

Name: **Laisa Ahmed Lisa, PhD**; Professor and Chairman Dept.: Biochemistry and Molecular Biology

Serial No.	Publication Title	Author's Name	Journal Name/Book Chapter (Volume, Issue, Page no. and Year)
1.	Isolation and characterization of beneficial microorganisms in organic, semi-organic and conventional fertilizer treated agricultural field soil and comparison of bacterial richness	Md. Mahfujur Rahman, <b>Laisa Ahmed Lisa</b> , Sunzid Ahmed, Md. Nazim Uddin, Tuhina Hasan and Sharmin Zaman	Journal of Agricultural Chemistry and Environment (Vol. 9, Issue 4, Page No. 223-239, Year 2020)
2.	A Study on the Effect of Blanching and Different Sugar Solution on the Quality of Candy Prepared from Bottle Gourd by Osmotic Dehydration Technique	Tania Sultana, Sultana AnjumanAra Khanom, M Kamruzzaman and <b>Laisa Ahmed Lisa</b>	EC Nutrition (Vol. 15, Issue 9, Page No. 71-81, Year 2020)
3.	Antibacterial properties of Neem (Azadirachtaindica): a mini review	Haque S, Khan SF and <b>Laisa Ahmed Lisa</b>	Biojournal of Science and Technology (Vol. 4, Page No. 1-7, Year 2016)
4.	Pollution assessment and heavy metal determination by AAS in waste water collected from Kushtia industrial zone in Bangladesh	Rafiqueel Islam, Jannat Al Faisal, Hasanuzzaman, Musrat Rahman, <b>Laisa Ahmed Lisa</b> and Dipak Kumar Paul	African Journal of Environmental Science and Technology (Vol. 10, Issue 1, Page No. 9-17, Year 2016)
5.	In vitro Antimicrobial activity of different extracts of GotuKola and Water Spinach against pathogenic Bacterial strains	Tanvir Ahmad, M. Kamaruzzaman, Md. Ashrafuzzaman, Asif Ahmad, <b>Laisa Ahmed Lisa</b> and Dipak Kumar Paul	Current Research in Microbiology and Biotechnology (Vol. 3, Issue 4, Page No. 663-669, Year 2015)
6.	Perspective of Ebola virus disease (EVD): Outbreaks, etiology and treatment	Shital Kumar Barman, <b>Laisa Ahmed Lisa</b> , Dipak Kumar Paul, Biplob Kumar Dash, Sudhangu Kumar Biswas and Apurba Kumar Roy	Journal of Pharma Sciences (Vol. 5, Issue 3, Page No 1087-1091, Year 2015)

7.	Mineral and Heavy Metal Contents of Some Vegetables Available in Local Market of Dhaka City in Bangladesh	Khan Md. Murtaja Reza Linkon, Mohammad A. Sattar, S. A. Jabin, Nusrat Abedin, M. F. Islam, <b>Laisa Ahmed Lisa</b> and Dipak Kumar Paul	Journal of Environmental Science, Toxicology and Food Technology (Vol. 9, Issue 5, Page No. 1-6, Year 2015)
8.	An Updated Review on Multi-drug Resistant Patterns of Salmonella in Bangladesh along with its Neighbouring Countries	S. K. Barman, <b>Laisa Ahmed Lisa</b> , D. K. Paul, N. C. Barman, M. K. Banu and S. K. Biswas	Plant Environment Development (Vol. 4, Issue 1, Page No. 01-05, Year 2015)
9.	Effect of the vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter transgene in a rice landrace and a commercial rice cultivar after its insertion by crossing	Sudip Biswas, Samsad Razzaque, Sabrina M. Elias, U. S. Mahzabin Amin, Taslima Haque, S. M. Touhidul Islam, <b>Laisa Ahmed Lisa</b> , Farhana Naznin, Noorain M. Rasul and Zeba I. Seraj	Acta Physiologiae Plantarum (Vol. 37, Page No. 17-50, Year 2015)
10.	A Study on Tomato Candy Prepared by Dehydration Technique Using Different Sugar Solutions	Md. Hasanuzzaman, M. Kamruzzaman, Md. Mominul Islam, Sultana Anjuman Ara Khanom, Md. Mashiar Rahman, <b>Laisa Ahmed Lisa</b> and Dipak Kumar Paul	Food and Nutrition Sciences (Vol. 5, Page No. 1261-1271, Year 2014)
11.	Physiology and gene expression of the rice landrace Horkuch under salt stress	<b>Laisa Ahmed Lisa</b> , Sabrina M. Elias, M. Sazzadur Rahman, Saima Shahid, Tetsushi Iwasaki, Mahbub Hasan, Keiko Kosuge, Yasuo Fukami and Zeba I. Seraj	Functional Plant Biology (Vol. 38, Page No. 282-292, Year 2011)
12.	Genetic diversity of saline coastal rice ( <i>Oryza sativa</i> L.) landraces of Bangladesh	Zeba I. Seraj, <b>Laisa Ahmed Lisa</b> , M. Rafiqul Islam, Rokeya Begum and Deepok K. Das	Abiotic Stress Tolerance in Plants, Springer, The Netherlands (Page No. 229-244, Year 2004)
13.	Genetic variation in microsatellite DNA, physiology and morphology of coastal saline rice ( <i>Oryza sativa</i> L.) landraces of Bangladesh	<b>Laisa Ahmed Lisa</b> , Zeba I. Seraj, C. M. Fazle Elahi, Keshob Chandra Das, Kuntal Biswas, M. Rafiqul Islam, M. Abdus Salam and A. R. Gomosta	Plant And Soil (Vol. 263, Page No. 213-228, Year 2004)
14.	Observation of Mosquito of Dean-Stone Tea Estate, Srimangal, Bangladesh.	TouhidUddin Ahmed, Md. Monirul Islam, Sadequr Rahman, <b>Laisa Ahmed Lisa</b> and Apala Farhat Naved	Journal of Medical Science (Vol. 7, Issue 01, Year 30-34, Year 2001)

15.	Isolation of a Long Chain Fatty Acid from the Root of Clerodendron viscosum Vent.	<b>Laisa Ahmed Lisa</b> , M. Qaisuddin, M. Ekramul Haque and Abul Hossain Mollah	Journal of Bio-Science (Vol. 6, Page No. 171-174, Year 1998)
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Name: **Dr. Md. Rafiqul Islam**; Assistant Professor      Dept.: Biochemistry and Molecular Biology

Serial No.	Publication Title	Author's Name	Journal Name/Book Chapter (Volume, Issue, Page no. and Year)
1.	Annexin A2-S100A10 Represents the Regulatory Component of Maxi-Cl Channel Dependent on Protein Tyrosine Dephosphorylation and Intracellular Ca <sup>2+</sup> .	<b>Md. Rafiqul Islam</b> , Toshiaki Okada, Petr G. Merzlyak, Abduqodir H. Toychiev, Yuhko Ando-Akatsuka, Ravshan Z. Sabirov, and Yasunobu Okada	Cellular Physiology and Biochemistry (Vol. 54, Issue 4, Page No. 538-555, Year 2020)
2.	Cell Volume-Activated and Volume-Correlated Anion Channels in Mammalian Cells: Their Biophysical, Molecular, and Pharmacological Properties.	Yasunobu Okada, Toshiaki Okada, Kaori Sato-Numata, <b>Md. Rafiqul Islam</b> , Yuhko Ando-Akatsuka, Tomohiro Numata, Machiko Kubo, Takahiro Shimizu, Ranohon S. Kurbannazarova, Yashinori Marunaka and Ravshan Z. Sabirov	Pharmacological Review (Vol. 71, Issue 1, Page No. 49-88, Year 2019)
3.	Molecular Identities and ATP Release Activities of Two Types of Volume-Regulatory Anion Channels, VSOR and Maxi-Cl.	Yasunobu Okada, Toshiaki Okada, <b>Md. Rafiqul Islam</b> , and Ravshan Z. Sabirov	Current Topics In Membranes, Elsevier (Vol. 81, Chapter 5, Page No. 125-176, Year 2018)
4.	The organic anion transporter SLCO2A1 constitutes the core component of the Maxi-Cl channel.	Ravshan Z. Sabirov, Petr G. Merzlyak, Toshiaki Okada, <b>Md. Rafiqul Islam</b> , Hiromi Uramoto, Tomoko Mori, Yumiko Makino, Hiroshi Matsuura, Yu Xie, and Yasunobu Okada	The EMBO Journal (Vol. 36, Issue 22, Page No. 3309-3324, Year 2017)
5.	Specific and essential but not sufficient roles of LRRC8A in the activity of volume-sensitive outwardly rectifying anion channel (VSOR).	Toshiaki Okada, <b>Md. Rafiqul Islam</b> , Nargiza A. Tsiferova, Yasunobu Okada, and Ravshan Z. Sabirov	Channels (Austin) (Vol. 11, Issue 2, Page No. 109-120, Year 2017)
6.	The Properties, functions, and pathophysiology of maxi-anion channels.	Ravshan Z. Sabirov, Petr G. Merzlyak, <b>Md. Rafiqul Islam</b> , Toshiaki Okada, and Yasunobu Okada	Pflugers Arch-Eur J. Physiol. (Vol. 468, Page No. 405-420, Year 2016)

7.	A newly cloned CIC-3 isoform, CIC-3d, as well as CIC-3a mediates Cd <sup>2+</sup> -sensitive outwardly rectifying anion currents.	Toshiaki Okada, Tenpei Akita, Kaori Sato-Numata, <b>Md. Rafiqul Islam</b> , and Yasunobu Okada	Cellular Physiology and Biochemistry (Vol. 33, Page No. 539-556, Year 2014)
8.	Spectral properties of a divinyl-chlorophyll a harboring mutant of Synechocystis sp. PCC6803.	<b>Md. Rafiqul Islam</b> , Koji Watanabe, Yasuhiro Kashino, Kazuhiko Satoh, and Hiroyuki Koike	Photosynthesis Research (Vol. 117, Page No. 245-255, Year 2013)
9.	Maxi-anion channel and pannexin 1 hemichannel constitute separate pathways for swelling-induced ATP release in murine L929 fibrosarcoma cells.	<b>Md. Rafiqul Islam</b> , Hiromi Uramoto, Toshiaki Okada, Ravshan Z. Sabirov, and Yasunobu Okada	Am. J. Physiol. Cell Physiol. (Vol. 303, Page No. C924-C935, Year 2012)
10.	Detection of divinyl chlorophyll a' and divinyl pheophytin a as minor key components in a marine picoplankton Prochlorococcus sp. RCC315.	Daiki Fujinuma, Shinya Akutsu, Hirohisa Komatsu, Tadashi Watanabe, Hideaki Miyashita, Koji Iwamoto, Yoshihiro Shiraiwa, <b>M. Rafiqul Islam</b> , Hiroyuki Koike, Masanobu Kawachi and Masami Kobayashi	Photomedicine and Photobiology (Vol. 34, Page No. 47-52, Year 2012)
11.	Organic-soluble antimicrobial silver nanoparticle-polymer composites in gram scale by one-pot synthesis.	A. Sreekumaran Nair, Nadappuram P. Binoy, Seeram Ramakrishna, T. R. R. Kurup, Lai Wah Chan, Cheong Hian Goh, <b>Md. Rafiqul Islam</b> , Thomas Utschig, and T. Pradeep	ACS Applied Materials & Interfaces (Vol. 1, Issue 11, Page No. 2413-2419, Year 2009)
12.	slr1923 of Synechocystis sp. PCC6803 is essential for conversion of 3,8-divinyl(proto)chlorophyll(ide) to 3-monovinyl(proto)chlorophyll(ide).	<b>Md. Rafiqul Islam</b> , Shimpei Aikawa, Takafumi Midorikawa, Yasuhiro Kashino, Kazuhiko Satoh and Hiroyuki Koike	Plant Physiology (Vol. 148, Page No. 1068-1081, Year 2008)
13.	Slr1923 of Synechocystis 6803 is related to chlorophyll a metabolism.	<b>Md. Rafiqul Islam</b> , Yasuhiro Kashino, Kazuhiko Satoh and Hiroyuki Koike	<i>Photosynthesis. Energy from the Sun: 14<sup>th</sup> International Congress on Photosynthesis</i> , Ed. J. F. Allen, E. Gantt, J. H. Golbeck and B. Osmond. Springer (Chapter 4, Page No. 1089-1092, Year 2008)

14.	Investigation of the function of a nuoE homologue, sll1220 in Synechocystis sp. PCC6803 by means of mutagenesis.	Hiroyuki Koike, <b>Md. Rafiqul Islam</b> and Kazuhiko Satoh	<i>Photosynthesis. Energy from the Sun: 14<sup>th</sup> International Congress on Photosynthesis</i> , Ed. J. F. Allen, E. Gantt, J. H. Golbeck and B. Osmond. Springer (Chapter 4, Page No. 623-626, Year 2008)
15.	Genetic diversity of saline coastal rice ( <i>Oryza sativa</i> L.) landraces of Bangladesh.	Zeba I. Seraj, Laisa A. Lisa, <b>M. Rafiqul Islam</b> , Rokeya Begum and Deepok K. Das	<i>Abiotic stress tolerance in plants: toward the improvement of global environment and food</i> . Ed. Ashwani K. Rai and Teruhiro Takabe. Springer (Section IX, Page No. 229-244, Year 2006)
16.	Genetic variation in microsatellite DNA, physiology and morphology of coastal saline rice ( <i>Oryza sativa</i> L.) landraces of Bangladesh.	Laisa A. Lisa, Zeba I. Seraj, C. M. Fazle Elahi, Keshob C. Das, Kuntal Biswas, <b>M. Rafiqul Islam</b> , M. Abdus Salam and A. R. Gomosta	Plant and Soil (Vol. 263, Page No. 213-228, Year 2004)
17.	Effect of salt, nickel chloride supplementation on the growth of silkworm, <i>Bombyx mori</i> L. (Lepidoptera: Bombycidae).	Md. Rezuhanul Islam, Md. Abdul Ohayed Ali, Dipak Kumar Paul, Shaheen Sultana, Nilufa Akhter Banu and <b>Md. Rafiqul Islam</b>	Journal of Biological Sciences (Vol. 4, Issue 2, Page No. 170-172, Year 2004)
18.	Serodiagnosis of pulmonary tuberculosis.	M. A. K. Parvez, M. Rashed Zaman, <b>M. Rafiqul Islam</b> and M. Khalequzzaman	Journal Of Applied Science and Technology (Vol. 03, Issue 01, Page No. 93-96, Year 2003)
19.	Use of polymerase chain reaction (PCR) to detect polymorphism in various rice varieties.	<b>M. Rafiqul Islam</b> , M. Jannat Bulu, M. A. K. Parvez, M. Sabir Hossain and Shamim Hossain	Journal Of Applied Science and Technology (Vol. 02, Issue 01, Page No. 35-40, Year 2001)
20.	Stable transformation of Jute ( <i>Corchorus capsularis</i> L. var CVL-1) calli and high efficiency marker gene insertion in explants.	<b>M. Rafiqul Islam</b> , Mahboob H. Khan, Fatema T. Zohra, M. Bakhtiar Hossain and Zeba I. Seraj	Plant Tissue Cult. (Vol. 9, Issue 1, Page No. 35-43, Year 1999)

21.	Transformation of an indica rice cultivar Binnatoa with Agrobacterium tumefaciens.	Noorain M. Rasul, K. Mohammad Ali, <b>M. Rafiqul Islam</b> and Zeba I. Seraj	Plant Tissue Cult. (Vol. 7, Issue 2, Page No. 71-80, Year 1997)
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Name: **Dr. Mohammad Sazzadul Islam**; Assistant Professor

Dept.: Biochemistry and Molecular Biology

Serial No.	Publication Title	Author's Name	Journal Name (Volume, Issue, Page no. and Year)
01.	Programmed expression of pro-apoptotic BMCC1 during apoptosis, triggered by DNA damage in neuroblastoma cells	<b>Md. Sazzadul Islam</b> , Ryo Takano, Tomoki Yokochi, Jesmin Akter, Yohko Nakamura, Akira Nakagawara and Yasutoshi Tatsumi.	BMC Cancer (Vol. 19, Page No. 2-11, Year 2019)
02.	Thyroid Dyshormonogenesis and Analysis of the Effects of Different Mutations on the Structural Features and Functions of TPO Protein through In Silico Approach.	Mst. Noorjahan Begum, Md Tarikul Islam, Shekh Rezwan Hossain, Golam Sarower Bhuyan, Mohammad A. Halim, Imrul Shahriar, Suprovath Kumar Sarker, Shahinur Haque, Tasnia Kawsar Konika, <b>Md. Sazzadul Islam</b> , Asifuzzaman Rahat, Syeda Kashfi Qadri, Rosy Sultana, Suraiya Begum, Sadia Sultana, Narayan Saha, Mizanul Hasan, M. A. Hasanat, Hurjahan Banu, Hossain Uddin Shekhar, Emran Kabir Chowdhury, Abu A. Sajib, Abul B. M. M. K. Islam, Syed Saleheen Qadri, Firdausi Qadri, Sharif Akhteruzzaman, and Kaiissar Mannoor.	BioMed Research International (Page No. 1-18, Year 2019)

03.	High resolution melting curve analysis targeting the HBB gene mutational hotspot offers a reliable screening approach for all common as well as most of the rare beta-globin gene mutations in Bangladesh.	Md Tarikul Islam†, Suprovath Kumar Sarkar†, Nusrat Sultana, Mst. Noorjahan Begum, Golam Sarower Bhuyan, Shezote Talukder, A. K. M. Muraduzzaman, Md Alauddin, <b>Mohammad Sazzadul Islam</b> , Pritha Promita Biswas, Aparna Biswas, Syeda Kashfi Qadri, Tahmina Shirin, Bilquis Banu, Salma Sadya, Manzoor Hussain, Golam Sarwardi, Waqar Ahmed Khan, Mohammad Abdul Mannan, Hossain Uddin Shekhar, Emran Kabir Chowdhury, Abu Ashfaqur Sajib, Sharif Akhteruzzaman, Syed Saleheen Qadri, Firdausi Qadri and Kaiissar Mannoor.	BMC Genetics (Vol. 19, Issue 1, Page No. 1-12, Year 2018).
04.	Bacterial and viral pathogen spectra of acute respiratory infections in under-5 children in hospital settings in Dhaka city.	Golam Sarower Bhuyan, Mohammad Amir Hossain, Suprovath Kumar Sarker, Asifuzzaman Rahat, Md Tarikul Islam, Tanjina Noor Haque, Noorjahan Begum, Syeda Kashfi Qadri, A. K. M. Muraduzzaman, Nafisa Nawal Islam, <b>Mohammad Sazzadul Islam</b> , Nusrat Sultana, Manjur Hossain Khan Jony, Farhana Khanam, Golam Mowla, Abdul Matin, Firoza Begum, Tahmina Shirin, Dilruba Ahmed, Narayan Saha, Firdausi Qadri, Kaiissar Mannoor.	PLoS ONE (Vol. 12, Issue 3, e0174488, Year 2017).
05.	Transcriptional regulation of BMCC1 mediated by E2F1 in neuroblastoma cells.	<b>Md. Sazzadul Islam</b> , Yasutoshi Tatsumi, Ryo Takano, Tomoki Yokochi, Jesmin Akter, Toshinori Ozaki, Yohko Nakamura, Miki Ohira and Akira Nakagawara.	Biochem Biophys Res Commun (Vol. 478, Issue 1, Page No. 81-86, Year 2016)
06.	BMCC1, which is an interacting partner of BCL2, attenuates AKT activity, accompanied by apoptosis.	Yasutoshi Tatsumi, Ryo Takano, <b>Md. Sazzadul Islam</b> , Tomoki Yokochi, Makiko Itami, Yohko Nakamura and Akira Nakagawara.	Cell Death and Disease (Vol. 6, Issue 1, Year 2015)

07.	Intracellular fragment of NLRR3 (NLRR3-SCD) stimulated ATRA-dependent neuroblastoma differentiation.	Jesmin Akter, Atsushi Takatori, <b>Md. Sazzadul Islam</b> , Atsuko Nakazawa, Toshinori Ozaki, Hiroki Nagase and Akira Nakagawara.	Biochem Biophys Res Commun (Vol. 453, Issue 1, Page 86-93, Year 2014)
08.	SSR markers linked to mite (Polyphagotarsonemus latus) resistance in jute (Corchorus olitorius).	Ajit Ghosh, Sazia Sharmin, Md. Sazzadul Islam, Minhaz Uddin Pahloan, Md. Shahidul Islam and Haseena Khan	Czech. Genet. Plant Breed (Vol. 46, Issue 2, Page No. 64-74, Year 2010)
09.	A Computational and experimental approach for developing jute ESTs from genomic clones.	Salim Ahmed, Md. Zinnatun Nabi, Md. Maksudul Alam, <b>Md. Sazzadul Islam</b> and Haseena Khan	Australian Journal of Crop Science (Vol. 3, Issue 6, Page No. 322-328, Year 2009)
10.	Identification and characterization of ribosomal S8 gene of Jute.	Salim Ahmed, Md. Maksudul Alam, <b>Md. Sazzadul Islam</b> , Md. Safiuddin and Haseena Khan	Plant Tissue Cult. & Biotech. ( Vol. 19, Issue 2, Page No. 207-215, Year 2009)

Name: **Tasmia Islam**, Assistant Professor

Dept.: Biochemistry and Molecular Biology

Serial No.	Publication Title	Author's Name	Journal Name (Volume, Issue, Page no. and Year)
1.	Altering Expression of Regulatory Genes for Enhancing Yields and Stress Tolerance in Rice	<b>Tasmia Islam</b> , Sudip Biswas, Sabrina M. Elias, Sarah Sarker, Nurnabi A. Jewel, Farida Yasmin and Zeba I. Seraj	Bioresearch Communications (Vol. 05, Issue 02, Page No. 689-694, Year 2019)
2.	Relative Response of Indigenous Rice Genotypes to Low Versus Normal Planting Density for Determination of Differential Phenotypic Plasticity in Traits Related to Grain Yield	Tokee M Tareq, M Sazzadur Rahman, Nurnabi A Jewel, <b>Tasmia Islam</b> , Hiroyuki Shimono, Zeba I Seraj	Plant Tissue Culture & Biotechnology (Vol. 28, Issue 1, Page No. 109-124, Year 2018)
3.	Characterization of Progenies from Intergeneric Hybridization Between Oryza sativa L. and Porteresiacoarctata (Roxb.) Tateoka	<b>Tasmia Islam</b> , Sudip Biswas, UmmeHabibaMita, R.H. Sarker, M. Sazzadur Rahman, M. Ansar Ali, K.M.S. Aziz and Zeba I. Seraj	Plant Tissue Culture & Biotechnology (Vol. 27, Issue 1, Page No. 63-76, Year 2017)