

BIO-DATA OF MD ABDUS SATTER MIAH



PERSONAL INFORMATION

Name: DR. MD. ABDUS SATTER MIAH
Father's Name: Md. Golam Mortuza Miah
Present Status: Director,
Biomedical and Toxicological Research Institute
(BTRI), BCSIR, Dhaka-1205, Bangladesh.
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Newmarket, Dhaka-1205, Bangladesh.
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District -Tangail, Bangladesh.
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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/SUMMARY

Twenty nine 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. One hundred and seven (107) research articles have been published in the prestigious publisher/ SCI journals like Springer, Elsevier, MDPI, Heliyon, Hundai, Toxicology Reports, Biomedicine and Pharmacotherapy, J Industrial Crops & Products, J Food Measurement and Characterization, Future Food, Food Bioscience, Applied Food Research, Biocatalysis & Agricultural Biotechnology, J Agriculture and Food Research, J. Nutr. Sci. & Vitaminol, Foods etc. In the same time, thirty five processes have been accepted by the editorial committee of BCSIR authority. Out of thirty five sixteen processes have

commercially leased out to the entrepreneurs and two of them have been adopted by **Nestlé**, the world's largest multinational Food and Beverage Company.

LIST OF PUBLICATIONS OF MD ABDUS SATTER MIAH

1. Anik Molla, Hajara Akhter, Ehasanul Islam Rafi, Ariful Islam, Evena Parvin Lipy, **Mohammed A Satter**, and Saiful Islam. Phytochemical Profiling, Molecular Docking ADMET Analysis of Zingiber Officinale Peel Extract for the Biogenic Synthesis of ZnO and Fe-Doped ZnO Nanoparticles with Antibacterial and Photocatalytic Potential. [ACS OMEGA 5c09902](#)
2. Mohammad Nazrul Islam Bhuiyan, Barun Kanti Saha and **Mohammed A Satter**. Harnessing Artificial Intelligence and Precision Diets for Brain Health and Cognitive Resilience. [The Journal of Nutrition](#)
3. Md Shamsuzzaman, Debu Kumar Bhattacharjya, Sharmin Sultana, Akhter Jahan Kakon, **Mohammed A Satter**, Tasnim Farzana, Anupoma Sen1 & Md Mahfuzur Rob. Comparative biochemical compositions and antioxidant properties of commercially grown and wild edible mushroom species from Bangladesh. [Plant Science Today Vol 12\(4\): 1-11](#)
4. M. Nahid Hasana, T. Islama, K.C. Shila, S. Sahaa, **Mohammed.A. Satter**, M. Ziaul Amina. Bioactivity profiling of dragon peel (Hylocereus spp.) extracts and molecular docking against inflammatory protein tumor necrosis factor- α (TNF- α). [Food Chem. Advances 7 \(2025\) 101027](#)
5. Banasree Bhowmik, Abhijit Chowdhury, Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Rajib Sarkar, Subarna Sandhani Dey, Shahariar Siddique, **Mohammed A Satter**. Biofilm associated growth inhibition of XDR Escherichia fergusonii strain ACE12 isolated from soil. [Microbial Pathogenesis; 201\(2025\)107400](#)
6. Banasree Bhowmik, Sadia Afrin, Afsana Habib Jui, Riyadh Hossen Bhuiyan, Md. Mamunur Rashid, Mohammed. A Satter & Mohammad Nazrul Islam Bhuiyan. Exploring the purification, characterization and industrial application of Exopolysaccharide (EPS) from Bacillus amyloliquefaciens strain. [Molecular Biology Report 2025, Vol 52\(51\)](#)
7. Shariful Islam, **Mohammed A Satter**, Md. Faridul Islam, Khurshida Jahan Tisa, Md. Habibur Rahman Bhuiyan, Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Khandoker Shahin Ahmed, Md. Hemayet Hossain. Fermentation with lactic acid bacteria enhances the bioavailability of bioactive compounds of whole wheat flour. [Applied Food Res 2024, 100610](#)
8. Sharmin Sultana, Md Shamsuzzaman, **Mohammed A Satter**, Akhter Jahan Kakon, Abdullah Hel Mafi, Anupoma Sen, Md. Nurealam Siddiqui and Debu Kumar Bhattacharjya. Assessment of proximate composition, mineral element profile and antioxidant properties of the edible oyster mushroom grown in Bangladesh. [Discover Food \(2024\) 4:126](#)
9. Taslima Arzu, **Mohammad Abdus Satter**, Dipak Kumar Paul, Md. Ariful Kabir Sujon, Syeda Absha Jabin, Kanika Mitra and Mowri Dhali. Proximate analysis of low-cost locally produced weaning foods and its safety aspects, in

- comparison to imported weaning foods. [Int J Biol & Pharm Sci Archive 2024 ijbpsa.2024.8.1.0065](#)
10. Shariful Islam, **Mohammed A Satter**, Md Faridul Islam, Mohammad Nazrul Islam Bhuiyan, Khurshida Jahan Tisa, Mustafizur zzrahman Naim. Exploring the effects of spontaneous and solid-state fermentation on the physicochemical, functional and structural properties of whole wheat flour (*Triticum aestivum* L.). [Innovative Food Sci & Emerging Tech. 97\(2024\) 103798](#)
 11. Tasnim Farzana, Md. Jaynal Abedin, Abu Tareq Mohammad Abdullah, Akter Hossain Reaz, Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, **Mohammed A Satter**. Enhancing prebiotic, antioxidant, and nutritional qualities of noodles: A collaborative strategy with foxtail millet and green banana flour. [Journal pone \(2024\) 0307909](#)
 12. Sadia Afrin, Tasnim Tamanna, Ummey Fatema Shahajadi, Banasree Bhowmik, Afsana Habib Jui, **Mohammed A Satter**, Mohammad Nazrul Islam Bhuiyan. Characterization of protease-producing bacteria from garden soil and antagonistic activity against pathogenic bacteria. [The Microbe 4 \(2024\) 100123](#)
 13. Taslima Arzu, **Mohammed A Satter**, Dipak Kumar Paul, Syeda Absha Jabin, Ariful Kabir Sujan, Kanika Mitra, Dipa Islam and Mowri Dhali,. Comparison between low-cost locally produced complementary foods with high-cost imported complementary foods available in Bangladesh by Rat Bioassay. [Int J Life Sci. Res Archive 2024 ijsra.7.1.0058](#)
 14. G. M. M. Anwarul Hasan, Anuj Kumer Das, **Mohammed A Satter**. CRISPR/Cas9-mediated gene editing of *L. bulgaricus D-lactate dehydrogenase (ldh)* gene to monitor yogurt characteristics. [Food Chemistry Advances 5 \(2024\) 100772](#)
 15. Md.Faridul Islam, Shariful Islam, **Mohammed A Satter**, Mohammad Nazrul Islam Bhuiyan, Nusrat Abedin, Md.Mahmudul Hasan Mondol, Sayeda Sultana, Khan Md.Murtaza Reza Linkon. Quality assessment and sensory evaluation of green banana starch enriched instant noodles. [Applied Food Res 2024, 100431](#)
 16. Md. Mamunur Rashid, Shariful Islam, Md. Nazim Uddin, Md. Zia Uddin Al Mamun, Md. Jaynal Abedin, Md. Habibur Rahman Bhuiyan, **Mohammed A Satter**. HPLC-DAD analysis of water-soluble vitamins (B1, B2, B3, B5, B6, C and Biotin) and fat-soluble vitamins (A, D, E, K1 and β -carotene) in commonly consumed pulses in Bangladesh. [Applied Food Res 2024, June 4\(1\), 100424](#)
 17. **Mohammed A Satter**, Sharmin Akter, Khondoker Shahin Ahmed, Sattyajit Biswas, Md Abdul Bari, Avizit Das, Mohammad Ahsanul Karim, Niloy Saha, Hemayet Hossain, Shariful Islam, Khurshida Jahan Tisa, A.M. Swaraz. Nutritional composition, bioactive compounds, and pharmacological activities of tossa jute sprout (*Corchorus olitorius* L.): A potential functional food; [Food Bioscience 60 \(2024\) 104324](#)
 18. Md. Zia Uddin Al Mamun, Md. Nurul Huda Babu, Md. Zafar As Sadiq, Md. Nuruddin Miah , Md. Sujan Hossen, Mohajira Begum, **Mohammed A Satter**,

- Rahima Akter Sathee, Md. Mamunur Rashid and Kiron Sikdar. Biochemical composition of fish wastes: Potentiality for formulation of cost-effective fish feed for sustainable aquaculture. [J Agri Food Sci & Biotech 2024, 2\(2\) 174-170.](#)
19. 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](#)
 20. 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](#)
 21. 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](#)
 22. 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](#)
 23. M. Ashaduzzaman Nur, Mubenul 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](#)
 24. **Mohammed A Satter**, Shariful Isalam, 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](#)
 25. Mohajira Begum , Md. Zia Uddin Al Mamun , Md. Moshfekus Saleh-E-In , **Mohammed A Satter**, Sarmina Yeasmin and Rahima Akter Sathee. Nutritional quality assessment of three commonly consumed dry fishes in Bangladesh. [J Agri Food Sci & Biotech 2023, 1\(1\), 01-06,](#)
 26. 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.](#)
 27. 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. [J Agri Food Sci & Biotech 2023, 1\(3\), 176-181](#),
28. 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](#)
 29. 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 Res 3 \(2023\) 100309](#)
 30. 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](#)
 31. 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](#).
 32. Mohammad Nazrul Islam Bhuiyan, Kazi Asma Ahmed Shamima, Meher Nahid, Sadia Afrin, Mohammad Amirul Hoque, Mohammad Majedul Haque, Mohammad Khabir Uddin Sarker, **Mohammed A Satter**, 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\(2023\), 14 \(3\): 1000513](#)
 33. 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](#)
 34. 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*). [J Agri and Food Res 12 \(2023\)100558](#)
 35. 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](#)
 36. 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
37. 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
 38. 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
 39. 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
 40. 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
 41. 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
 42. 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
 43. 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
 44. 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>
 45. 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.

46. 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. [Chemistry & Biodiversity 2022, 19, e202200282](#)
47. 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](#)
48. 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.](#)
49. 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.](#)
50. 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.](#)
51. 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. [Bangladesh Med Res Council Bull 2021; 47: 156-164](#)
52. 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.](#)
53. 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 \(3\).](#)

54. MAA Noman, R Ahmmed, MHT Mondal, MSI Khan, MN Islam, **Mohammed A Satter**, MF Islam. Weaning food from indigenous sources in Bangladesh. [BJSIR. 2021; 56 \(1\), 29-38.](#)
55. 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](#)
56. 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.](#)
57. 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.](#)
58. 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.](#)
59. 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](#)
60. 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.](#)
61. **Mohammed A Satter**, Abedin N., Jabin S.A., Islam M.F., Hossain N., Ahsan A., Sarker 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](#)

62. 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.](#)
63. 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](#)
64. 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](#)
65. 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](#)
66. 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](#)
67. 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](#)
68. Amin MZ, Tumu KN, Munshi M, Jolly YN, Rahman MM, **Mohammed A Satter** . Assessment of Heavy Metal Contents in Commercial Feedstuffs and Broiler (*Gallus domesticus*) Meat and Its Impact on Swiss Albino Mice as an Animal Model . [Agri Sci Diges, 39\(2\):149-155.](#)
69. 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](#)
70. M Meherunahar, RS Chowdhury, M Mozammam 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.](#)
71. 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.](#)
 72. Mst Meherunahar, M Mozammamel 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.](#)
 73. 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. Sci. 2018; 30: 386–392.](#)
 74. Majidul Islam, Rumana Yesmin, Hanif Ali, Polash Chandra Karmakar, Rawshanul Habib, **Mohammed A Satter** and Tanzima Yeasmin. Chemical Composition and Anticancer Properties of *Alpinia calcarata* Rosc. Rhizome. [J Pharmacog. Phytochem. 2017; 6 \(5\): 2491-2494.](#)
 75. 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.](#)
 76. **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.](#)
 77. **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.](#)
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Abstracts Publication in Conferences:

1. Shariful Islam, **Mohammed A Satter**, Md Faridul Islam, Mohammad Nazrul Islam Bhuiyan, Khurshida Jahan Tisa. Effects of natural and solid-state fermentation on physicochemical, functional, structural and antioxidant properties of wheat (*Triticum aestivum* L). International conference named BCSIR Congress-2023 on golden jubilee celebration of BCSIR; organized by BCSIR on 08-10 March, 2024.OP-A3
2. Md Faridul Islam, Shariful islam, **Mohammed A Satter**, A.K. Obidul Huq, Anik Kumar Saha, Md Mahmudul Hassan Mondol and Mohammad Nazrul Islam Bhuiyan. Green synthesis of zinc oxide nano particles *Allium cepa* L. waste peel extracts and its antioxidant and antibacterial activities. International conference

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 4. Mst. Meherunnahar, Md Saddam Hossain, Md Mozammel Hoque, **Mohammed A Satter**, Md Nazrul Islam, Md Faridul Islam and Shaheen Aziz. Development and evaluation of nutria-rich biscuit from mushroom based composite flour. International conference named BCSIR Congress-2023 on golden jubilee celebration of BCSIR; organized by BCSIR on 08-10 March, 2024.OP-A22
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14. 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 against antibiotic resistant microorganism. International conference on science and

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Processes Accepted: Thirty five (35) processes have accepted by the editorial committee of BCSIR authority. Out of thirty four sixteen processes have commercially leased out to the entrepreneurs for production and most of them are available in the local markets.

1. G.M.M. Anowarul Hasan, Khondokar Shahin Ahmed, Konica Mitra, and **Mohammed A Satter**, Production of Ice Cream by Stevia Powder. Ref. 39.02.0000.043.37.927.22/1124 Date 23.04.2025
2. Salma Ahmed, Paroma Arefin, Tanki Ashraf, Mohammad Nazrul Islam Bhuiyan, Shahin Ajij, **Mohammed A Satter**. Production of Low Gluten Pancake Mix. Ref. 39.02.0000.043.37.966.23/971 Date 29.09.2024
3. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Md Tazinur Rahman, Md Habibur Rahman Bhuiyan. Formulation Coconut. Flavour. Ref. 39.02.0000.043.37.941.22/399 Date 14.08.2024
4. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Salma Ahmed. Formulation of Almond Flavour. Ref. 39.02.0000.043.37.935.22/141 Date 08.05.2024
5. Konica Mitra, **Mohammed A Satter**, Mohammad Nazrul Islam Bhuiyan, Najim Uddin, Umme Hafsha Bithy. Development of Gluten Free Bar Ref. 39.02.0000.043.37.958.23/134 Date 25.01.2024

6. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Tasnim Ferzana. Formulation of Cardamon Flavour. Ref. 39.02.0000.043.37.938.22/536 Date 11.06.2023
7. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Mrs Samina Akter, Md Faridul Islam. Formulation of Milk Flavour. Ref. 39.02.0000.043.37.940.22/537 Date 11.06.2023
8. Mohammad Nazrul Islam Bhuiyan, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Kanika Mitra. Formulation of Rose Flavour. Ref. 39.02.0000.043.37.938.22/176 Date 08.10.2023
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10. 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
11. Mr. Faridul Islam, **Mohammed A Satter**, Dr Mohammad Nazrul Islam Bhuyan, 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
12. 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
13. 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
14. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Haque, **Mohammed A Satter**, Ashish Kumar Sarker, Tasnim Farjana. Production of Pineapple Flvour. Reference No: 39.02.0000.043.37.824.20/1015, Date: 29.09.2022
15. **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

16. **Mohammed A Satter**, Mr. Abdul Jalil, Mr. Faridul Islam, Nusrat Abedin, Dr. Mohammad Nazrul Islam Bhuiyan. 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
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18. 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
19. **Mohammed A Satter**, Abssha 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
20. Dr Umme Ara, **Mohammed A Satter**, Syeda Abssha Jabin. Production of Fortified Instant Semolina (Suji). Ref. 39.373.037.04.00.071.2010/274, Date 15.03.2012
21. Dr Umme Ara, **Mohammed A Satter**, Syeda Abssha Jabin. Production of Assorted Rice Porridge. Ref. 39.373.037.04.00.022.2010.3104, Date 08.06.2010
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24. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Amlaki and Senna Mixed Tea. m~^ bs : mwP/MDwe/62-547/06/2964 Zvwilt 15.12.2008 Bs|
25. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana Production of Haritoki-Methi Blended Tea. m~^ bs- mwP/MDwe/62-547/06/2965, Zvwilt 15.12.2008Bs|

26. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Pipul – Haritoki Blended Tea. m~^ bs- mwP/MDwe/62-547/06/2966, ZvwiLt 15.12.2008Bs|
27. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Beal- Kurchi Blended Tea. m~^ bs- mwP/MDwe/62-547/06/2967, ZvwiLt 15.12.2008Bs|
28. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Blended Tea from Neem, Horitoki and Ginseng. m~^ bs- mwP/MDwe/62-547/06/2968, ZvwiLt 15.12.2008Bs|
29. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana. Production of Bashak – Ginger Blended Tea. m~^ bs- mwP/MDwe/62-547/06/2969, ZvwiLt 15.12.2008Bs|
30. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzanz Konika Mitra Production of Ready to Eat Traditional Rooti Chapati.. m~^ bs t mwP/MDwe/62-570/2007/1281, ZvwiLt 13.03.2008 Bs|
31. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Konika Mitra, Badrunnesa Fyroza. Production of High Potency Nutraceutical (Food Supplement) Capsule. m~^ bs- mwP/MDwe/62-538/2006/772, ZvwiLt 12.02.2008Bs|
32. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Dr Shamima Begum. Production of Hi-Protein Natural Styl Bread Spread. m~^ bs- mwP/MDwe/62-553/2006/229, ZvwiLt 08.01.2007Bs|
33. Dr Umme Ara, **Mohammed A Satter**, Tasnim Farzana, Dr Zahirul Haque Bhuiyan Production of Vitamin, Mineral and Protein Enriched Wheat Flour. m~^ bs- mwP/MDwe/62-527/2005/1121, ZvwiLt 18.01.2006 Bs|
34. Dr Umme Arra, **Mohammed A Satter**. Production of Chirata in Capsule Form. Dr Zahirul Haque Bhuiyan, m~^ bs t mwP/MDwe/62-400/2004/132, ZvwiLt 26.08.2004 Bs|

35. Dr Zahirul Haque Bhuiyan, Dr Umme Ara, **Mohammed A Satter**, Golam Mortuza Ahmed. Production of Rice Based Oral Saline. m[~]l bs t mwP/MDwe/62-307/2003/2607, Zvwilt 10.12.2003 Bs|

Professional Training Program Achieved by Dr Md Abdus Satter Miah

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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