.
106. Sherin A, **Mohammed A. Satter**, Sakai T, Yamamoto S and Ota F. Low Dietary Protein Induces Oral Tolerance Selective for Th1-mediated Immune Responses to Beta-lactoglobulin (β -LG). Published in the 56th Annual Conference of Japanese Society of Nutrition and Food Science. P 203, July 19-21, 2002.
107. **Mohammed A. Satter**, Sherin A, Sakai K, Yamamoto S and Ota F. Restricted Dietary Protein Enhances Oral Tolerance Dependent upon Th2 Activity. Published in the 54th Annual Conference of Japanese Society for Bacteriology. P 24, October 18-19, 2001.
108. Sherin Ahmed, Patar A, Hashimoto Y, Yamato M, Sakai K, Takeoka A, **Mohammed A. Satter**, Koga T and Ota F. Enterotoxin Production of MRSA Strains from Patients with Chronic Respiratory Diseases in Reference to Food Poisoning. Published in the
109. Diet on Oral Tolerance. Published in the 33rd Shikoku-Chugoku Regional Conference of Japanese Society of Nutrition and Food Science. P 18, November 18-19, 2000.

Processes Accepted: Twenty five (24) processes have accepted by the editorial committee of BCSIR authority. Out of twenty one sixteen processes have commercially

leased out to the entrepreneurs for production and most of them are available in the local markets.

1. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Tasnim Ferzana. Formulation Cardamon Flavour. Ref. 39.02.0000.043.37.938.22/536 Date 11.06.2023
2. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Mrs Samina Akter, Md Faridul Islam. Formulation Milk Flavour. Ref. 39.02.0000.043.37.940.22/537 Date 11.06.2023
3. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Kanika Mitra. Formulation Rose Flavour. Ref. 39.02.0000.043.37.938.22/176 Date 08.10.2023
4. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Evana parvin Lipi and Tasnim Farjana. Formulation of Eucalyptus Flavour. Ref. 39.02.0000.043.37.939.22/1280 Date 30.04.2023
5. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Md Faridul Islam. Formulation of Orange Flavour. Ref. 39.02.0000.043.37.874.21/287 Date 14.20.2023
6. Mr. Faridul Islam, **Mohammed A Satter**, Dr Mohammad Nazrul Islam Bhuiyan, Mr. Abdul Jalil, Shahin Aziz. Production of Cereal based nutritive instant weaning food. Reference No: 39.02.0000.043.37.867.21/895, Date: 29.12.2022
7. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Haque, Shahin Aziz, **Mohammed A Satter**, Ashish Kumar Sarker. Formulation of Vanila Flavour. Ref. 39.02.0000.043.37.873.21/1408 Date 31.10.2022
8. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Tasnim Farjana. Formulation of Lemon Flavour. Ref. 39.02.0000.043.37.875.21/195 Date 10.11.2022
9. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Tasnim Farjana. Production of Pineapple Flavour. Reference No: 39.02.0000.043.37.824.20/1015, Date: 29.09.2022

10. **Mohammed A Satter**, Dr Mohammad Nazrul Islam Bhuyan, Mr. Abdul Jalil, Mr. Faridul Islam. Production of Cereal based fortifier for Young Children (Five years to nine years). Reference No: 39.02.0000.043.37.883.21/1294, Date: 23.01.2022
11. **Mohammed A Satter**, Mr. Abdul Jalil, Mr. Faridul Islam, Nusrat Abedin, Dr. Mohammad Nazrul Islam Bhuyan. Production of Cereal based fortifier for Young Children (Six months to Five years). Reference No: 39.02.0000.043.37.872.21/771, Date: 23.12.2021
12. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Farhana Noorjahan Ahmed, Nahid Jahan. Production of Stevioside from Stevia Dry Leaf. Ref. 39.02.0000.043.37.823.20/592 Date 30.09.2021
7. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker. Production of Banana Flavour. Ref. 39.02.0000.043.37.825.20/866, Date 29.06.2021
8. **Mohammed A Satter**, Absha Jabin, Mr. Faridul Islam, Nusrat Abedin, Shahana Parvin, Ivana parvin Lipi. Nutritive Supplementary Food for Pregnant and Lactating Mother. Ref. 39.373.037.04.00.00.253.2015/861 Date 02.03.2016
9. Dr Umme Ara, **Mohammed A Satter**, Syeda Absha Jabin. Production of Fortified Instant Semolina (Suji). Ref. 39.373.037.04.00.071.2010/274, Date 15.03.2012
10. Dr Umme Ara, **Mohammed A Satter**, Syeda Absha Jabin. Production of Assorted Rice Porridge. Ref. 39.373.037.04.00.022.2010.3104, Date 08.06.2010
11. Dr Umme Ara, **Mohammed A Satter**, Syeda Absha Jabin. Production of Spirulina Enriched Instant Cereal Food. Ref. 39.373.037.04.00.073.2010.5258 Date 11.10.2010 ইং ।
12. Dr Umme Ara, **Mohammed A Satter**, Syeda Absha Jabin. Production of Coral Complex as Calcium Supplement. সূত্র নং-সচি/গউবি/৬২-৬৮৩/২০০৮/১৫০৪ তারিখঃ ১৩.০৪.২০০৯ ইং ।

13. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Amloki and Senna Mixed Tea. সূত্র নং : সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৪ তারিখঃ ১৫.১২.২০০৮ ইং।
14. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana Production of Haritoki-Methi Blended Tea. সূত্র নং- সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৫, তারিখঃ ১৫.১২.২০০৮ইং।
15. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Pipul – Haritoki Blended Tea. সূত্র নং- সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৬, তারিখঃ ১৫.১২.২০০৮ইং।
16. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Beal-Kurchi Blended Tea. সূত্র নং- সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৭, তারিখঃ ১৫.১২.২০০৮ইং।
17. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Blended Tea from Neem, Horitoki and Ginseng. সূত্র নং- সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৮, তারিখঃ ১৫.১২.২০০৮ইং।
18. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Bashak – Ginger Blended Tea. সূত্র নং- সচি/গউবি/৬২-৫৪৭/০৬/২৯৬৯, তারিখঃ ১৫.১২.২০০৮ইং।
19. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzanz Konika Mitra Production of Ready to Eat Traditional Rooti Chapati.. সূত্র নং ঃ সচি/গউবি/৬২-৫৭০/২০০৭/১২৮১, তারিখঃ ১৩.০৩.২০০৮ ইং।
20. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Konika Mitra, Badrunnesa Fyroza. Production of High Potency Nutraceutical (Food Supplement) Capsule. সূত্র নং- সচি/গউবি/৬২-৫৩৮/২০০৬/৭৭২, তারিখঃ ১২.০২.২০০৮ইং।
21. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Dr Shamima Begum. Production of Hi-Protein Natural Styl Bread Spread. সূত্র নং- সচি/গউবি/৬২-৫৫৩/২০০৬/২২৯, তারিখঃ ০৮.০১.২০০৭ইং।

22. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Dr Zahirul Haque Bhuiyan Production of Vitamin, Mineral and Protein Enriched Wheat Flour. সূত্র নং- সচি/গউবি/৬২-৫২৭/২০০৫/১১২১, তারিখঃ ১৮.০১.২০০৬ ইং।
23. Dr Umme Arra, **Mohammed A Satter**. Production of Chirata in Capsule Form. Dr Zahirul Haque Bhuiyan, সূত্র নং : সচি/গউবি/৬২-৪০০/২০০৪/১৩২, তারিখঃ ২৬.০৮.২০০৪ ইং।
24. Dr Zahirul Haque Bhuiyan, Dr Umme Ara, **Mohammed A Satter**, Golam Mortuza Ahmed. Production of Rice Based Oral Saline. সূত্র নং : সচি/গউবি/৬২-৩০৭/২০০৩/২৬০৭, তারিখঃ ১০.১২.২০০৩ ইং।

Professional Training Program Achieved: Successfully completed the following training program from home and abroad.

1. Successfully completed the week long training program on “Method Development, Validation and R&D works” during 05-11 February, 2020 at the School of Pharmacy and Bio-molecular Science, Liverpool John Moores University, Liverpool, United Kingdom.
2. Certificate achieved for the training on “Shimadzu Atomic Absorption Spectrophotometer” from January 16 to January 17, 2019 at CRD, BCSIR Laboratories, Dhaka-1205.
3. Successfully completed the training program on “Operating System and Maintenance of Atomic Absorption Spectrophotometer (AAS)” arranged by planning and Development Division, BCSIR, Dhaka from 10-14th March 2019.
4. Successfully completed the training on “Operation and Maintenance System of Atomic Absorption” from November 11-15, 2019.
5. Successfully completing the training on “Operation and Maintenance System of Protein Analyzer” held on November 11-15, 2018 at BCSIR Laboratories, Rajshahi.
6. Successfully completed the training on “Development Project Management and Public Procurement Act & Rules” held in NAPD, Ministry of Planning from October 07 to October 25, 2018.

7. Successfully completed the training on “Project Appraisal, EIA & Formulation of DPP” held in NAPD, Ministry of Planning from 15th July to 2nd August, 2018.
8. Certificate achieved for the Laboratory Testing for Micronutrients of Rice Premix Kernels organized WFP at NFSL, IPH, Dhaka from 22nd July to 26th July 2018.
9. Successfully completed the training on “Risk Assessment and Control Measure in Food Processing, ISO 22000” organized by FAO and BSTI at Bureau VARITAS Dhaka from 27th May to 29th May 2018.
10. Successfully completed the training on “Technology and Policy for Asian Country” held in South Korea from 26th March to 15th April 2015.
11. Successfully completed the training on “Conflict Management and Negotiation Techniques” held at BPTAC, Savar, Dhaka, from 04th November to 08th November 2012.
12. Certificate achieved for the “WIPO Intellectual Property” training course for government officials and lecturers jointly organized by Department of Patents, Designs & Trademarks, Ministry of Industries and European Commission, World Intellectual Property Organization at Dhaka from 09th to 19th August 2009.
13. Successfully completed the Basic LC Maintenance & Troubleshooting held on 04th to 5th February 2008 at Customer Education & Training Centre, Singapore.
14. Certificate achieved for the successful completion of LC System Operation and Chemostation Software Operation held at IFST, BCSIR from 04th February to 31st July, 2007.
15. Successfully completed the training on “Field Testing of Arsenic Removal Technology” under Bangladesh Environmental Technology Verification Support to Arsenic Mitigation (BETV-SAM) Project from 28th March to 3rd April, 2006
16. Successfully completed the course on “Personal Computer Troubleshooting” held in NAPD, Ministry of Planning from 14th May to 18th June, 2005.
17. Certificate achieved for beginner course of Japanese Language from 13th April 1998 to 28th September 1998 for foreign residents.
18. Successfully completing the training on “Radiation Safety Education and Training” held in Radioisotope Research Center, University of Tokushima, Japan; on 14th November 2002.



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