

PDS (PERSONAL DATA SHEET) FORMAT OF DR. ZAKARIA AHMED

1 Name	Zakaria Ahmed
2 Father's name	Ibrahim Bhuiyan
3 Mother's name	Rowshan Ara Begum
4 Husband's name (if applicable)	Not applicable
5 Gender	Male
6 Present Address	29/1 Red Quarter, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh.
7 Permanent Address	Village- Shainpukur (Boro Bari), Police Station- Dohar, Post Office- Pak Mukshedpur, District- Dhaka, Bangladesh
8 Date of birth	14-12-1970
9 Age (as on 02-11-2023)	52 years 10 months 19 days
10 Educational Qualification	Ph.D. in Applied Microbiology & Biotechnology.

Degree/Diploma/ Certificate	Board / University	Year of Passing	Division/ Class/ Grade
Secondary School Certificate (S.S.C.)	Dhaka Board, Bangladesh	1986	First Division
Higher Secondary Certificate (H.S.C.)	Dhaka Board, Bangladesh	1988	First Division
Bachelor of Science, B.Sc. (Hon.) in Microbiology	Dhaka University, Bangladesh	1993	First Class
Master of Science, M.Sc. (Thesis) in Microbiology	Dhaka University, Bangladesh	1995	First Class
Ph.D. in Applied Microbiology and Biotechnology	Ehime University, Japan	2000	Graduated

11. Field of Specialization: Applied Microbiology and Biotechnology.

12. Training:

a) In Country:

Sl. No.	Organization	Year	Duration		Name of programme
			Mos.	Days	
1	Institutional Quality Assurance Cell (IQAC), Primeasia University, Banani	2016	-	2	Teaching-Learning, Curriculum and Quality Assurance
2	Bangladesh Jute research Institute	2017	-	3	Training of trainers (TOT) for the dissemination of industrial technologies on jute
3	Bangladesh Jute research Institute	2017	-	3	Procurements of goods, works and services.
4	Bangladesh Agriculture Research Council (BARC)	2018	-	5	Project Development and Management.
5	Bangladesh Jute research Institute	2018	-	3	Technical Report Writing and Editing.
6	Bangladesh Jute research Institute	2018	-	3	Agricultural Project Management.
7	Bangladesh Jute research Institute	2018	-	3	Data Analysis by Micro-computer.
8	Bangladesh Jute research Institute	2018	-	3	Research Methodology.
9	Bangladesh Jute research Institute	2019	-	2	Quality Control on Jute Goods.
10	Bangladesh Jute research Institute	2019	-	1	Jute Industrial Product Research and Development.
11	Bangladesh Jute research Institute	2019	-	1	Jute Textile Product Research and Development.
12	Bangladesh Jute research Institute	2020	-	1	Right to Information Act.
13	Bangladesh Jute research Institute	2020	-	2	Public Procurement Procedures (Goods, Works & Services).

14	Bangladesh Jute research Institute	2021	-	1	Annual performance agreement (APA).
15	Bangladesh Jute research Institute	2021	-	1	Gemone Research: A hope in agriculture.
16	Bangladesh Jute research Institute	2021	-	1	E-filing.
17	Bangladesh Jute research Institute	2021	-	1	Complain taken and solve.
18	Bangladesh Jute research Institute	2021	-	1	Challenge on Forth Industrial Revolution
19	Bangladesh Jute research Institute	2022	-	1	E-Governess and Innovative work plan
20	Bangladesh Jute research Institute	2022	-	1	Office Management and Skill Development
21	Bangladesh Jute research Institute	2023		1	“Contemporary Learning Session (4th Industrial Revolution)”
22	Bangladesh Jute research Institute	2023		1	D-nothi
23	Bangladesh Jute research Institute	2023		1	Service delivery commitment

b) Abroad:

Sl. No.	Country	Year	Duration		Name of programme
			Mos	Days	
1	-	-	-	-	-

13. Experience:

Position	Period		Total (Yr./Mo)
	From	To	
Principal Scientific Officer, Weaving Department, Bangladesh Jute research Institute, Head Office, Dhaka, Bangladesh	January 17, 2022	Till to date	Till to date
Senior Scientific Officer, Microbiology Department, Bangladesh Jute research Institute, Head Office, Dhaka, Bangladesh	September 07, 2016	January 16, 2022	5 Years 3 Months
Associate Professor, Microbiology Department, Primeasia University, HBR Tower, 9 Banani, Dhaka-1213. Bangladesh.	January 31, 2012	September 6, 2016	3 Years 7 Months
Senior Lecturer (Contract), Universiti Teknologi Mara (UiTM), Medical Faculty, Shah Alam Campus, 40450 Shah Alam, Selangor, Malaysia.	April 23, 2010	April 27, 2011	1 Year
Assistant Professor, Microbiology Department, Primeasia University, HBR Tower, 9 Banani, Dhaka-1213. Bangladesh.	January 23, 2007	January 30, 2012	4 Years
Post-Doctoral Researcher (JSPS Fellow), National Food Research Institute, Biological Function Division, National Food Research Institute, 2-1-12 Kannondai, Tsukuba, Ibaraki 305-8642, Japan	May 10, 2003	May 02, 2005	2 Years
Scientific Officer, Microbiology & Biochemistry Devision, Bangladesh Jute research Institute, Head Office, Dhaka, Bangladesh	June 01, 1996	February 28, 2003	6 Years 8 Month
Teaching And Research Assistant (Part Time), Kagawa University, Kagawa University, Kagawa-ken, Japan	1998	2000	2 Years
Research Fellow (Part Time), BCSIR, NST Fellowship Program, Ministry of Science and Technology, Peoples Republic of Bangladesh.	July 01, 1995	October 31, 1995	3 Months

14. Publication:

Scientific Journal	No. of Publication
(a) Full scientific paper as Principal author-	51 (Fifty One)
(b) Full scientific paper as associate author-	72 (Seventy Two)
(c) Popular Article/ Monograph/ Bulletin-	23 (Twenty Three)

(d) List of Seminar Papers/ Workshop proceedings (Presented/Published)-	37 (Thirty-Seven)
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15. Research achievement

- (i) No. of technology developed: 07 (Seven)
- (ii) No. of research programme:
- (a) Developed : 21 (Twenty-One)
- (b) Supervised : 42 (Forty-Two)
- (c) Executed : 09 (Nine)

16. Outstanding achievement:

Supervision of student research		
Sl. No	Description of research conducted	Name of the student, University and Graduation date
1	Isolation and identification of microbes from Gonosatho Pharmaceutical waste materials and determination of their antibiotic resistance pattern	Md. Shahidul Islam, Primeasia University, Dhaka, Bangladesh (2011)
2	Bacteriological study of post-operative abdominal wound infection	Fatema--tuz-johora Tamanna, Primeasia University, Dhaka, Bangladesh (2011)
3	Prevalence rate of tuberculosis in Bangladesh among different age group by conventional and fluroscence microscopy	Ohiuddin Ahmed, Primeasia University, Dhaka, Bangladesh (2012)
4	Microbiological status of sweets and sweet-products in Dhaka City, Bangladesh	Mesbeh Uddin, Primeasia University, Dhaka, Bangladesh (2012)
5	Study on Methicillin Resistance Staphylococcus aureus (MRSA) in Pus and Wound Swab In BIRDEM General Hospital	Ummey Nahor, Primeasia University, Dhaka, Bangladesh (2013)
6	Detection and identification of tubercle bacilli by different methods from sputum and blood samples of hospitalized patients in Bangladesh	Md. Alamgir Hossain, Primeasia University, Dhaka, Bangladesh (2013)
7	Isolation, Identification And Antimicrobial Sensitivity Pattern Of Bacterial Isolates From Tracheal Aspirate Of ICU Patients of Central Dhaka, Bangladesh	Lamiya Haque, Primeasia University, Dhaka, Bangladesh (2013)
8	Study of the Incidence of pathogens and their drug susceptibility pattern among UTI patients in Bangladesh	Md. Kamal Hossain, Primeasia University, Dhaka, Bangladesh (2013)
9	Detection and Identification of Tubercle Bacilli as well as with MDR by Gene X-pert methods from Sputum samples	Manas Kumar Nath, Primeasia University, Dhaka, Bangladesh (2013)
10	Comparative Analysis Of Mycobacterium Tuberculosis Detection By Different Methods	Jafurullah, Primeasia University, Dhaka, Bangladesh (2013)
11	Microbiological analysis and Antimicrobial Sensitivity pattern of Pus and Wound Samples	Lovely Akter, Primeasia University, Dhaka, Bangladesh (2014)
12	Microbiological Study Of Different Vegetables	Jahanara Akhter, Primeasia University, Dhaka, Bangladesh (2014)
13	Isolation, Identification And Antimicrobial Sensitivity Pattern Of Bacterial Isolates From Tracheal Aspirate Of ICU Patients Of Central Dhaka, Bangladesh	Sk. Tahir Ahmed, Primeasia University, Dhaka, Bangladesh (2015)
14	Distribution pattern of pathogenic <i>E. coli</i> in different medical samples and then antibiotic sensitivity pattern	Asik Mostofa, Primeasia University, Dhaka, Bangladesh (2015)
15	Study Of Antimicrobial Properties Of Some Organic Tea	Mohammed Rejaul Karim, Primeasia

		University, Dhaka, Bangladesh (2015)
16	Effect Of Black And Tulsi Tea On Different Microorganisms	Md. Abdullah Al Joad, Primeasia University, Dhaka, Bangladesh (2015)
17	Microbiological Status Of Street Foods In Dhaka City, Bangladesh	Mithun Chandra Biswas, Primeasia University, Dhaka, Bangladesh (2015)
18	Pattern Of Different Bacterial Wound Infection And Their Antimicrobial Resistance	Md. Joynal Abedin Khan, Primeasia University, Dhaka, Bangladesh (2015)
19	Study of etiological agents of urinary tract infections and their antibiotics sensitivity patterns in Bangladesh	Nusrat Jahan, Primeasia University, Dhaka, Bangladesh (2015)
20	Prevalence of Microorganisms on the quality of some pharmaceutical raw materials	Md. Golam moktadir Khan, Primeasia University, Dhaka, Bangladesh (2015)
21	Urinary Tract Infection in Tertiary care Hospital of Dhaka city	Shepherd Sawon Sarker, Primeasia University, Dhaka, Bangladesh (2015)
22	Microbiological analysis of cosmetics and ayurvedic products OF EMAMI and its antimicrobial assay	Md. Anowar Hossen, Primeasia University, Dhaka, Bangladesh (2015)
23	Study of resistant pattern and comparative analysis of different generation of antibiotics against various pathogens	Ishrat Jahan Khan, Primeasia University, Dhaka, Bangladesh (2015)
24	Antimicrobial Textiles: How Effective In Our Daily Usage	Final year group of students of Textile Engineering, Primeasia University, Dhaka, Bangladesh (2007)
25	Microbiological And Chemical Analysis Of Waste Water From Different Knit Dyeing Industries Around Dhaka City	Final year group of students of Textile Engineering, Primeasia University, Dhaka, Bangladesh (2008)
26	A Comparative Analysis Of The Drug Resistance In Staphylococcus Aureus Isolated From Various Sources In Dhaka, Bangladesh	Tashfina Mirza, Primeasia University, Dhaka, Bangladesh (2008)
27	Microbiological Quality Assessment Of Vegetable Containing Fast Foods, Salad And Sauce	Asma Biswas, Primeasia University, Dhaka, Bangladesh (2008)
28	Enzymatic Treatment On Jute-Cotton Blend (25/7) Fabric	Final year group of students of Textile Engineering, Primeasia University, Dhaka, Bangladesh (2009)
29	Study Of Antimicrobial Properties Of Some Natural Products	Ummei Nahor, Primeasia University, Dhaka, Bangladesh (2011)
30	Microbiological Study And The Prevalence Of Microbial Association In Different Soil Environment	Lamiya Haque, Primeasia University, Dhaka, Bangladesh (2012)
31	Prevalence, Antibiotic Sensitivity Pattern And Serological Identification Of <i>Salmonella typhi</i> And <i>S. paratyphi</i> Of Different Samples Isolated From Hospitalized Infected Patients	Lovely Akter, Primeasia University, Dhaka, Bangladesh (2012)
32	Microbiological Status Of Chicken Meat Collected From Different Retailshop In Bangladesh	Tahir Ahmed, Primeasia University, Dhaka, Bangladesh (2012)
33	The Recent Study On Secondary Infection Of Pulmonary Tuberculosis Patients In Bangladesh	Joynal Abedin, Primeasia University, Dhaka, Bangladesh (2013)
34	Effect Of Temperature, pH And Media On Microbial Growth And Comparative Analysis Of Growth Pattern Of Different Bacteria	Md. Abdullah Al-Joad, Primeasia University, Dhaka, Bangladesh (2013)
35	Study Of Antimicrobial Activity Of Ayurvedic And Unani Medicine And Their Comparative Analysis With Commercial Antibiotic	Sajib Chakraborty, Primeasia University, Dhaka, Bangladesh (2013)
36	Isolation And Characterization of <i>E. coli</i> 0157:H7 From	Tazrin Kamal, Primeasia University,

	Rectal Swab Of Apparently Healthy Cattle	Dhaka, Bangladesh (2013)
37	Study Of Multidrug Resistant Pattern Of Isolated Bacteria From Different Source Of Waste Water	Md. Nahidul Islam, Primeasia University, Dhaka, Bangladesh (2013)
38	Isolation And Identification Of Bacteria From Burned Wound Sample And Multi Drug Resistant Against Isolated Bacteria	Md. Aowrongo Zeb, Primeasia University, Dhaka, Bangladesh (2013)
39	Antimicrobial Textiles: How Effective In Our Daily Usage	Final year group of students of Textile Engineering, Primeasia University, Dhaka, Bangladesh (2013)
40	Microbiological And Chemical Analysis Of Waste Water From Different Knit Dyeing Industries Around Dhaka City	Final year group of students of Textile Engineering, Primeasia University, Dhaka, Bangladesh (2013)
41	A Comparative Analysis Of The Drug Resistance In <i>Staphylococcus aureus</i> Isolated From Various Sources In Dhaka, Bangladesh	Tashfina Mirza, Primeasia University, Dhaka, Bangladesh (2013)
42	Microbiological Quality Assessment Of Vegetable Containing Fast Foods, Salad And Sauce	Asma Biswas, Primeasia University, Dhaka, Bangladesh (2014)

Teaching Experience

Level (Graduate / Post Graduate)	Subject
Graduate level (B.Sc.)	Microbiology (Primeasia University, Bangladesh)
Post graduate level (M.Sc.)	Microbiology (Primeasia University, Bangladesh)
Post graduate level (MBBS)	Medical microbiology (Universiti Teknologi Mara, Malaysia)

Research Experiences

Position	Detailed Research Experience & Duration
Principal Scientific Officer	Worked with scientists; prepared scientific reports and manuscripts and published papers in reputed scientific journals. Participated in interdisciplinary research and development projects. January 17, 2022 to present
Senior Scientific Officer	Participated in interdisciplinary research and development projects; Worked with scientists; prepared scientific reports and manuscripts and published papers in reputed scientific journals. Gained experience: Enzyme Production ; Softening For Barky Root End; Softening Of Fiber For Better Spinning; Biochemical Analysis of Jute Plants; Value Added Product. September 2016 to January 16, 2022.
Post-Doctoral Researcher	Extensive research was carried out under the project title "Preparation of Chimeric enzymes by DNA Shuffling" on identification and activity of enzyme isolated from <i>Xanthomonas</i> sp.; gained experience on: Isolation And Purification of DNA; Amplification of Gene By Polymerase Chain Reaction (PCR); Obtaining Several Enzymes To Produce Special Carbohydrates, Such As Phosphorolytic Enzymes; Amplified A Gene Of A Member Of Glycoside Hydrolases Family 94; Optimization of the Annealing Temperature For DNA Amplification In Vitro; Gel Electrophoresis; Topo Cloning Reaction And Sequencing of The Desired DNA; etc. June 2003- June 2005
Doctoral Student	Gained experience in many microbiological and enzymatic techniques including: Isolation And Identification of Microbes; Isolation, Purification, Immobilization And Characterization of The Enzyme; Optimization of Transformation Reactions; Separation of The Product Using Various Column Chromatography; Identification of The Product By Analyses The High Performance Liquid Chromatography (HPLC), Infra-Red (IR) Spectra, Nuclear Magnetic Resonance (NMR) Spectra Melting Point And Optical Rotation Measurements. October 1997- September 2000
Masters Student	Gained experience in the field of Radiation Biology and various aspects of radiation sterilization techniques such as: Radiation Dose Determination, D ₁₀ Value; HPLC Analysis; UV Spectrophotometric Analysis; Potency Determination of Various Pharmaceutical Products, etc. June 1993-July 1995
Research Fellow	under the title "Microbial production of Enzymes (cellulase or hemicellulase by fermentation process utilizing the agriculture wastes", gained experience in the field of: Fermentation Process, Cultivation and Identification of Microbial Samples Having cellulase and hemicellulase Activity; HPLC Analysis; Isolation and Purification of Enzyme, etc. July 1995- October 1995
Scientific Officer	Participated in interdisciplinary research and development projects; Worked with soil scientists and biochemists; prepared scientific reports and manuscripts and published papers in reputed

scientific journals. Gained experience : Development of Mixed Microbial Inoculum For The Acceleration of Retting Speed And Production of Good Quality Jute And Allied Fibre; Non-Aqueous Retting of Dry Ribbons of Jute With Promising Fungus; Comparative Studies of Retting And Fibre Properties Of Different Pipeline And Pre-Released Varieties Of Jute (C. Capsularies And C. Olitorius); Studies Of The Enzyme Activities Of Promising Retting (Bacteria And Fungus) With Special Reference To Cellulase And Pectinase And Their Impact On Dry Ribbon Retting; Effect of Retting on Environment And Its Control; Isolation of Microbes From Different Natural Sources And Studies of Their Retting Properties; Studies of The Factor Affecting Jute Retting And Fibre Quality; Effect of Using Different Weighing / Covering Materials In the Ret During Jute Retting on The Fibre Quality; Extraction of Enzymes From The Isolated Promising Microbes Capable Of Jute Retting And Determining Their Enzymatic Activities; Selection Of Appropriate Media for Some Promising Microbes So Far Isolated In order To Improve Growth And Retting Properties. June 1996 to February 2003

Areas of Research

1. Environmental and natural product microbiology with particular reference to:
 - Search for bio-pesticides for the control of crop and animal pests as a strategy of improving food security
 - Search for antimicrobial agents from medicinal plants
 - Synthesis of bioactive Natural Products
2. Bacterial enzyme and its application
3. Medical microbiology
4. Jute and its related research

Co-principal investigator in research proposal in BJRI

Sl. No.	Title of the research proposal	Remark
1	Application of Enzyme Technology for improvement of jute fibre and jute based products	Funded by Government of the Peoples Republic of Bangladesh under the Agriculture Ministry; Research Area was Post Harvest Technology (Biotechnology Area) and the duration of the project was 2 years (From July 2017 to June 2019).

Award / distinction

Sl. No	Description	Period
1	Junior High School Governmental Scholarship for academic feat in class eight.	1983 to 1986
2	Departmental Scholarship for the academic feat in undergraduate level	1989 to 1993
3	Governmental General Scholarship in graduate level for scholastic result in undergraduate level, Government of the Peoples Republic of Bangladesh.	1993 to 1995
4	Japanese Governmental Scholarship (MONBUSHO) in doctoralcourse, Government of Japan.	1997 to 2000
5	Japanese Society for the Promotion of Science (JSPS) Fellowship in Post-doctoral level, Government of Japan.	2003 to 2005
6	MowlanaAbdul Hamid Khan Bhashani Award 2017; Sponsered by Bangladesh Unnoyon Shongsod, Dhaka 1000.	September 19, 2017

Membership of professional associations

- 1 Member, American Society for Microbiology USA.
- 2 Member, International Society for Rare Sugar (ISRS) Japan
- 3 Member, Canadian Society of Microbiologist (CSM) Canada
- 4 Member, Canadian College of Microbiologist (CCM) Canada
- 5 Member, Bangladesh Society of Microbiology Bangladesh
- 6 General Member, Asiatic Society of Bangladesh ((ASB) Bangladesh
- 7 Associate Member, Bangladesh Botanical Society (BBS) Bangladesh
- 8 Graduate Member, Bangladesh Computer Society (BCS) Bangladesh
- 9 Registered Graduate, Dhaka University (DU) Bangladesh
- 10 Life Member, Dhaka University Alumni Association (DUAA) Bangladesh

- 11 Member, Bangladesh Association for Plant Tissue Culture and Biotechnology (BAPTC&B) Bangladesh
- 12 Member, Bangladesh Association of Scientists and Scientific Professions (BASSP) Bangladesh
- 13 Member, Bangladesh Association for the Advancement of Science (BAAS) Bangladesh
- 14 Life Member, Bangladesh JSPS Alumni Association (BJSPSAA) Bangladesh
- 15 Life Member, Japanese University Alumni Association (JUAAB) Bangladesh
- 16 Life Member, Bangladesh Society of Microbiology (BSM) Bangladesh

Members as editorial board member / reviewer in international scientific journals

Editorial Board Member

1. American Scientific Research Journal for Engineering, Technology, and Sciences, Global Society of Scientific Research and Researchers, Amman - Jordan
2. International Journal of Science: Basic and Applied Research
3. American Academic Scientific Research Journal for Engineering, Technology, and Sciences
4. International Journal of Food Science and Biotechnology, SciencePG group, USA.
5. Research Journal of Agriculture and Biological Sciences, Pakistan.
6. Journal of Biomedical Engineering and Technology
7. American Journal of Advances in Medical Science
8. Infectious Diseases Research, TMR publishing group, New Zealand.
9. Environmental Science Archives
10. European Modern Studies Journal
11. Journal of Microbes and Research, Medires Publishing LLC, USA.
12. International Journal of Agriculture and Veterinary Sciences, USA.

Reviewer

1. International Journal of Science: Basic and Applied Research
2. American Academic Scientific Research Journal for Engineering, Technology, and Sciences
3. American Scientific Research Journal for Engineering, Technology, and Sciences
4. Global Society of Scientific Research and Researchers
5. Journal of Agricultural Science and Technology B, David Publishing Company, USA.
6. International Journal of Research and Scientific Innovation.
7. Journal of Complementary and Alternative Medical Research.
8. Medical Science Monitor.
9. Science and Education Publishing, USA.
10. Asian Journal of Research and Report in Gastroenterology.
11. European Journal of Medicinal Plant.
12. International Greener Journals.
13. Journal of Applied Life Sciences International.
14. The MedCrave online Journal
15. International Academy of Science, Engineering and Technology
16. Journal of Pharmaceutical Research.
17. Academia Letter, UK.
18. International Journal of Research and Scientific Innovation
19. International Journal of Latest Technology in Engineering, Management & Applied Science
20. Asian Journal of Advances in Medical Science, MB International Media and Publishing House.
21. International Journal of Pharmaceutica Analytica Acta.
22. Asian Journal of Biochemistry, Genetics and Molecular Biology.
23. International Research Journal of Gastroenterology and Hepatology
24. Asian Journal of Research and Review in Agriculture.
25. Journal of Pharmaceutical Research International.
26. International Journal of Research and Analytical Reviews
27. Journal of Emerging Technologies and Innovative Research
28. Uttar Pradesh Journal of Zoology, India
29. ACTA Scientific Microbiology
30. Plant Nano biology (Elsevier), UK

31. Heliyon (Elsevier) , UK
32. Journal of Bangladesh Asiatic Society (Science), Bangladesh
33. Textile & Leather Review, Republic of Croatia
34. International Journal of Medical and Pharmaceutical Case Reports, India
35. Eman Research Publishing, Australia.
36. Biodiversitas Journal of Biological Diversity, Indonesia
37. Dignified Researchers in Agricultural, Biological & Life Sciences, India
38. Environmental Health Insights, USA

Science Ambassador

Bentham Science Ambassador (2020-2021).

Managing Editor (Bangladesh Region)

Environmental Science Archives (2023).

Researcher Identity

- **Web of Science**:- AAQ-9971-2021
- **ORCID**- 0000-0001-9274-6018
- **Researcher ID**: P-4920-2015
- **SciProfiles**: <https://sciprofiles.com/profile/zakaria> (SciProfiles: 1744132)
- **Researchgate**: <https://www.researchgate.net/profile/Zakaria-Ahmed-4>
- **Google Scholar**: <https://scholar.google.com/citations?user=9K1UIJcAAAAJ&hl=en>
- **Kudos**: <https://www.growkudos.com/projects/zakaria-ahmed-researcher-in-microbiological-field>
- **LinkedIn**: www.linkedin.com/in/zakaria-ahmed-0668b531
- **Loop in**: <https://loop.frontiersin.org/people/2028585/overview> (Loop profile: 2028585)
- **Datalead**: <https://data-lead.com/person/name/Zakaria+Ahmed/id/107478288/v/3b4e3>
- **Scopus Profile**: 55567449500 (<https://www.scopus.com/authid/detail.uri?authorId=55567449500>)
- **Semantic Scholar**: <https://sciprofiles.com/profile/zakaria>
- **MyScienceWork**: <https://www.mysciencework.com/profile/manage/orcid/parameters/new>
- **ISRDO**: <https://isrdo.org/journal/SRJEEP/boardmember/zakaria-ahmed>
- **Semantic Scholar**: <https://sciprofiles.com/profile/zakaria>
- **Scholar9 Profile ID**: S9-092023-1200281.

Adjudicator / volunteer

- Oral presentation of the 35 The Annual Conference of Bangladesh Society of Microbiologists (BSM), December 11, 2021.
- Volunteer in Toronto Western Hospital, University Health Network, Department of Volunteer Resources, McLaughlin Pavilion 2-4'74, 399 Bathurst Street, Toronto, Ontario MST 2S8, Canada.

Research paper reviewed

1. "Bacteriological quality assessment of nigerian nonalcoholic beverage (kunun-zaki) sold in keffi metropolis, Nigeria" in International Greener Journals; May 19, 2014.
2. "The diversity and utilization of wild medicinal plant species found in the miombo woodlands of uvinza, tanzania", Academia letter; October 28, 2021
3. "The proliferation of antimicrobial resistance due to covid-19 sterilization practices" by Jeremy Steenin Academia Letters; November 4, 2021.
4. "Microsatellite marker based assessment of genetic integrity of commercial rice seed lots in relations to the early generation seeds in nigerian seeds industry" for International Journal of Research and Scientific Innovation; October 3, 2021.
5. "Study on acalculous cholecystitis in critically ill patients" in Journal of Pharmaceutical Research International, October 23, 2021.
6. "Virulence analysis of bacteria isolated from wastewater irrigated lands" by CH Goraya in Academia Letters; November 25, 2021.
7. "Measuring the effects of covid-19 on women's daily lives and well-being: a national survey's preliminary results" by Terrell L. Strayhorn; in Academia Letters; November 25, 2021.
8. "An assessment on the physiochemical and microbiological parameters in selected sachet water sold for consumption in old road gaye town community montserrado, county January 2019 – April 2019" in International Journal of Research and Scientific Innovation; December 9, 2021.
9. "Extraction of chitin from american cockroach (periplaneta americana (linnaeus) using HPLC" by Padmavathi

Sriram; Academia Letters, December 12, 2021.

10. "Effect of antibiotics extracted from fungi" by Girma Waktola, Academia letter; December 4, 2021.

11. "Microbial quality of raw meat from different butcherries in mekelle city, tigray, ethiopia" by Zekeriye Fure, Academia letter; December 24, 2021.

12. "Food products quality and nutrition in relation to public - balancing health and disease" by Loai Aljerf; Academia letter; December 12, 2021.

13. "An assessment on the physiochemical and microbiological parameters in selected sachet water sold for consumption in old road gaye town community montserrado, county January 2019–April 2019" in International Journal of Research and Scientific Innovation; December 9, 2021.

14. "Virulence analysis of bacteria isolated from wastewater irrigated lands" by CH Goraya, Academia letter; Nov 25, 2021.

15. "Shelf Life of Homeopathic Medicine," by Papiya Nandy; Academia letter; December 29, 2021.

16. "Antibacterial Activities of Azadirachta indica and Syzigium guinense on Bacteria Associated with Urinary Schistosomiasis," for International Journal of Research and Scientific Innovation (IJRSI) ISSN: 2321-2705; January 1, 2022.

17. "Antibacterial Resistance and Medicinal Plants," by Rida Tanveer. Academia letter; January 5, 2022.

18. "Antimicrobial Activity of N-(4-Chlorobenzilidene)-1-phenylethanolamine and N-(4-Chlorobenzilidene) benzoic acid hydrazide" by Dr. Barakat Shabsoug. Academia letter; January 8, 2022.

19. "Determination of the antibacterial activity of various parts of habanero pepper (leaves, fruit, root and stalks) against Escherichia Coli, Staphylococcus Aureus, Salmonella Enterica Isolated From Food Samples," by Oboh J. Emmanuel. Academia letter; January 11, 2022.

20. "Gene edition capacity of estrogen signal is capable of curing cancer and further human diseases," by Zsuzsanna Suba. Academia letter; January 21, 2022.

21. "Combination of phytotherapy by using herbal medicine from Paederia thouarsiana leaf crude extract and conventional therapy for the care of painful oral conditions in a clinical dentistry practice" International Research Journal of Medicine and Biomedical Sciences; January 19, 2022.

22. "Antibacterial and Antifungal Activities of a Medicinal Soap Made from Ginger (Zingiber Officinale) and Clove (Syzygium Aromaticum) Essential Oils" Journal of Applied Life Sciences International January 28, 2022.

23. "Immunity to intestinal tapeworms: Does antibody protect the parasite?"; Academia letter; January 12, 2022.

24. "Significant role of nanotechnology in cancer and molecular genetics". Academia letter February 6, 2022.

25. "Formulation and antimicrobial analysis of polyherbal wash in Ambikapur Surgujia Chhattisgarh", Applied Ecology and Environmental Sciences; February 15, 2022.

26. "Plants and plant components with Cytoprotective property in West Africa sub region – Systematic Review", February 15, 2022.

27. "Effective Halophile Identification in Tannery Raceways," Academia letter February 18, 2022.

28. "Accelerating the screening and development of drugs for the treatment of breast cancer", The MedCrave online Journal, February 23, 2022.

29. "Analysis of the methods of obtaining bioethanol", Academia letter February 24, 2022.

30. "Benefits for human health: soybean and okara; amaranth, chia and quinoa seeds in the diet. An article.," Academia letter April 5, 2022.

31. "A Mini Review On Enzyme Based Biosensors and Their Biomedical Applications," Academia letter April 6, 2022.

32. "Kitchen garden: a curb to menace malnutrition and potential access to safe food," Academia letter April 14, 2022.

33. "Evaluation of Phytochemical contents and antioxidant activity of Mentha spicata (spearmint) Grown in Kano, Nigeria"; Asian Journal of Biochemistry, Genetics and Molecular Biology; April 15, 2022.

34. "Evaluating the Antimicrobial Activity of Guava and Locust Bean Stem Extracts," Academia letter April 29, 2022.

35. "Ayurveda crops as superfoods for export, conservation & farmers' benefit," Academia letter May 05, 2022.

36. "Antimicrobial resistance: Its medical and legal vantage point," Academia letter May 23, 2022.
37. "Comparative study of bio-efficacy of 4 medicinal plants against *Callosobruchus maculatus* on *Cajanus cajan*"; Applied Ecology and Environmental Sciences, May 24, 2022.
38. "A Mineral Fibre: Basalt" Academia letter May 28, 2022.
39. "Obtaining the interspecific hybrid in *Nicotiana* with resistance to *Peronospora hyosciamy* sp. *tabacina* (blue mold) from the seedbed.," Academia letter May 29, 2022.
40. "Benefits for human health: soybean and okara; amaranth, chia and quinoa seeds in the diet" Academia letter, June 9, 2022.
41. "An Assessment of COVID-19 Related Stigma and It's Association with Informal Health Care Utilisation Among Corona Virus Survivors", Asian Journal of Medicine and Health, July 31, 2022.
42. "Phytochemical Analysis and In-vitro Anti-Microbial Activity of Methanolic Leave, Root and Stem Extracts of *Bryophyllum pinnatum*, *Cochlospermum tintorium* and *Erythrina senegalensis*"; Journal of Complementary and Alternative Medical Research. November 06, 2022.
43. "Ficus thonningii leaf extract and its ameliorative effect on hepatic enzymes of acetaminophen-induced liver necrosis in wistar", Asian Journal of Research and Reports in Hepatology, September 22, 2022.
44. "Comparative antibacterial activity of honey and gentamicin against clinical isolates *Klebsiella* species", Journal of Advances in Biology & Biotechnology. September 22, 2022.
45. "Antimicrobial Resistance Patterns and Categorization of *Staphylococcus aureus* in Suda", American Journal of Infectious Diseases and Microbiology. September 06, 2022.
46. "Ethnobotanical survey and agromorphological characterization of ginger (*zingiber officinale* rosc., zingiberaceae) cultivars in south benin", Annual Research & Review in Biology. September 05, 2022.
47. "Rare Presentation of Disseminated Tuberculosis in the Present Era of Modern Tuberculosis Management", International Journal of Medical and Pharmaceutical Case Reports, November 22, 2022.
48. "A study on the effect of methanolic extracts of maranta arundinacea leaves against urinary tract infection causing pathogens", Uttar Pradesh Journal of Zoology, November 22, 2022.
49. "Revealing Bioactive Medicinal Compounds in Moringa and Neem Floral Honey from *Apis cerana indica* and ATR-FTIR Spectroscopy", Uttar Pradesh Journal of Zoology, December 08, 2022.
50. "Susceptibility of emetic and enterotoxigenic *Bacillus cereus* grown at high temperature to disinfectants"; Heliyon, an open access journal that is part of the Cell Press family. December 15, 2022.
51. "Degradation of Imidacloprid from Polluted Soil by Rhizosphere Microflora, *Bacillus safensis* isolated from Sunflower (*Helianthus annuus*)"; Applied Ecology and Environmental Sciences, January 05, 2023.
52. "Hypertension as a Risk for COVID-19 Severity and Mortality, Integrative Review"; Uttar Pradesh Journal of Zoology, January 10, 2023.
53. "Andrographis paniculata Extracts Reverse LPS Induced Inflammation Via Suppression of Serum Amyloid A and NLRP3 Mediated Inflammation"; Acta Scientific Microbiology Journal, January 10, 2023.
54. "Pectinolytic Enzyme Production Potential by Pathogenic Fungi Isolated from Tomato fruits" International Journal of Research and Scientific Innovation ISSN: 2321-2705, January 16, 2023.
55. Differential domains and endoproteolytic processing in dominant surface proteins of unknown function from *Mycoplasma hyopneumoniae* and *Mycoplasma flocculare*, Heliyon (Cell Press family), February 16, 2023
- 56.

Mentor

Duration	Description
April 23, 2010 to April 27, 2011	Taken the theoretical classes on Medical Microbiology of 1 st , 2 nd , 3 rd and 4 th year students of the Medical faculty of Universiti Teknologi Mara, Malaysia.
January 23, 2007 to September 06, 2016	Taken the theoretical and practical classes on Microbiology of 1 st , 2 nd , 3 rd and 4 th year students as well as MS students of the Department of Microbiology of Primeasia University, Bangladesh.

Recognition

1	IBC Insignlia of Recognition (Ref: INS/INV; 4 th January 2002); International Biographical Centre (IBC) Cambridge CB2 SQP England.
2	International Scientist Of The Year 2002 (Ref: TSCA/INV; 12 th April 2002), International Biographical Centre (IBC) Cambridge CB2 SQP England.

3	Man of Achievement Award 2002 (Ref: M/ACH; 1 st February 2002), International Biographical Centre (IBC) Cambridge CB2 SQP England.
4	IBC's 21st Century Award for Achievement (Ref: 21 st /INV; 7 th September 2001). International Biographical Centre (IBC) Cambridge CB2 SQP England.
5	Selected for biography inclusion in the new 18th Edition of Who's Who in the World , 121 Chanlon Road New Providence, NJ 0797-1 USA.
6	Selected for biographical profile for inclusion in the 6th Edition of Who's Who in Science and Engineering , the first edition of the 21 st century. 121 Chanlon Road New Providence, NJ 0797-1 USA.
7	Selected for biographical profile for inclusion in 20th Edition of Who's Who in the World , published in December 2002. 21st century. 121 Chanlon Road ' New Providence, NJ 0797-1 USA.
8	Selected for biographical profile for inclusion in the 19th Edition of Who's Who in the World , 121 Chanlon Road ' New Providence, NJ 0797-1 USA.
9	Selected for biographical profile for inclusion in the 21st Edition of Who's Who in the World , 121 Chanlon Road ' New Providence, NJ 0797-1 USA.
10	Selected for biographical profile for inclusion in the 4 th Edition of Who's Who in Medicine and Healthcare, 121 Chanlon Road New Providence, NJ 0797-1 USA.

National Duty (election duty)

Description	Date & time
Presiding Officer , Vote centre of 309 Mirpur Laboratory High School, Golartech Branch, 105/1/B Golartech, Darus Salam, Mirpur, Dhaka (Gents); Local Government (City Corporation) Election 2020	30/01/2020, 8:00 am- 4:00 pm
Presiding Officer , Vote centre of 623 Government Kalachand High School and College, Gulshan, Dhaka (1 st floor), New Building (Ladies); Local Government (City Corporation) Election 2019	28/02/2019, 8:00 am- 4:00 pm

Committee and Official Administrative duties

Position	Description
Technical Committee Member	International Conference on Medical Engineering, Health Informatics and Technology (MediTec 2016) organized first time by School of Science and Engineering of United International University, held in Dhaka, Bangladesh. Theme of the Conference- " <i>Smart Systems for Healthcare</i> ". Website: http://meditec.uiu.ac.bd/program-schedule/
Convener	2-member Bill Certified Committee, Tk. 2,98,227/= Chemicals supplied by Kuri & Company (Pvt.) Ltd. 78, Motijheel Commercial Area, Dhaka 1000 to Microbiology and Biochemistry department, Bangladesh Jute Research Institute (Issue No. 12.23.2680.006.07.073.18/2650(1-9))
Member	3-member Bill Certified Committee, Tk. 49,24,000.015/= Equipments supplied by Overseas Marketing Corporation (Pvt.) Ltd. Unique Trade Center, 15 th Level, 8 Panthapath, Dhaka 1215 to the Project entitled "Application of Enzyme Technology for improvement of jute fibre and jute based products" of Microbiology and Biochemistry department, Bangladesh Jute Research Institute (Issue No.12.23.2680.006.07.075.18/4944(2))
Member	3-member committee for estimated cost evaluation, Equipment's specification and departmental estimated cost re-evaluation for fiscal year 2018-19 for Research proposal of the Project entitled "Application of Enzyme Technology for improvement of jute fibre and jute based products" of Microbiology and Biochemistry department, Bangladesh Jute Research Institute (Issue No.12.23.2680.006.07.075.18/3493(2))
Convener	2-member committee for estimated cost evaluation, Equipment's specification and departmental estimated cost evaluation for the Project entitled "Application of Enzyme Technology for improvement of jute fibre and jute based products" of Microbiology and Biochemistry department, Bangladesh Jute Research Institute (Issue No.12.23.2680.006.07.085.19/3023(1))
Member	2-member committee for estimated Cost Evaluation, Equipment's specification and departmental estimated cost evaluation for fiscal year 2018-19 for Research proposal of the Project entitled "Application of Enzyme Technology for improvement of jute fibre and jute based products" of Microbiology and Biochemistry department, Bangladesh Jute Research Institute (Issue No.12.23.2680.006.07.075.18/1878(2))
Member	3-member's committee for disciplinary action investigating committee for Mr. Mahbulhaque, SO (in-charge), industrial chemistry department, Bangladesh Jute Research Institute (Issue No.12.23.2680.004.31.051.12.1924(2), dated 02-12-2018; 12.23.2680.004.31.051.12.2217(4)).
Member-	5-member's committee for the progress of Sustainable Development Goal (SDG Target 23); Ref.

secretary	No.: 12.23.0000.015.14.283.30682 (5).
Convener	2-member's committee for certification of the purchased chemicals of Microbiology Department; Ref. No.: 12.23.2680.006.07.073.18/4702 (1)
Member	3-member's committee for certification of the procured equipments for project "Application of enzyme technology for improvement of jute fiber and jute based product (ID-0321014)"; Ref. No.: 12.23.2680.006.07.075.18/4944 (2)
Member	3-member's committee for certification of estimated cost price of purchasing equipment's with specification for project "Application of enzyme technology for improvement of jute fibre and jute based product (ID-0321014); Ref. No.: 12.23.2680.006.07.075.18/3493(2)
Convener	2-member's committee for certification of estimated cost for purchasing laboratory equipment for the project "Application of enzyme technology for improvement of jute fibre and jute based product (ID-0321014)"; Ref. No.: 12.23.2680.006.085/19/3023 (1).
Member	3-member's committee for submission of the administrative confidential report against Mr. Md. Mahbulul Haque, scientific officer (In-charge), industrial chemistry department; Ref. No.: 12.23.2680.004.31.051.12.1924 (2).
Member	2-member's committee for certification of estimated cost price of purchasing equipment's with specification for project "Application of enzyme technology for improvement of jute fibre and jute based product (ID-0321014); Ref. No.: 12.23.2680.006.07.075.1878 (2).
Member	3-member's committee for assessing the suitable allotter officer member and rent for newly built flat in BJRI Monipuripara residential area; Ref. No.: 12.23.0000.004.05.027.19.3037 (2).
Member	9-member committee for Review article, article collection and publication in different print media of BJRI; Ref. No.: 12.23.0000.004.05.027.19.2291 (8).
Convener	5-member's committee for overall management of 40 th Annual Technological Research Workshop 2023.

Other Professional Duty

Assistant Proctor (invigilators) duty for <i>Japanese-Language Proficiency Test (JLPT)</i> examination, Organized by Embassy of Japan, Bangladesh; Venue: Bangabandhu Sheikh Mujib Academy, Taltola, Agargaon , Dhaka, Bangladesh	December, 2022
Assistant Proctor (invigilators) duty for <i>Japanese-Language Proficiency Test (JLPT)</i> examination, Organized by Embassy of Japan, Bangladesh; Venue: Bangabandhu Sheikh Mujib Academy, Taltola, Agargaon , Dhaka, Bangladesh	July 3, 2022
Assistant Proctor (invigilators) duty for <i>Japanese-Language Proficiency Test (JLPT)</i> examination, Organized by Embassy of Japan, Bangladesh; Venue: Bangabandhu Sheikh Mujib Academy, Taltola, Agargaon , Dhaka, Bangladesh	July 2, 2023
Volunteer in Toronto Western Hospital , University Health Network, Department of Volunteer Resources, McLaughlin Pavilion 2-4'74, 399 Bathurst Street, Toronto, Ontario MST 2S8, Canada	2006

Book / Chapter Publication

Sl. No.	Description
1	Book: We the Microbiologist, Bangladesh; Chapter: Abstract, Page: 5-6. Publication Year: 2013.
2	Book: We the Microbiologist, Bangladesh; Chapter: Microbiology- Paving a long way, Page: 5-7. Publication Year: 2014
3	Book: Innovations in Microbiology and Biotechnology; Chapter 2: Determination of Antimicrobial properties of Trifala, Java Plum, Cinnamon, Henna and Cumin. Author(s): Zakaria Ahmed, Taslima Rahman, Sanchita Sarker. Vol. 2, 3 November 2021, Page 15-27. Publication Year: 2021; ISBN:978-93-5547-103-1(Print),978-93-5547-117-8(eBook).DOI: 10.9734/bpi/imb/v2/4953F
4	Book: Innovations in Microbiology and Biotechnology; Chapter 10: Determination of Antimicrobial analysis of some selected Ayurvedic and Unani medicines. Author(s): Zakaria Ahmed, Taslima Rahman, Sanchita Sarker. Vol. 2, 3, Page 111-123. Publication Year: November 2021; ISBN: 978-93-5547-103-1 (Print), 978-93-5547-117-8 (eBook). DOI: 10.9734/bpi/imb/v2/4991F
5	Book- Challenges and advances in chemical science; Chapter 1- Study on Biochemical Preparation of Natural and Rare Carbohydrate (Pentoses); Author(s): Zakaria Ahmed, Shuranjan Sarker and Taslima Rahman. Vol.- 7. Page 1-17; DOI: 10.9734/bpi/cacs/v7/2135C Publisher Book Publisher International ISBN-978-93-5547-329-5(Print);978-93-5547-330-1(eBook); Book DOI:10.9734/bpi/cacs/v7 Publication Year December 07, 2021.
6	Book- Current Trends In Multidisciplinary Sciences; Chapter 3- Microbiological Quality And

	Multidrug Resistance Pattern Of Isolated Pathogenic Bacteria Of Ready-To-Eat And Street Foods In Dhaka City, Bangladesh; Author(s): Avijit Banik, Maruf Abony, Syeda Tasneem Towhid & Zakaria Ahmed; Vol.- III. Page 30-64; ISBN 978-93-92153-15-0 Publisher South Asian Academic Publications; Publication Year 2021.
7	Book: Practices & Research On Horticulture; Chapter 9: Prevalence, Characterization and AntibioGram Profiling of Fresh Leafy, Salad Vegetables and Rotten Fruits from Different Areas of Dhaka City, Bangladesh; Author(s): Maruf Abony, Avijit Banik and Zakaria Ahmed; Vol - 7; page-127-154; ISBN: 978-93-5570-127-5, Book DOI: 10.22271/ed.book.1521. Published By: AkiNik Publications, 169, C-11, Sector - 3, Rohini, Delhi-110085, India. Publication Year: 2022.
8	Book: Advancement In Biological Chemistry And Nanotechnological Research On Fiber Plants; ISBN: 978-1-63902-906-8; PAGES 141. YEAR: 2022. Author: Zakaria Ahmed, Shuranjan Sarkar; Publisher: Generis Publishing (www.generis-publishing.com); Website: https://www.generis-publishing.com/book.php?title=advancement-in-biological-chemistry-and-nanotechnological-research-on-fiber-plants
9	Book- Microbiological research – food preservation and plant antimicrobial activities. Author- Zakaria Ahmed, Publisher: Eliva Press SRL, Bd. Moscova 21, Chişinău 2068, Republic of Moldova, Europe. Partner of Eliva Press Global LTD, Pope Hennessy Street Level 2, Hennessy Tower Port Louis, Mauritius. ISBN:978-9994983537 Registration No. 1020600000328; Pages:246., Homepage: https://www.linkedin.com/in/evgenia-smishlyaeva-790995274/www.elivapress.com ; Book in Eliva Press catalog: https://www.elivapress.com/en/book/book-6066613645 ; Author's Profile: https://www.elivapress.com/en/authors/author-1408439194/ Amazon USA - https://www.amazon.com/dp/9994983539 Amazon Germany - https://www.amazon.de/dp/9994983539 Amazon France - https://www.amazon.fr/dp/9994983539

RESEARCH ARTICLES

Title	Authors	Name of the Journal; Issue/ Volume
Microbiological Status and Radiosterilization of Cotton Based Medical Products in Bangladesh	Ahmed, Z. , Chowdhury, N.A. and Choudhury, N	Journal of Asiatic Society, Bangladesh, Science; 22: 163-169.
Sterilization of Thiamine Hydrochloride by Radiation: A New Approach	Ahmed, Z. , Chowdhury, N.A., Khan, A.R. and Choudhury, N.	Bangladesh Journal of Life Science, 8: 71-78.
Microbiological and Physicochemical Aspects of radiation sterilization of Oxytetracycline-HCl powder	Ahmed, Z. , Chowdhury, N.A., Khan, A.R. and Choudhury, N.	Bangladesh Journal of Microbiology, 13: 29-34.
Feasibility study of radiation for sterilization of some pharmaceutical Raw materials	Ahmed Z , Khan AR, Chowdhury NA and Choudhury N	Proc. 19th Bang. Sci. Cont, Part-2: 171—177,1996
Sterilization of lactose by Gamma Radiation	Ahmed, Z. , Choudhury, N. and Akhter, F.	Bangladesh Journal of Microbiology, 14:49-50
Radiosensitivity and low temperature storage behavior of microbes associated with ice packed Rita fish (Rita rita)	Ahmed, Z. and Rashid, M. H.	Journal of Asiatic Society, Bangladesh, Science, 24:329-337
Study of the prevalence of bacteria in different kinds of wound infection in Bangladesh	Ahmed, Z. and Rahman, M.	Bangladesh Journal of Scientific Research, 16: 245-248
Fungal efficiency on retting of green ribbon of jute.	Haque, S., Alamgir, M. and Ahmed, Z.	Journal of Asiatic Society, Bangladesh, Science, 24: 303-307
Combination effect of irradiation and low temperature on the survival of microbes of Rita fish kebab	Rashid, M. H., Ahmed, Z. , Rashid, H. -O., Fakhruddin, A.N.M and Choudhury, N.	Journal of Asiatic Society, Bangladesh, Science, 24: 309-318
A New Method for The Production of L-Lyxose from Ribitol Using Microbial and Enzymatic Reactions	Bhuiyan, S. H., Ahmed, Z. , Utamura, M., and Izumori, K.	Journal of Fermentation of Bioengineering, 85: 513-516
Role of microorganisms obtained from jute in the retting of dry ribbons of jute	Haque, M. S., Asaduzzaman, M., Alamgir, M., Ahmed, Z.	Bangladesh Journal of Jute and Fibre Research, 23: 34-

	and Islam, M. R.	39
Isolation of some jute retting fungi from natural source and their effect on dry ribbon retting of CVL-1 jute (<i>Corchorus capsularis</i>)	Ahmed, Z. , Akhter, F. and Alamgir, M.	Bangladesh Journal of Scientific Research, 17: 107-109
Biochemical Preparation of L-Ribose and L Arabinose From Ribitol: A New Approach	Ahmed, Z. , Shimonishi, T., Bhuiyan, S. H., Utamura, M., Takada, G. and Izumori, K.	Journal of Bioscience and Bioengineering, 88: 444-448
Production of D-Lyxose from D-Glucose by Microbial and Enzymatic Methods	Ahmed, Z. , Sasahara, H., Bhuiyan, S. H., Saiki, T., Shimonishi, T., Takada, G. and Izumori, K.	Journal of Bioscience and Bioengineering, 88: 676-678
Bacterial L-ribose and L-arabinose isomerase: Production, isolation, immobilization and characterization.	Ahmed, Z. , and Izumori, K.	Bangladesh Journal of Scientific Research, 35(1-4): 90-104
Studies on the Oxidation of Ribitol and D-Arabitol by <i>Acetobacter acetii</i> IFO 3281.	Ahmed, Z. , and Bhowmik, P. K.	Pakistan Journal of Biological Science, 3: 1492-1495
Effect of Nature of Harvest of Jute Plants On the Production of Cuttings and Improvement of Fibre Quality.	Haque, M. S., Asaduzzaman, M., Akhter, F., Samad, M. A., Baksh, T. and Ahmed, Z.	Online Journal of Biological Science, 1: 563-564
Changes in The Activities of Sucrose Metabolizing Enzymes During the Germination of Wheat Seeds.	Bhowmik, P. K., Matsui, T. and Ahmed, Z.	Pakistan Journal of Biological Science, 4: 1264-1266
Impact of Stem-Water Ratio And Separately Retting The Top And Basal Parts Of Jute on The Quality of Fibre.	Haque, S. M., Asaduzzaman, M., Akhter, F., Hossain, M. M. and Ahmed, Z.	Pakistan Journal of Biological Science, 4: 1191-1193
Comparative Studies of Retting Properties of Different Released Varieties of Jute.	Haque, M. S., Ahmed, Z. , Akhter, F., Asaduzzaman, M., Rahman, M. M. and Hannan, M. A.	Online Journal of Biological Science. 1: 998-1000
Physico-Chemical Changes of Different Varieties of Rice as Influenced by The Application of Blue-Green Algae.	Akhter, F., Tahmida, Z. N., Mondal, R. and Ahmed, Z.	Pakistan Journal of Biological Science, 4: 1306-1311
Influence of City Waste Compost On Soil Properties, Growth and Yield of Jute.	Gani, M. N., Alam, M. M., Alam, A. K. M. M., Khandker, S. and Ahmed, Z.	Pakistan Journal of Biological Science. 4: 1484-1486
Phenology of Jute, Kenaf and Roselle Seed Crops at Different Date of Sowing.	Talukder, F. A. H., M. M. Islam, S. C. Chanda, Ahmed, I. and Ahmed, Z.	Pakistan Journal of Biological Science, 4: 1316-1318
Retting of Green Jute Ribbons (<i>Corchorus capsularis</i> Var. CVL-1) With Fungal Culture.	Haque, M. S., Asaduzzaman, M., Akhter, F. and Ahmed, Z.	Online Journal of Biological Science, 1: 1012-1014
Effect of Nature of Harvest of Jute Plants on the Production of Cuttings and Improvement of Fibre Quality	Haque M.S, Asaduzzaman M., Akhter F, Samad M. A., Baksh T and Ahmed Z.	OnLine Journal of Biological Sciences 1(7): 563-564
Simple Method for D-Xylose Extraction from Jute Stick and Rice Husk.	Ahmed, Z. , Banu, H., Akhter, F. and Izumori, K. A	Online Journal of Biological Science, 1: 001-1004
The Properties of <i>Candida famata</i> R28 for D-Arabitol Production from D-Glucose.	Ahmed, Z.	Online Journal of Biological Science, 1: 1005-1008
Researches on jute and allied fibre plants	Ahmed Z. , Akhter F, Hussain MA, Haque MS, Sayeed MMA and Quashem MA	Pakistan Journal of Biological Science, 5(7): 812-818.
Increase of Macro-Nutrients in Soil by The	Akhter, F., Ahmed, Z. , Tahmida,	Pakistan Journal of

Application of Blue Green Algae in Rice Production.	Z. N. and Mondal, R.	Biological Science. 5:19-24
Distribution and Activity of Microbial Population for Jute Retting and Their Impact On Water of Jute Growing Areas of Bangladesh.	Haque, M. S., Ahmed, Z. , Asaduzzaman, M., Quasham, M. A. and Akhter, F.	Pakistan Journal of Biological Science, 5: 704-706
Estimation of Lignin In Jute By Titration Method.	Hussain, M. A., Huq, M. E., Rahman, S. M. and Ahmed, Z.	Pakistan Journal of Biological Science, 5: 521-522
A Comparative Study On the Quality Control of Jute Yarn – Conventional Drawing Method Vs Modern Drawing Method.	Mahabubuzzaman, A.K.M., Lutfar, L. B., Kabir, M. K. and Ahmed, Z.	Asian Journal of Plant Sciences, 1: 646-647
Study On the Quality of Gardella Fine Yarn in Comparison to Modified Ring Spinning Frame Fine Yarn.	Mahabubuzzaman, A.K.M., Lutfar, L. B., Asaduzzaman, M., Miazi, M. O. G., Dilruba, F. A. and Ahmed, Z.	Pakistan Journal of Biological Science, 6: 76-77
Comparative Study on the Effect of Jute Seed Oil Emulsions with That of Conventional Emulsions Using Mineral Oil On Yarn Quality in Jute Processing.	Mahabubuzzaman, A.K.M., Lutfar, L. B., Asaduzzaman, M., Dilruba, F. A. and Ahmed, Z.	Pakistan Journal of Biological Science, 6: 78-79
Utilization and Feasibility of Retting Effluent as Fertilizer in Vegetable Crops Production.	Akhter, F., Ahmed, Z. , Banu, H. and Haque, M. S.	Pakistan Journal of Biological Science, 6:341-343
Identification of Micrococcus Sp. Responsible for The Acceleration of Jute Retting.	Haque, M. S., Ahmed, Z. , Biswas, A. K. and Akhter, F.	Pakistan Journal of Biological Science, 6:686-687
Study of The Chemical Composition of Different Pipeline Varieties of Jute Fibres.	Ahmed, Z. , Haque, M. S., Akhter, F. and Begum, M.	Pakistan Journal of Biological Science, 6:1463-1469
Optimization of PCR Conditions in Vitro for Maximum Amplification of DNA from <i>Xanthomonas campestris</i> 13551.	Ahmed, Z.	Journal of Applied Sciences Research, 2(3): 112-122.
Study of Agrochemical Retting and Extraction of Jute Through the Application of Agro-Waste	Haque, M. S., Akhter, F., Halim, A., Ahmed, Z. , and Dewan, K.H.	Bangladesh J. Prog. Sci. & Tech., 5(2): 465-468
Use of Cassava (<i>Manihot Esculanta</i>) As Natural and Indigenous Thickener for Preparation of Textile Printing Paste.	Shahidullah, M., Ahmed, Z. , Akhter, F., Halim, A. and Hossain, H. M. Z.	Bangladesh J. Prog. Sci. & Tech., 6(2): 507-510
Effect of Different Pretreatment on Various Properties of Undyed And Dyed Jute Fabrics.	Shahidullah, M., Uddin, M. M., Sayeed, M. M. A., Shahinur, S. and Ahmed, Z.	Journal of Textile and Apparel Technology and Management, North Carolina State University, USA. 6 (1): 1-9
A Comparative Analysis of the Drug Resistance in Staphylococcus Aureus Isolated from Various Sources in Dhaka, Bangladesh.	Mirza, T., Datta, S., Ahmed, Z. and Biswas, S.	Journal of Pure and Appl Micro
Microbiological Analysis of Medical Textiles and Effectiveness of Antimicrobial Finished Fabrics.	Uddin, M.A., Ahmed, Z. , Datta, S. J.	Primeasia University. 1 (1): 1-4
Lustre Variation of the Fibre of Tossa Jute Cultivated in Major Growing Areas of Bangladesh.	Molla, M. A. M., Ahmed, Z. , Shahidullah, M., Sayeed, M. M. A., and Lutfar L. B.	J. Primeasia University. 1 (1): 47-52
Quality Assessment of Tossa Jute Fibre Grown In Different Districts of Bangladesh.	Molla, M. A. M., Shahidullah, M., Anwer, M. M., Sayeed, M. M. A., Mollah M. A. K. and Ahmed Z.	J. Primeasia University. 1(1): 53-58
Antimicrobial Activity of Phyllanthus Emblica and Allium Sativum: Comparative	Nahor, U. and Ahmed, Z.	IOSR Journal of Pharmaceutical Biological

Analysis of Antimicrobial Action of Crude and Ethanolic Extract of These Natural Plant Products.		Science, 4(3): 21-26.
Present Status and Antibiotic Sensitivity Pattern of <i>Salmonella typhi</i> and <i>S. paratyphi</i> in Different Age Group Hospitalized Patients In Dhaka City, Bangladesh.	Akhter, L. and Ahmed, Z.	Journal of Pharmaceutical Biological Science., 4(3): 27-30
Comparative Analysis for The Detection of Tuberculosis by Conventional and Fluroscence Microscopy.	Ahmed, O. and Ahmed, Z.	Bangladesh J. Medi. Sci. 12(3): 315-19.
Bacteriological Study of Post-Operative Abdominal Wound Infection- A Case Study.	Tamanna . and Ahmed, Z.	Bangladesh J.Medi. Sci. 12(1): 86-90
Microbiological Status of Different Sweet and Sweet Products in Dhaka City, Bangladesh.	Nayem, M. U. M. R. and Ahmed, Z.	International Journal of Bio-Technologyand Research, 3(1): 1-10
Study On the Current Status of Secondary Infection of Pulmonary Tuberculosis Patients in Bangladesh.	Khan, M. J. A. and Ahmed, Z.	International Journal of General Medicine and Pharmacy, 2(2): 11-16
Study of Antimicrobial Activity of Ayurvedic and Unani Medicine and Their Comparative Analysis with Commercial Antibiotics	Chakraborty, S. and Ahmed, Z.	International Journal of Research in Applied, Natural and Social Sciences, 1(3): 63-74
Isolation and Identification of Different Bacteria from Different Types of Burn Wound Infections and Study Their Antimicrobial Sensitivity Pattern.	Magnet, M.M.H., Arongozeb, M., Muktadir, G. and Ahmed, Z.	International Journal of Research in Applied, Natural and Social Sciences, 1(3): 125-132.
Isolation and Identification of Bacteria and Fungi from Soil Samples of Different Industry Side In Dhaka City, Bangladesh.	Magnet, M.M.H., Sarkar, D. and Ahmed, Z.	International Journal of Innovative Research & Development, 2(8): 338-339
Study of Atherosclerosis In Normal And Diabetic Patients.	Quddus A.S.M R., Hossain S.M. and Ahmed Z.	International Journal of Humanities, Arts, Medicine and Sciences, 1(1): 27-36
Isolation, Identification and Antimicrobial Sensitivity Pattern of Bacterial Isolates from Tracheal Aspirate of ICU Patients of Central Dhaka, Bangladesh	Haque L. and Ahmed, Z.	International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) 1(7), 11-16
Detection and Identification of Tubercle Bacilli by Different Methods from Sputum and Blood Samples Of Hospitalized Patients In Bangladesh.	Hossain M. A. and Ahmed Z.	American Journal of Advances in Medical Science (www.arnaca.com), 1(2): 13-21
MRSA Infection in Pus and Wound Swab Samples in Hospilized Patients in Bangladesh.	Ahmed Z. and Ali M. J. B.	European Journal of Biomedical and Pharmaceutical Sciences.3(4): 289-294.
Study of Resistant Pattern and Comparative Analysis of Different Generation of Antibiotics Against Various Pathogens.	Khan I. J. and Ahmed Z.	Journal of Innovations in Pharmaceutical and Biological Sciences (JIPBS), 4 (4), 127-131
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LANGUAGES		
Bengali:	Fluent in speaking, writing and reading. Native Speaker.	
English:	Fluent in speaking, writing and reading.	
Japanese:	Fair in speaking only.	



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