PROFESSOR DR. MD. MAJIBUR RAHMAN

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Professor (Selection Grade/Grade-1)
Department of Microbiology
University of Dhaka &
Provost, Salimullah Muslim Hall, University of Dhaka
Former Vice Chancellor
Stamford University Bangladesh
Elected Senate Member, Dhaka University Senate
Founding member, Board of Trustees, Port City international University, Chattagram
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Email address: majibrahman@gmail.com; majibrahman@du.ac.bd
Date of Birth: 31-12-1957
Permanent address: Village: Charitaluk, Post office: Atlapur Bazar, Upa-Zila: Rupgonj, District: Narayanganj.

EDUCATION & RESEARCH:

United Nations University Post-doctoral Fellow: worked at **National Food Research Institute, Tsukuba, Japan** under UNU fellowship program (2001-2002).

Vienna Agricultural University Post-doctoral Fellow (1997-1998): worked at Interuniversity Research Institute for Agro-biotechnology, **Vienna Agricultural University, Vienna, Austria under ÖAD Fellowship** program**.**

German National Center of Biotechnology Post-doctoral Fellow (1992): worked at German National Center for Biotechnology (GBF), Braunschweig, Hannover, Germany (ITP Fellowship).

PhD (1991): Department of Bioscience & Biotechnology, University of Strathclyde, Glasgow, UK.
M.Sc. in Microbiology from the University of Dhaka (1979 held in 1983): Class obtained: 1st class

B.Sc. (Hons.) in Soil, Water and Environment from the University of Dhaka (1978 held in 1981): Class obtained: 1st class

FIELDS OF SPECIALIZATION: 1. Industrial Biotechnology 2. Enzyme Technology & Molecular biology 3. Food Microbiology

***EMPLOYMENT RECORD*:**

Vice Chancellor: Stamford University Bangladesh (2008-2012)

Chairman & Dean: Department of Microbiology & Faculty of Science & Engineering, Stamford University Bangladesh (2005-2008)

Chairman: Department of Microbiology, University of Dhaka (1994-1997)

House Tutor: Bangabandhu Sheikh Mujibur Rahman Hall, Dhaka University (1992-2001).

Professor: Department of Microbiology, University of Dhaka since 23 January 2000 (contd.)

Associate Professor: Department of Microbiology, University of Dhaka (October, 1994-January, 2000).

Assistant Professor: Department of Microbiology, University of Dhaka (September, 1991-October, 1994).

Lecturer: Department of Microbiology, University of Dhaka (June, 1985- September, 1991).

Research Fellow: Department of Microbiology, University of Dhaka (1984-1985).

Quality Control Microbiologist: Essential Drugs Ltd. (1985).

***INTERNATIONAL TRAINING, WORKSHOP & VISITS*:**

August 21, 2005 - 01 September, 2005: visited Hokiruku University, Kinki University, Shijunwate Gakuen University & National Food Research Institute, Tsukuba, Japan under Academic Exchange and Collaborative Research programs between Stamford University Bangladesh and Japanese Universities initiated by Professor Takashi Uemura, Osaka Prefecture University, Japan.

January 25, 2004 - February 26, 2004: worked as **Visiting Professor** at Osaka Prefecture University, Osaka, Japan.

March, 2001 - March, 2002: **United Nations University Fellow**: worked on Cloning and expression of thermostable endo-β-glucanase gene of *T. maritima* in *E. coli*. Enzyme Laboratory, National Food Research Institute, Tsukuba, Japan.

January, 1997 - January, 1998: **Visiting Scientist**: worked on biodegradation of halogenated pesticides at Interuniversity Research Institute for Agro-biotechnology, Vienna Agricultural University under **Austrian Academic Exchange Service** (ÖAD) Fellowship Program.

December, 22 - 27, 1995: attended a **UNESCO sponsored Regional Workshop** on the Application of Microbial Biotechnology held at **IIT, New Delhi, India.**

August, 30 - October, 18, 1992: participated in an International training program in Industrial Biotechnology and worked on Yeast biomass production using UBICON control system at **German National Center for Biotechnology** (GBF), Braunschweig, Hannover, **Germany**.

July, 1984 - June, 1985: worked as **Research Fellow** in a Renewable Energy Research Project of Dhaka University.

PROFESSIONAL & ADMINISTRATIVE POSITIONS HELD:

Chief Editor: Bangladesh Journal of Microbiology (2018-2020).

Chief Editor: Stamford Journal of Microbiology (2011-2012).

Member: Editorial Board, Bangladesh journal of Microbiology (2011-12).

President: Bangladesh Society of Microbiologists (2010-2011).

General Secretary: Bangladesh-Japan Association for the promotion of Science & Technology (2007-2009).

President: Graduate Microbiologist Association (2000-2002).

Chairman: Japan-Bangladesh Joint International Conference on Microbiology Education & Prospect of Japanese Collaboration in Education & Research held in Pan Pacific Sonargaon hotel organized by Stamford University Bangladesh (2005).
Academic Advisor: Faculty of Science & Engineering, Stamford University Bangladesh (2004-2005)

Member: Editorial Board, DU Journal of Biological Sciences (1995, 2001)

House Tutor: Bangabandhu Sheikh Mujibur Rahman Hall, University of Dhaka (1992-2001)

Member: Biotechnology Product Development Committee, Ministry of Science & Technology, GOB (1996)

Member: Biotechnology Research Center, Dhaka University (1996)

NATIONAL & INTERNATIONAL AWARD/SCHOLARSHIP/FELLOWSHIP RECEIVED:

United Nations University Fellowship (2001-2002): National Food Research Institute, Tsukuba Science City, Japan

Austrian Academic Exchange Fellowship (ÖAD**)** (1997-98): IFA, Vienna Agricultural University, Austria

UNESCO Fellow (1995): IIT, New Delhi, India

International Training Program (ITP) Fellowship (1992): German National Center for Biotechnology, (GBF) Braunschweig, Germany

Commonwealth Scholarship (1986-87): for the degree of PhD at the University of Strathclyde, Glasgow, U.K.

Government Merit Award (1981): based on B.Sc. (Hons.) results

INTERNATIONAL CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

DUMAA Convention at Houston, Texas (USA) organized by DUMAA, US Chapter (11-13 November, 2016).

AFSA Conference at Bhubenneswar, India organized by Asian Food Safety Association (16-18 September, 2016).

International Conference on Food Safety & Security (15-18 August, 2014) organized by AFSA (2nd conference) at Dong Nai University , Ho Chi Minh City, Vietnam.

International conference on Infectious diseases and Nanomedicine 2012 (15-18, December, 2012) organized by Nepalese Association of Medical Microbiology and Nepal Polymer institute held at Park Resort Hotel, Kathmandu, Nepal.

International conference Going Global 2012 on Future Higher Education held in Queen Elizabeth Conference Hall, London (March 13-15, 2012) organized and sponsored by British Council, UK.

International Conference on Food Safety & Hygiene (March 2009) held in Nara Institute of Public Health, Nara, Japan.

2nd Japan-Bangladesh Joint International Conference on Microbiology Education & Japanese Collaboration (26-27, December 2006) sponsored by Kinki University, Nara, Japan.

South Asian Regional Conference on Food Safety & Hygiene (7, March 2006) sponsored by Japan International Research Center for Agricultural Sciences (JIRCAS), Tsukuba, Japan

The Molecular Biology Society of Japan (2002), Yokohama, Japan sponsored by United Nations University, Tokyo.

JSBA Conference at Sendai, Japan (2002) sponsored by United Nations University, Tokyo.

UJNR Conference at Tsukuba, Japan (2001) sponsored jointly by US-Japan National Research Council & National Food Research Institute, Tsukuba, Japan.

Biotech Industry in the 2005 A.D.(1998) in New Delhi, India sponsored jointly by All India Biotech Association and United Nations Development Program (UNDP) (**as Invited Speaker**).

ITP Conference (1996) at GBF, Braunschweig, Germany sponsored by German National Center for Biotechnology, Germany.

Society of General Microbiology Conference (1990) at Swansea, Cardiff, U.K. sponsored by Society of General Microbiology, U.K.

CONSULTANCY RECORD (NATIONAL & INTERNATIONAL)

2016-2018 (Co-investigator): Last 100 meter- A project on water quality funded by British Academy.

2017-2018 (Principal Investigator): Isolation and identification of antibiotic producing *Streptomyces* spp. by cultural, biochemical and molecular techniques funded by MOST, GOB.

2014-2017 (Principal Investigator): Effect of climate change on the genetic diversity of microorganisms found in different regions of Bangladesh and construction of a microbial data bank- funded by the Ministry of Education, GOB.

2016-2017 (***Principal Investigator***): Effect of climatic conditions on the genetic diversity of *Escherichia coli* funded by UGC.

2015-2016 (***Principal Investigator)***: Molecular characterization of pathogens associated with fresh produce and efficacy of different sanitizers in reducing the load of pathogens funded by MOST, GOB.

2013-2014 (Principal Investigator): Prevalence of *Burkholderia pseudomallei* –a causative agent of Melioidosis, in soils of different areas of Bangladesh- funded by UGC.

2013-2014 **(*Principal Investigator*)**: Assessment of survivability of pathogenic bacteria in raw fresh vegetables through *in vitro* challenge test funded by MOST, GOB.

2013-2014 **(*Principal Investigator*)**: Survival and growth of human pathogens in fresh and minimally processed vegetables and the efficacy of electrolyzed water and GRAS chemicals in the removal of pathogens funded by UGC-DU.

2012-14 **(*ASPM)***: Strategies to reduce the burden of influenza virus in the slums of Bangladesh: funded by World Bank (**HEQEP Project**).

***2011-2013* (*Principal Investigator*)**: Molecular Characterization of the Pathogens Associated with Export Quality Frozen Shrimp to determine Antibiotic Resistant Genes and Virulent Properties funded by Ministry of Education, GOB under Grants for Advanced Research in Science.

***2006-2007* (*Principal Investigator*)**: Shrimp hygiene & Safety: funded by National Food Research Institute (under MAF) Tsukuba, Japan.

***2002-2004* (*Principal Investigator*)**: Microbial cellulases: funded by United Nations University, Tokyo, Japan.

***1998-1999* (*Principal Investigator*)**: Municipal waste management: funded by MOSICT, GOB under special allocation.

***1998-1999* (*Principal Investigator*)**: Study of bacterial dehalogenases: funded by MOSICT, GOB.

***1994-1995* (*Principal Investigator*)**: Bioprocess development: funded by Biotechnology Research Center, Dhaka University

***1994-1996* (*Principal Investigator*)**: Production of yeast & yeast derivatives: funded by MOSICT, GOB.

PUBLICATIONS:

To date, more than **81 (Eighty one)** research papers have been published in the nationally & internationally reputed journals.

OTHER SOCIAL & PROFESSIONAL ACTIVITIES:

Member: Asiatic Society of Bangladesh (2015-contd.)
Champion: F.H. Hall Debate Competition, DU (1980)
Member: Society for General Microbiology, UK (1990)
Life Member: Bangladesh Society of Microbiologists.
Member: Molecular Biology Society of Japan (2002)
Life Member: EDAPHOS (Soil Science Society)
General Secretary: Bangladesh Association, Scotland, U.K. (1987-1988)

PERSONAL: Married, Father of two children, Date of birth: 31 December 1957

COUNTRY VISITED: United Kingdom, USA, Germany, Thailand, Malaysia, India, Nepal, Austria, Japan and Vietnam.

Date: 08.06.2020 Signature: 

PUBLICATIONS:

Tusher-Al-Arafat , Md. Rasel Mahmud , Md. Tauhidul Islam Tanim , Md. Miraj Kobad Chowdhury , Md. Mizanur Rahaman , Sabita Rezwana Rahman and **Md. Majibur Rahman** (**2018**): Genetic Diversity of *Salmonella enterica* Strains Isolated from Sewage Samples of Different Hospitals in Bangladesh. Bangladesh Journal of Microbiology**,** **35**(1), 57-60.

Sabita Rezwana Rahman, M Firoz Ahmed, M Ariful Islam and **M Majibur Rahman** (**2016**): Effect of risk factors on the prevalence of influenza infections among children of slums of Dhaka city. SpringerPlus**, 5**(602), 1-6.

Modhusudon Saha, M Ariful Islam, Abul BMMK Islam, M Firoz Ahmed, **M Majibur Rahman** and Sabita Rezwana Rahman (**2015**): Prediction of new conserved epitopes in protein 3D model to neutralize influenza B viru strain H3N2 circulating in Bangladesh. International Journal of Current Research in Chemistry and Pharmaceutical Sciences, **2**(3), 99-109.

M Ariful Islam, Nazneen Sultana, Firoz Ahmed, M Majibur Rahman and Sabita Rezwana Rahman (**2015**): Antigenic and genetic characterization of influenza B viruses in 2012 from slums, Dhaka Bangladesh. Research Note, **46**, 1-5.

Rashed Noor, Mushfia Malek, Sohanur Rahman, Monirunnessa Meghla, Mrityunjoy Acharjee and M Majibur Rahman (2015): Assessment of survival of pathogenic bacteria in fresh vegetables through in vitro challenge test. International Journal of Food Contamination, **2** (15), Doi 10.1186/s40550-015-0021-3.

Rashed Noor, Md. Faqrul Hasan, Md. Sakil Munna, **M Majibur Rahman** (**2015**). Demonstration of virulent genes within *Listeria* and *Klebsiella* isolates contaminating the export quality frozen shrimps**.** *International Aquatic Research*. DOI: 10.1007/s40071-015-0097-7.

Zohirul Islam, Sabrina Sultana, **M. Majibur Rahman**, Sabita R. Rahman, Md. Latiful Bari (2015). Effectiveness of different sanitizers in inactivating E. coli O157:H7 in Tomato and Cucumber. Journal of Food and Nutrition Sciences, **3**(1-2): 60-64.

Rashed Noor, Md Faqrul Hasan and **M Majibur Rahman** (**2014**): Molecular characterization of the virulent microorganisms along with their drug resistance traits associated with the export quality frozen shrimps in Bangladesh, *SpringerPlus*, 3**:**469, http:/www.springerplus.com/content/3/1/469.

Tasnia Ahmed, Nusrat Jahan Urmi, Md. Sakil Munna, Kamal Kanta Das, Mrityunjoy Acharjee, **M Majibur Rahman**, Rashed Noor, (**2014**) : Assessment of microbiological proliferation and *in vitro* demonstration of the antimicrobial activity of the commonly available salad vegetables within Dhaka Metropolis, Bangladesh. American Journal of Agriculture and Forestry**,** 2(3): 55-60.

Rashed, N., Md. Aftab U., Md. Azizul H., Saurab, K.M.M., Mrityunjoy, A., **M. Majibur R**. (**2013**): Microbiological study of vendor and packed fruit juices locally available in Dhaka City, Bangladesh. International Food Research Journal, **20**(2), 1011-1015.

Rashed Noor, Shekhar Ranjan Saha, Farjana Rahman, Saurab Kishore Munshi, Md. Aftab Uddin and **M. Majibur Rahman** (**2012**): Frequency of opportunistic & other intestinal parasitic infections among the Human Immunodeficiency Virus (HIV) infected patients in Bangladesh. Tzu Chi Medical Journal. **24**(4), 191-195.

Mahbubul Hasan Siddiqee, Md. Saiful Islam and **M Majibur Rahman** (**2012**): Assessment of pollution caused by tannery-waste and its impact on aquatic bacterial community in Hajaribag, Dhaka. Stamford Journal of Microbiology, **2**(1), 20-23.

Mukitu Nahar, Zinat Mahal, Hasan M. Zahid, Khadiza Zaman, Fahmida Jahan, **M Majibur Rahman** and Rashed Noor (**2012**): Effects of plasmid curing on *Rhizobium* spp., Stamford Journal of Microbiology, **2**(1), 34-37.

M. Majibur Rahman, Farjana Rahman, Farzana Afroze, Farzana Yesmin, Kazi Kaniz Fatema, Kamal Kanta Das, Rashed Noor (2012): Prevalence of Pathogenic Bacteria in Shrimp Samples Collected from Hatchery, Local Markets and the Shrimp Processing Plant. Bangladesh Journal of Microbiology, 29 (1): 7-10.

Saurab Kishore Munshi, **M. Majibur Rahman** and Rashed Noor (**2012**): Detection of Virulence Potential of Diarrhoegenic *E. coli* Isolated From Surface water of Rivers Surrounding Dhaka City. Journal of Bangladesh Academy of Sciences, **36**(1), 109-121.

Bidhan Chakraborty, Tanvir Bashar, Konok Roy, Rashed Noor and **M. Majibur Rahman** (**2011)**. Persistence of Anti-HBs Antibody and Immunological Memory in Healthy Individuals Vaccinated with Hepatitis B Vaccine. Stamford Journal of Microbiology, **1**(1), 37-41.

Farjana Rahman, Saurab Kishore Munshi, S.M. Mostafa Kamal, ASM Matiur Rahman**, M. Majibur Rahman** and Rashed Noor (**2011**). Comparison of Different Microscopic Methods with Conventional TB Culture. Stamford Journal of Microbiology, **1**(1), 46-50.

Mrityunjoy Acharjee, Farjana Rahman, Sadia Afrin Beauty, Farahnaaz Feroz, **M. Majibur Rahman** and Rashed Noor. Microbiological Study on Supply Water and Treated Water in Dhaka City (**2011**). Stamford Journal of Microbiology, **1**(1), 42-45.

Fazle Alam Rabbi, Fazle Rabbi, TA Runun, Khadiza Zaman , **M. Majibur Rahman** and Rashed Noor. Microbiological Quality Assessment of Foods collected from Different Hospitals within Dhaka City **(2011**). Stamford Journal of Microbiology, **1**(1), 31-36.

Tanvir Bashar, Mostafizur Rahman, Fazle Alam Rabbi, Rashed Noor and **M. Majibur Rahman**. Enterotoxin Profiling and Antibiogram of *Escherichia coli* Isolated from Poultry Feces in Dhaka District of Bangladesh (**2011**). Stamford Journal of Microbiology, **1**(1), 51-57.

Tanvir Bashar, Ami Chakrabarty, M Aftab Uddin, Khadiza Zaman, Faisul Islam and **M Majibur Rahman** (**2010**). *In vitro and in vivo* characterization of toxigenic *Vibrio cholerae* and *Aeromonas* spp. isolated from freshwater habitat of Dhaka City. Bangladesh Journal of Medical Science, **16**(1), 43-47.

Farjana Rahman, Sadia Chowdhury, **Md. Majibur Rahman**, Dilruba Ahmed and Anowar Hossain (**2009**). Antimicrobial Resistance Pattern of Gram-negative Bacteria Causing Urinary Tract infection. Stamford Journal of Pharmaceutical Sciences, **2**(1), 44-50.

Shuvra Kanti Dey, Aksara Thongprachum, Abm Rafiqul Islam, Gia Tung Phan, **Majibur Rahman**, Masashi Mizuguchi, Shoko Okitsu and Hiroshi Ushijima (**2009**). Molecular analysis of G3 rotavirus among infants and children in Dhaka City, Bangladesh after 1993. Infection, Genetics and Evolution, **9**, 983-986.

Shuvra Kanti Dey, Yuko Hayakawa, **Majibur Rahman**, Rafiqul Islam, Masashi Mizuguchi, Shoko Okitsu and Hiroshi Ushijima **(2009**). G2 strain of Rotavirus among Infants and Children, Bangladesh. Emerging Infectious Diseases, **15**(1), 91-94.

Shuvra Kanti Dey, Tuan Anh Nguyen, Tung Gia Phan, Osamu Nishio, Abul Faiz M. Salim**, Majibur Rahman**, Fumihiro Yagyu, Shoko Okitsu and Hiroshi Ushijima (**2007**). Molecular and epidemiological trend of norovirus associated gastroenteritis in Dhaka City, Bangladesh. Journal of Clinical Virology**, 40** (3), 218-223.

F.R. Pinu, Sabina Yeasmin, Md. Latiful Bari and **M.M. Rahman** (**2007**): Microbiological Conditions of Frozen Shrimp in Different Food Markets of Dhaka city. Food Science & Technology Research, **13**(4), 362-365.

M. S. Islam, M.I.K. Jahid, **M.M. Rahman**, M.Z. Rahman, M.S. Islam, M.S. Kabir, David A. Sack and Gary K. Schoolnik **(2007)**: Biofilm Acts as Microenvironment for Plankton-Associated *Vibrio cholerae* in the Aquatic Environment of Bangladesh. Microbiology & Immunology, **51**(4), 369-379.

M. Jubair**, M.M. Rahman** and M.M. Hoque (**2006**). Microbiological quality of shrimps & shrimp products of Dhaka City markets. Bangladesh Journal of Microbiology**, 23**(1), 60-62

J. Amin, ABMMK. Islam and **M.M. Rahman** (**2004**). Prevalence of pathogenic microorganisms in poultry products and associated manpower. Bangladesh Journal of Microbiology, **21**(2), 101-103.

M. Yasmin, S.R. Rahman, **M.M. Rahman**, M.A. Malek, M.A. Hossain and N. Choudhury (**2004**). Partial purification and characterization of Protease from *Saccharomyces cerevisiae*. Dhaka University Journal of Biological Sciences, **13**(1), 1-7.

D.J. Gomes, M.N. Islam, S.R. Rahman, S.H. Bhuiyan and **M.M. Rahman** (**2003**). Factors influencing the bactericidal activity of normal human serum against *Salmonella typhi* and *S. paratyphi*. Bangladesh Journal of Medical Science**, 9**(2), 86-90.

S. A Mahmud, S.R. Rahman, D.J. Gomes, **M.M. Rahman** and S.A. Hossain. (**2003**). Degradation of cellulosic and hemicellulosic materials by thermophilic composting bacteria. Bangladesh Journal of Microbiology, **20** (1&2), 5-9.

S. A Mahmud, S.R. Rahman, D.J. Gomes, **M.M. Rahman** and S.A. Hossain. (**2002**). Isolation and screening of composting fungi capable of degrading cellulosic and hemicellulosic compounds. Bangladesh Journal of Biochemistry, **8**, 31-39.

M.N. Islam, S. Ahmed, S.H. Bhuiyan, **M.M. Rahman** and D.J. Gomes (**2002**). Serum and Drug susceptibility of clinical isolates of *Salmonella typhi* and *Salmonella paratyphi*. Bangladesh Journal of Medical Science, **8**(1), 25-29.

M.M. Rahman, S.H. Bhuiyan, S. Nirasawa, M. Kitaoka and K. Hayashi (**2002**). Characterization of an endo-β-1,4-glucanase of *Thermotoga maritima* expressed in *Escherichia coli*. Journal of Applied Glycoscience, **49**(4), 487-495.

I. Sultana, Rahman, M.M., S.H. Bhuiyan and **M.M. Rahman** (**2002**). Survivality and Virulence of *Shigella sonnei* and *Shigella boydii* in different physico-chemical stress conditions. Journal of Biological Sciences, **2**(3),196-201.

I. Sultana, Rahman, M.M., S.H. Bhuiyan and **M.M. Rahman** (**2002**). Influence of different physico-chemical stresses on growth and survivality of *Shigella dysenteriae* and *Shigella flexneri*. Journal of Biological Sciences, **2**(1), 53-57.

M.A. Quader, M.S.H. Bhuiyan, D.J. Gomes and **M.M. Rahman** (**2001**). Occurrence and drug susceptibility of *Campylobacter jejuni* recovered from diarrhoeal children. Bangladesh Journal of Medical Science, **7**(2), 84-87.

S.M. Barnini, M. Yasmin, A. Begum and **M.M. Rahman** (**2001**). Growth of *Pseudomonas* spp capable of degrading chlorinated pesticides .Dhaka University Journal of Biological Sciences, **10**(2) ,1-7.

M.M. Rahman, A. Paterson and D.R. Berry (**2001**). Activity of beta- glucanases in a temperature induced autolysis of yeast biomass. Bangladesh Journal of Microbiology, **17**(2), 151-159.

M.M. Rahman, A. Paterson and D.R. Berry (**2000**). Chitinase activity during heat induced autolysis of *Saccharomyces cerevisiae* biomass. Bangladesh Journal of Microbiology, **16**(1), 1-8.

F.M.M. Hossain**, M.M. Rahman**, N. Choudhury and M.A. Malek (**1999**). Production of carboxymethyl cellulase and cellobiase by a thermophilic *Bacillus* sp. Bangladesh Journal of Microbiology, **16**(2), 115-125.

H.A. Begum, **M.M. Rahman**, N. Choudhury and S. Hoque (**1999**). Growth of locally isolated yeast strain SC-4 in molasses medium. Bangladesh Journal of Science and Technology, **1**(2), 277-281.

H.A. Begum, **M.M. Rahman**, N. Choudhury and S. Hoque (**1999**). Influence of inoculum size and different concentrations of MYMP medium on the growth of *Saccharomyces cerevisiae* SC-4. Bangladesh Journal of Microbiology, **16(**1), 21-27.

F.M.M. Hossain, **M.M. Rahman**, N. Choudhury and M.A. Malek (**1998**). Extracellular carboxymethyl cellulase and cellobiase of some aerobic bacterial isolates. Bangladesh Journal of Microbiology, **15**(2), 17-26.

M.I.H. Khan, A. Uddin, M.A. Malek and **M.M. Rahman** (**1998**). Purification and characterisation of extracellular beta-1,3-glucanase of *Saccharomyces cerevisiae* DSM-2155. Bangladesh Journal of Microbiology, **15**(1), 15-23.

M.M. Rahman, S.A. Rumman, N.A. Chowdhury, M.A. Malek, J. Nessa and N. Choudhury (**1998**). Effect of different carbon and nitrogen sources for acetic acid production by *Acetobacter aceti* . Bangladesh Journal of Microbiology, **15**(1), 1-6.

S.H. Shirazi, S.R. Rahman and **M.M. Rahman** (**1998**). Production of extracellular lipases by *Saccharomyces cerevisiae* . World Journal of Microbiology and Biotechnology, **14**, 595-597.

S.H. Shirazi, S.R. Rahman and **M.M. Rahman** (**1998**). Characterisation of extracellular lipases produced by *Saccharomyces cerevisiae* (DSM-1848). Bangladesh Journal of Microbiology, **7**, 25-30.

S.H. Shirazi, S.R. Rahman and **M.M. Rahman** (**1997**). Optimisation of growth condition of *Saccharomyces cerevisiae* DSM 1848 for the production of extracellular lipases. Bangladesh Journal of Biochemistry, **3**(1), 35-41.

M.M. Rahman, A. Paterson and D.R. Berry (**1996**). Activity of cell wall degrading enzymes in temperature-induced yeast autolysis. Proceedings of the 10th International Conference on Biotechnology and its Global Impact (held in GBF, Braunschweig, Germany, 7-11 October, 1996).

S. Begum, **M.M. Rahman** and N. Choudhury (**1996**). Production of extracellular proteases by some selected yeast strains. Bangladesh Journal of Scientific and Industrial Research, **14**(2), 125-130.

P. Akter, **M.M. Rahman**, M.S.H. Bhuiyan and A. Rahman (**1996**). Acid sensitivity as affected by physicochemical stresses in *Aeromonas hydrophila* . Japanese Journal of Medical Science and Biology, **49**(3), 95-102.

M.M. Rahman (**1996**). Microbial Biotechnology: scope and application in the industrial development of Bangladesh. Asiatic Society Newsletter, **3**, 2-5.

M.M. Rahman, A.R. Khan, S.R. Rahman and G. Hossain (**1996**). Effect of pesticides on soil bacterial population. Dhaka University Journal of Biological Sciences, **5**(2), 121-128.

S.R. Rahman, **M.M. Rahman** and N. Choudhury (**1996**). Production and activity of beta 1,3-glucanase during growth of *Saccharomyces cerevisiae* . Bangladesh Journal of Biochemistry, **2**(1), 9-14.

S.R. Rahman**, M.M. Rahman** and N. Choudhury (**1995**). Occurrence and properties of extracellular alpha-mannanase of *Saccharomyces cerevisiae* strain DSM 2155. Bangladesh Journal of Biochemistry, **1**(2), 87-91.

S.R. Rahman**, M.M. Rahman** and N. Choudhury (**1995**). Extracellular proteolytic activity of Saccharomyces cerevisiae DSM 1848. Bangladesh Journal of Microbiology, **12**(2), 45-49.

M.M. Rahman, R. Akter and S.R. Rahman (**1995**). Extracellular beta-1,6-glucanase activity during growth of seven strains of *Saccharomyces cerevisiae*. World Journal of Microbiology and Biotechnology, **11**(6), 689-690.

M.A. Ali, M.H. Kabir, M.A. Quaiyyum, **M.M. Rahman** and A. Uddin (**1995**). Antibacterial activity of caraway against *Shigella* spp. Bangladesh Journal of Microbiology, **12**(2), 81-85.

H.A. Begum, **M.M. Rahman**, N. Choudhury and S. Hoque (**1995**). Effect of different media and growth conditions on the production of yeast biomass. Bangladesh Journal of Microbiology, **12**(1), 57-63.

P. Akter, M.S.H. Bhuiyan and **M.M. Rahman** (**1995**). Sodium chloride induced acid sensitivity of *Shigella* spp at pH 3. Bangladesh Journal of Microbiology, **12**(1). 51-55.

M.A.H. Sadat**, M.M. Rahman**, S.I. Khan and N. Choudhury (**1995**). Physicochemical changes in chicken carcasses during storage under frozen condition. Journal of Nuclear Science and Applications, **4**(1), 85-87.

M.A.H. Sadat, **M.M. Rahman**, S.I. Khan and N. Choudhury (**1994**). Effect of frozen storage on bacterial population of chicken and drug sensitivity of some isolated strains. Dhaka University Journal of Biological Sciences, **3**(1), 93-96.

M.A.H. Sadat, **M.M. Rahman**, S.I. Khan, H. Rashid, M.K. Alam and N. Choudhury (**1993**). Effect of irradiation doses on the bacteria associated with spoilage of chicken. Bangladesh Journal of Microbiology, **2**, 95-100.

M. Parveen, **M.M. Rahman** and M.M. Hoq (**1993**). Production of baker's yeasts: isolation of potential strains. Dhaka University Journal of Biological Sciences, **3**(1), 129-135.

M.M. Rahman, D. Pawar, B.V. Kilikian, A. Impoolsup, and S.A. Ibrahim (**1992**). Production of yeast biomass using Expert Control System. In the ' Project Report' of the 6th International Training Programme in Introduction to Industrial Biotechnology (Scriven, J. ed.), pp.1-27. Gesellschaft fur Biotechnologishe Forschung, Braunschweig, Germany.

M.M. Rahman (**1991**). Changes in the yeast *Saccharomyces cerevisiae* cell wall associated with autolysis in a simulated industrial process and study of the activity of related enzymes. Ph.D. thesis, Department of Bioscience and Biotechnology, University of Strathclyde, Glasgow, U.K.

M. Ilias and **M.M. Rahman** (**1987**). Antimicrobial activities of benzylated dihydrochalcones. Dhaka University Studies, **2**(1), 57-60.

M.M. Rahman, M.D. Alam, S. Hoque and A. Islam (**1987**). A study to evaluate the digested slurry of organic wastes as manure on the growth of rice plants. Dhaka University Studies, **1**(2), 101-106.

M.M. Rahman, M.R. Khan and M. Ilias (**1986**). Production of ethanol from unconventional substrates by anaerobic bacterial strains. Bangladesh Journal of Microbiology, **3**(2), 19-21.

M.M. Rahman, A.A. Chowdhury, M.R. Khan and A. Islam (**1986**). Microbial production of biogas from plant wastes. Journal of Fermentation Technology, **64** ,45-49.

M.M. Rahman (**1984**). Studies on microbial production of biogas from plant wastes. M.Sc. thesis, Department of Microbiology, University of Dhaka.