

Published Articles and Proceedings-

a) Journal Articles

Year	Description
২০১৯	<p>Design and development of solar dryer for food preservation</p> <ul style="list-style-type: none"> - S. Tabassum, M. S. Bashar, M. S. Islam, A. Sharmin, S. C. Debnath, S. Parveen, S. A. A. Khanom, and M. Khanam - Bangladesh J. Sci. Ind. Res. 54(2), 155-160, 2019
২০১৯	<p>Progress in Major Thin-film Solar Cells: Growth Technologies, Layer Materials and Efficiencies.</p> <ul style="list-style-type: none"> - Abu Kowsar, Mashudur Rahaman, Md. Saidul Islam, Abdullah Yousuf Imam, Sumon Chandra, Debnath, Munira Sultana, Md. Azizul Hoque, Afrina Sharmin, Zahid Hasan Mahmood, Syed Farid Uddin Farhad - International Journal Of Renewable Energy Research, Vol.9, No.2, June, 2019
২০১৯	<p>Fabrication of Synthesized ZnO/CuO Heterojunction Solar Cell Using Spin Coating Technique.</p> <ul style="list-style-type: none"> - Abdul Kuddus, Samia Tabassum and Abu Bakar Md. Ismal - Advaned Science Engineering and Medicine, Vol-11, 1-7, 2019.
২০১৯	<p>Properties of Cu₂ZnSnS₄ Thin Films Fabricated by Dip Coating Technique for Solar Cell Application</p> <ul style="list-style-type: none"> - Sabiha Dilruba, Tabassum Perveen Ananna, Afrina Sharmin, M. S. Bashar, Zahid Hasan Mahmood - American International Journal of Research in Science, Technology, Engineering & Mathematics, 26(1), March-May 2019, pp.170-178
২০১৯	<p>Influence of thickness variation of gamma-irradiated DSSC photoanodic TiO₂ film on structural, morphological and optical properties</p> <ul style="list-style-type: none"> - M. Khalid Hossain, M. T. Rahman, M. K. Basher, M. S. Manir, M. S. Bashar - Optik, Volume 178, February 2019, Pages 449-460
২০১৯	<p>Assemble of Dye Sensitized Solar Cell Based on Locally Available Natural Dye</p> <ul style="list-style-type: none"> - Samia Tabassum ,Ayesha Siddika, Munira Sultana, Mashudur Rahaman, Muhammad Shahriar Bashar - Journal of Atmospheric Science Research, Volume 02, Issue 01, January 2019
২০১৯	<p>Production And Characterization Of Biodiesel From Waste Cooking Oil Of Dhaka City</p> <ul style="list-style-type: none"> - M. HOSSAIN and A. N. M. FAKHRUDDIN - Int. j. eng. technol. (Online) 6(1): 05-11, January 2019
২০১৯	<p>Bi_{0.9}Ho_{0.1}Feo₃/tio₂ Composite thin Films: Synthesis and Study of Optical, Electrical and Magnetic Properties.</p> <ul style="list-style-type: none"> - Md. Rafiqul Islam, M. A. Zubair, M. S. Bashar& A. K. M. B. Rashid - Scientific Reports, volume 9, Article number: 5205 (2019)
২০১৯	<p>Thickness dependent correlation between structural and optical properties of textured</p>

	<p>CdSe thin film</p> <ul style="list-style-type: none"> - M. A. Zubair, M. T. Chowdhury, M. S. Bashar, M. A. Sami, and M. F. Islam - AIP Advances 9, 045123 (2019)
২০১৯	<p>Low Cost and Sol-Gel Processed Earth Abundant Cu₂ZnSnS₄ Thin Film as an Absorber Layer for Solar Cell: Annealing without Sulfurization</p> <ul style="list-style-type: none"> - Afrina Sharmin, M. S. Bashar, Samia Tabassum and Zahid Hasan Mahmood - International Journal of Thin Films Science and Technology, 8, No. 2, 65-74 (2019)
২০১৯	<p>Depositions and characterization of sol-gel processed Al-doped ZnO(AZO) as transparent conducting oxide (TCO) for solar cell application</p> <ul style="list-style-type: none"> - Afrina Sharmin, Samia Tabassum, M. S. Bashar, Zahid Hasan Mahmood - Journal of Theoretical and Applied Physics, 08 May 2019.
২০১৯	<p>Influence of Ni substitution on structural, morphological, dielectric, magnetic and optical properties of Cu-Zn ferrite by double sintering sol-gel technique.</p> <ul style="list-style-type: none"> - Mohammad Sajjad Hossain, Yeasmin Akter, Mohammad Shahjahan, Muhammad Shahriar Bashar, Most. Hosney Ara Begum, Md. Moazzem Hossain, Suravi Islam, Nazia Khatun and Md. Al-Mamun - Journal of Advanced Dielectrics, Vol. 09, No. 02, 1950020 (2019)
২০১৮	<p>Tuning nanofluids for improved lubrication performance in tuning biomedical grade titanium alloy.</p> <ul style="list-style-type: none"> - Saadman Sakib Rahman, Md. Zurais Ibne Asharaf, AKM Nurul Amin, M.S. Bashar, Md. Fardin Kabir Ashik, M. Kamruzzaman. - Journal of Cleaner Production, 18 sept. 2018
২০১৮	<p>Fabrication techniques and morphological analysis of perovskite absorber layer for high-efficiency perovskite solar cell: A review</p> <ul style="list-style-type: none"> - M.S.Jamal, M.S.Bashar, A.K. Mahmud Hasana, Zeyad A. Almutairi, Hamad F. Alharbi, Nabeel H. Alharthi, Mohammad R. Karim, H. Misran, Nowshad Amin, Kamaruzzaman Bin Sopian, Md. Akhtaruzzaman - Renewable and Sustainable Energy Reviews, Volume 98, December 2018, Pages 469-488
২০১৮	<p>Influence of natural dye adsorption on the structural, morphological and optical properties of TiO₂ based photo anode of dye-sensitized solar cell.</p> <ul style="list-style-type: none"> - M. Khalid Hossain , M.F. Pervez , M. Jalal Uddin , S. Tayyaba , M.N.H. Mia , M.S. Bashar , M.K.H. Jewel , M.A.S. Haque , M.A. Hakim , Mubarak A. Khan. - Materials Science-Poland, 36(1), 2018, pp. 93-101.
২০১৮	<p>Effect of annealing atmosphere on structural and optical properties of CZTS thin films prepared by spin-coating.</p> <ul style="list-style-type: none"> - S. Akhanda, R. Matin, M. S. Bashar, M. Sultana, A. Kowsar, M. Rahaman and Z. H. Mahmood. - Bangladesh J. Sci. Ind. Res. 53(1), 13-20, 2018
২০১৮	<p>Study of the mechanical and thermal properties of SN-9ZN and SN-8ZN-1X alloys (Where X=AL, BI and SB) as lead free soldering alloy.</p> <ul style="list-style-type: none"> - M.A. Wadud, M.A. Gafur, M.R. Qadir, M.O. Rahman. - INCOM18-124, January 2018.
২০১৮	<p>Chemical Bath Deposition of CdS layer for Thin Film Solar Cell</p>

	<ul style="list-style-type: none"> - T. Kamal, S. Parvez, K. M. Khabir, R. Matin, T. Hossain, H. Sarwar, M. S. Bashar, M. J.Rashid. - South Asian Journal of Research in Engineering Science and Technology (SAJREST) volume: 01 issue: 02.
২০১৮	<p>Annealing Effects on the Structural, Optical and Electrical Properties of Chemically Deposited CdS Thin Films using NH₄Cl Complexing Agent</p> <ul style="list-style-type: none"> - Rummana Matin, M. S. Bashar, Munira Sultana, Aninda Nafis Ahmed and A. Gafur. - International Journal of Nano electronics and Materials, Volume 11, No. 2, Apr 2018
২০১৮	<p>Production of biodiesel from neem seed oil</p> <ul style="list-style-type: none"> - S. K. Banik, M. A. Rouf T. Rabeya, M. Khanam, S. I. Sajal, S. B. Sabur² and M. R. Islam - Bangladesh J. Sci. Ind. Res. 53(3), 211-218, 2018
২০১৮	<p>Electrical, optical and structural properties of transparent conducting Al doped ZnO(AZO) deposited by sol-gel spin coating</p> <ul style="list-style-type: none"> - Kaniz Naila Tonny, Rosaleena Rafique, Afrina Sharmin, Muhammad Shahriar Bashar, and Zahid Hasan Mahmood. - AIP (American Institute of Physics) ADVANCES 8, 065307 (2018), 8 June 2018
২০১৭	<p>Cristallinity, surface morphology and chemical composition of the recast layer and rutile-TiO₂ formation on Ti-6Al-4V ELI by wire-EDM to enhance biocompatibility.</p> <ul style="list-style-type: none"> - Saadman Sakib Rahman, Md. Zurais Ibne Ashraf, M.S. Bashar, M. Kamruzzaman, A.K.M. Nurul Amin, M.M. Hossain. - The International Journal of Advanced Manufacturing Technology, December 2017, Volume 93, Issue 9–12, pp 3285–3296.
২০১৬	<p>Biogas from slaughter house waste and optimization of the process</p> <ul style="list-style-type: none"> - M. A. Rouf, M. S. Islam, T. Rabeya, A. K. Mondal, M. Khanam, P. R. Samadder and Y. Ara - Bangladesh J. Sci. Ind. Res. 51(3), 203-214, 2016
২০১৬	<p>Structural and optical properties of Cu₂ZnSnS₄(CZTS) thin films Prepared by varying copper and zinc amounts in sol-gel precursor</p> <ul style="list-style-type: none"> - Nusrat Jahan, Rummana Matin, M S Bashar, Munira Sultana, M Rahaman , M A Gafur, M A Hakim, H Kabir, MK Hossain, F Ahmed - American International Journal of Research in Science, Technology, Engineering & Mathematics, ISSN (Print): 2328-3491.
২০১৬	<p>Structural and Dielectric Properties of (Bi₂O₃Fe₂O₃)_{0.4}(Nb₂O₅)_{0.6} for Different Sintering Temperature</p> <ul style="list-style-type: none"> - Sadia Tasnim Mowri¹, M. A. Gafur, Quazi Delwar Hossain, Aninda Nafis Ahmed, Muhammad Shahriar Bashar - Scientific Research Publishing, 2016, 7, 421-429
২০১৬	<p>Microstructure evolution and electrical characterization of Lanthanum doped Barium Titanate (BaTiO₃) ceramics</p> <ul style="list-style-type: none"> - Masum Billah, A. Ahmed, Md. Miftaur Rahman, Rubayat Mahbub, M. A. Gafur, and M.

	<p>Shahriar Bashar</p> <p>- AIP Conference Proceedings 1754, 030006 (2016);</p>
২০১৬	<p>Fabrication and Characterization of Cadmium Sulfide (CdS) Buffer Layer Thin Film by Using Chemical Bath Deposition Method for Solar Cell</p> <p>- Rifat Hasan Rupom, Rummana Malin, M S Bashar, Munira Sultana, M Rahaman, A. Gafur, M A Hakim, M. K. Hossain, MR Bhuiyan, F. Ahmed</p> <p>American International Journal of Research in Science, Technology, Engineering & Mathematics, ISSN (Print): 2328-3491.</p>
২০১৬	<p>Fabrication and Characterization of Spray-Deposited Fluorine-Doped Tin Oxide Thin Film</p> <p>- Jolaikha Sultana, Munira Sultana, Rummana Matin, M. S. Bashar, M. Rahaman, A. Gafur, A. Hakim, H. Kabir, M. K. Hossain, F. Ahmed.</p> <p>- American International Journal of Research in Science, Technology, Engineering & Mathematics, ISSN (Print): 2328-3491.</p>
২০১৬	<p>Biogas from slaughter house waste and optimization of the process</p> <p>- M. A. Rouf, M. S. Islam, T. Rabeya, A. K. Mondal, M. Khanam, P. R Samadder and Y. Ara.</p> <p>- Bangladesh J. Sci. Ind. Res. 51(3), 203-214, 2016.</p>
২০১৬	<p>Structural and Electrical behavior of Zn Substituted Li-Ni Ferrite Synthesized by Double Sintering Technique.</p> <p>- Abdullah Al Noman, Humayun Kabir, Md. Mamun-Or- Rashid, M.S. Bashar, Mashudur -Rahman, Md. Abdul Gafur, A.T.M.K. Jamil, Syed Jamal Ahmed, Md. Rakibul Qadir, Farid Ahmed</p> <p>- J. Chem. Bio. Phy. Sci.Sec.C, November 2015- January 2016, Vol.6, No.1; 113-123</p>
২০১৫	<p>Biodiesel production from non-edible Mahogany seed oil by dual step process and study of its oxidation stability.</p> <p>- SMS Rana, MA Haque, S Poddar, SMA Sujana, M Hossain, MS Jamal</p> <p>- J. Sci. Ind. Res. Vol.50 (2), PP; 77-86, 2015.</p>
২০১৫	<p>Analysis of Gas Condensate and its Different Fractions of Bibiyana Gas Field to Produce Valuable Products.</p> <p>- S. M. A. Sujana, M. S. Jamal, Mahfuza Khanam, M. Hossain</p> <p>- J. Sci. Ind. Res. Vol.50 (1), PP; 59-64, 2015.</p>
২০১৫	<p>Optical, Structural and Morphological Properties of Spin Coated Copper Zinc Tin Sulfide Thin Films.</p> <p>- S. Islam, M.A. Hossain, H. Kabir, M. Rahman, M. S. Bashar, M.A. Gafur, A.Kabir, M.M.R. Bhuiyan, F. Ahmed, N. Khatun</p> <p>- Journal of Thin Films Science and Technology.4, No. 3, 155-161(2015)</p>
২০১৫	<p>Production of Bio-diesel from Pithraj (Aphanamixis polystachya) seed oil .</p>

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২০১৫	<p>Electrical and Dielectric Properties Characterization of (BaTiO₃)_{1-x}(SrTiO₃)_x</p> <ul style="list-style-type: none"> - Md. Mansur Ali, Mohammad Obaidur Rahman, M. A Gafur, M.S. Bashar - Full Paper Proceeding MI- BEST- 2015, Vol. 1, 128-140
২০১৫	<p>Preparation and Characterization of activated carbon & amorphous silica from rice husk</p> <ul style="list-style-type: none"> - M.T. Rahaman, M.A. Haque, M.A. Rouf, M.A.B. Siddique and M.S. Islam - Bangladesh J. Sci. Ind. Res. 50(4), 263-270, 2015
২০১৫	<p>Anaerobic digestion of mixed dried fallen leaves by mixing with cow dung</p> <ul style="list-style-type: none"> - M.A. Rouf, M.S. Islam, T. Rabeya, A.K. Mandal - Bangladesh J. Sci. Ind. Res. 50(4), 263-270, 2015
২০১৫	<p>Analysis of Theoretical Efficiencies of GaInP₂/GaAs/Ge Multijunction Solar Cell</p> <ul style="list-style-type: none"> - Abu Kowser, Md. Abul Hossain, Md. Shofikul Islam, Afrina Sharmin and Zahid Hasan Mahmood. - Dhaka University Journal of Applied Science and Engineering, Volume: 3, No: 1, January, 2015
২০১৫	<p>Study of the Electric Properties of PalmFiber-Reinforced Acrylonitrile butadiene Styrene Composites.</p> <ul style="list-style-type: none"> - Barun Neher, Md. Mahbubur Rahman Bhuiyan, Md. Abdul Gafur, Humayun Kabir, Md. Azizul Hoque, Muhammad Shahriar Bashar, Farid Ahmed and M. Abul Hossain. - Journal of Reinforced Plastics and Composites, Vol. 34(15) 1253-1260, 2015.
২০১৫	<p>Design and Analysis of Different Types of Rotors for Pico-Turbine</p> <ul style="list-style-type: none"> - Samia Tabassum, , Mashudur Rahaman, Muhammad Shahriar Bashar, Md. Saidul Islam, Afrina Sharmin, Abdullah Yousuf Imam, Azizul Hoque, Nahid Mahbub, Sayeda Khatun, Mahfuza Khanam. - Smart Grid and Renewable Energy, 2015,6,141-147
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২০১৪	<p>Comparative Study on the Efficiencies of Silicon Solar Cell</p> <ul style="list-style-type: none"> - Abu Kowser, Abdullah Yousuf Imam, Mashudur Rahaman, Muhammad Shahriar Bashar, Md. Saidul Islam, Sumona Islam, Nowrin Akter Surovi and Zahid Hasan Mahmood. - IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861. Volume 6, Issue 6 (Nov. - Dec. 2014), PP 13-17
২০১৪	<p>Electrical and Dielectrical Properties Characterization of (BaTiO₃)_{1-x}(SrTiO₃)_x.</p> <ul style="list-style-type: none"> - Md. Mansur Ali, Muhammad Obaidur Rahman, M.A. Gafur, M.S. Bashar - Globalilluminators Publishing, MI-BEST-2015, Vol. 1,128-140 - IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861. Volume 6, Issue 6 (Nov. - Dec. 2014), PP 13-17
২০১৪	<p>Anaerobic digestion of tannery solid waste by mixing with different substrates</p> <ul style="list-style-type: none"> - Basak SR, Rouf M A, Hossain M D, Islam M S and Rabeya T - Bangladesh J. Sci.Ind. Res. 49(2),119-124, 2014
২০১৪	<p>p-Hydroxycinnamic acid Isolated from stem bark of Stereospermum chelonoides</p>

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২০১৪	<p>Physico- Chemical Properties and Application of Biodiesel Produced from Non-edible Rubber (<i>Hevea brasiliensis</i>) Seed Oil through Trans-esterification</p> <ul style="list-style-type: none"> - Md. Asraful Islam, Md. Aminul Haque, Md. Mamdudur Rahman, Mohammad Ismail. Mosharof Hossain, S. M. A. Sujan, M. S. Jamal - Jagannath University Journal of Science. Vol.02 (I) PP; 107-115, ISSN2224-1698. 2014
২০১৪	<p>Damp heat stability of AZO transparent electrode and influence of thin metal film for enhancing the stability</p> <ul style="list-style-type: none"> - Samia Tabassum , Eiji Yamasue •, Hideyuki Okumura , Keiichi N. Ishihara - J Mater Sci: Mater Electron (2014) 25:3203–3208;
২০১৪	<p>Sol–gel and rf sputtered AZO thin films: analysis of oxidation kinetics in harsh environment</p> <ul style="list-style-type: none"> - Samia Tabassum , Eiji Yamasue , Hideyuki Okumura , Keiichi N. Ishihara - J Mater Sci: Mater Electron
২০১৪	<p>Effect of Compression Pressure on Lignocellulosic Biomass Pellet to Improve Fuel Properties: Higher Heating Value.</p> <ul style="list-style-type: none"> - Saumen Poddar, Mohammed Kamruzzaman, S.M.A. Sujan, M. Hossain, M.A. Gafur, Mahfuza Kanam, M.S. Jamal. - FUEL (Elsevier), Fuel 131 (2014) pp43–48
২০১৪	<p>Extraction of Crude Rubber Oil from Rubber Seed and Production of Biodiesel.</p> <ul style="list-style-type: none"> - Hossain Mokbul, Md. Moniruzzaman, S M A Sujan, Mosharof Hossain, M. S. Jamal - Journal of Biofuels, Year : 2014, Volume : 5, Issue : 1, P 16- 23, Print ISSN : 0976-3015.
২০১৪	<p>Anaerobic digestion of tannery solid waste by mixing with different substrates.</p> <ul style="list-style-type: none"> - S.R Basak M. A, Rouf, M.D Hossain , M .S Islam and T.Rabeya - Bangladesh J. Sci.Ind. Res. 49(2),119-124, 2014
২০১৩	<p>Optical and Morphological Characterization of BaSe Thin Films Synthesized via Chemical Bath deposition.</p> <ul style="list-style-type: none"> - Md. Salahuddin Mina, Humayun Kabir, M. Mahbubur Rahman , Md. Alamgir Kabir, Mashudur Rahaman, Muhammad Shahriar Bashar , Md. Saidul Islam , Afrina Sharmin, Farid Ahmed. - IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN: 2278-4861. Volume 4, Issue 5 (Sep. - Oct. 2013), PP 30-35
২০১৩	<p>An Approach to Produce Biodiesel from Nonedible Mehogony Seed (<i>Swietenia Macrophylla</i>) Oil Through Pre-Esterification and Trans esterification.</p> <ul style="list-style-type: none"> - S.M. Sohel Rana, Md. Aminul Haque, Mosharof Hossain, S.M.A. Sujan, M.S. Jamal, Md. Ashraful Islam - Jagannath University Journal of Science. Vol.02 (II) PP; 37-44. ISSN2224-1698
২০১৩	<p>Study on bio-methanation using poultry dropping with cow dung</p> <ul style="list-style-type: none"> - Pulak A.N, Lutfor R.A.K.M, Rouf M.A, Islam MM.S, Rabeya T.and Samad A - Jagannath University Journal of Science, Volume 2, Number-II, 1-9 July 2013
২০১৩	<p>Magnetic, Dielectric and Electrical Properties of Lithium-Magnesium Ferrites</p> <ul style="list-style-type: none"> - Mithun Kumar Das, M. Mahbubur Rahman, Banalota Moonmoon Sonia, Farid Ahmed,

	<p>Md. Abul Hossain, Mashudur Rahaman, M. Shahriar Bashar, Tofazzal Hossain, D. K. Saha and Shireen Akhter;</p> <ul style="list-style-type: none"> - Advanced Chemistry Letters, Vol. 1, pp. 1–7, 2013.
২০১৩	<p>Dissemination of Domestic Biogas Plants in Bangladesh - Current State, Problems faced and Barriers.</p> <ul style="list-style-type: none"> - Hamid, M.R. Haque, M.N. Rouf, M.A. Islam, M.S. - International J. Sci. Eng. Res. 4 (3), 2013
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২০১৩	<p>Characterization of Effluents of Leather Industries in Hazaribagh area of Dhaka City.</p> <ul style="list-style-type: none"> - Rouf, M.A. Islam, M.S. Haq, M.Z. Ahmed, N. Rabeya, T. - Bangladesh J. Sci. Ind. Res. (accepted), 2013
২০১৩	<p>Antioxidant Effect on Oxidation Stability of Blend Fish Oil Biodiesel with Vegetable Oil Biodiesel and Petroleum Diesel Fuel.</p> <ul style="list-style-type: none"> - M. Hossain, S.M.A Sujan, M.S. Jamal. - Int Journal of Renewable Energy Development (IJRED)., Vol 2, No 2 (2013):pp75-80.
২০১৩	<p>Enzymatic Saccharification of Bagasse: Effects of Different Pre-treatment Methods.</p> <ul style="list-style-type: none"> - Md. Moniruzzaman, Md. Zahangir Alam, S M A Sujan, Mosharof Hossain, M. S. Jamal; - International Journal of Renewable Energy Research (IJRER); Vol3, No 2 (2013)
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২০১২	<p>Trend of Ambient Air Quality in Chittagong City.</p> <ul style="list-style-type: none"> - Rouf, M.A. Nasiruddin, M. Hossain, A.M.S. Islam, M.S. - Bangladesh J. Sci. Ind. Res. 47 (3): 287-296, 2012
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২০১১	<p>Bio-oil from pyrolysis of Bagasse.</p> <ul style="list-style-type: none"> - M. Saiful Islam, M. S. Jamal, M. Yunus Miah, Mohammad Ismail, M. Saha - DUJASE, Vol 2(1), PP;17-20 (2011)
২০১১	<p>Bio-oil from Pyrolysis of rice husk.</p> <ul style="list-style-type: none"> - Islam M. Saiful, Jamal M.S., Sujan S. M. A., Ismail M., Miah M. Yunus - Journal of Biofuels, India, Volume : 2, Issue : 1 (2011)
২০১১	<p>Optimization of Aeration Technique for the Reduction of Impurities (Corrosive Gases) from Biogas.</p> <ul style="list-style-type: none"> - S. M. A. Sujan, M. S. Bashar, M. Rahaman, M.N.Haque, M. S. Jamal, M. Y. Miah.

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২০১২	<p>Composition, Temperature and Frequency Dependent Magnetic, Dielectric and Electrical Properties of Magnesium-Zinc Ferrites</p> <ul style="list-style-type: none"> - M. Mahbubur Rahman, Md. Shahin Sheak, Soheli Pervin, Nasir Uddin, Farid Ahmed, Md. Abul Hossain, Mashudur Rahaman, M. Shahriar Bashar, Tofazzal Hossain and Shireen Akhter. - Journal of Bangladesh Academy of Sciences, Vol. 36, No. 2, 199-212, 2012
২০১১	<p>Pretreatment of Bagasse using Ball Mill for Ethanol Production by Enzymatic Saccharification and Fermentation Technology.</p> <ul style="list-style-type: none"> - M. S. Jamal, Md. Yunus Miah, S.M. Asaduzzaman Sujan, Md. Shakir Uddin Ahmed, Badrunessa Feroza. - Bangladesh Journal. Sci. Ind., Ref no & Date: Vol.46 (3), PP; 353-358, 2011.
২০১১	<p>Bio-oil from pyrolysis of Bagasse</p> <ul style="list-style-type: none"> - M. Saiful Islam, M. S. Jamal, M. Yunus Miah, Mohammad Ismail, M. Saha - DUJASE Ref no & Date: Vol 2(1), PP;17-20,2011
২০১১	<p>Bio-oil from Pyrolysis of rice husk</p> <ul style="list-style-type: none"> - Islam M. Saiful, Jamal M.S., Sujan S. M. A., Ismail M., Miah M. Yunus, Saha M. - Journal of Biofuels, India Ref no & Date: Volume : 2, Issue : 1, First page : (1) Last page : (7) Year: 2011
২০১০	<p>Production of Bio-oil from municipal solid waste by pyrolysis.</p> <ul style="list-style-type: none"> - Muhammad Saiful Islam, M. S. Jamal, Md. Yunus Miah, Mohammad Ismail, Sujit Kumar Banik , Manoranjan Saha. - Bangladesh Journal. Sci. Ind., Ref no & Date: Vol.45 (2), PP; 91-94, 2010
২০১০	<p>Performance of different catalysts on biodiesel production from Jatropha Curcas oil through trans-esterification.</p> <ul style="list-style-type: none"> - S.M.Asaduzzaman Sujan, M.S. Jamal, Md. Naimul Haque - Bangladesh Journal. Sci. Ind., Ref no & Date: Vol.45 (2), PP; 85-90, 2010
২০১০	<p>Studies of the performance of different catalysts on biodiesel production from Jatropha curcas through transesterification</p> <ul style="list-style-type: none"> - S. M. Asaduzzaman Sujan, Mohammad Shah Jamal, Md. Naimul Haque, Md. Yunus Miah - Bangladesh J. Sci. Ins. Res. 45(2), 85-90, 2010.
২০০৯	<p>An approach to produce Biodiesel from non-edible Jatropha curcas oil through dual step process: preesterification and transesterification</p> <ul style="list-style-type: none"> - S. M. Asaduzzaman Sujan, Shizuko Hirata, Tomoaki Minowa has been - Bangladesh J. Sci. Ins. Res. 44(3), 347-352, 2009.

b) Conference Proceedings

Year	Description
২০১৮	<p>Renewable Energy Technology (Biogas Plant) development, dissemination and assessment by IFRD, BCSIR and its environmental impact.</p> <ul style="list-style-type: none"> - S.M.A. Sujan, M.S, Jamal. M. Hossain - 1st International Conference on Biological and Environmental Research Development, Challenges and Future Progress (ICBER 2018), 16-17 September 2018
২০১৮	<p>Experimental study of the optical properties of Cu₂ZnSnS₄ thin film absorber layer for solar cell application.</p> <ul style="list-style-type: none"> - S I Swati, R Matin, S Bashar and Z H Mahmood - IOP Conf. Series: Journal of Physics: Conf. Series 1086 (2018) 012010
২০১৬	<p>Design of a 1 MW Solar Hybrid Power Plant for Uninterrupted Power Supply for Ceramic Industry.</p> <ul style="list-style-type: none"> - Abu Kowsar, Muhammad Shahriar Bashar, Md, Saidul Islam, Abdullah Yousuf Imam and Mashudur Rahaman - 14th annual conference, Bangladesh Ceramic Society, BCSIR, 31 Dec. 2015- 1 Jan. 2016
২০১৪	<p>Performance Study of Different Solar Dryer for Food Preservation in Bangladesh.</p> <ul style="list-style-type: none"> - M. Khanam, S. Khatun, M.S. Bashar, M. Rahaman, S, Tabassum, M.S. Islam and A. Sharmin - International Conference on Physics for Energy and Environment, Bangladesh Physical Society, 06-08 March, 2014, Atomic Energy Center, Dhaka.
২০১৪	<p>Optical Characterization and Surface Morphology of Chemical Bath Deposited BaSe Thin Films</p> <ul style="list-style-type: none"> - M. Khanam, M.S. Mina, F. Ahmed, M.S. Bashar, M. Rahaman, H. Kabir, M.S. Islam and A. Sharmin - International Conference on Physics for Energy and Environment, Bangladesh Physical Society, 06-08 March, 2014, Atomic Energy Center, Dhaka.
২০১৪	<p>Design and Optimization of Turbine Blade for Low Speed Wind</p> <ul style="list-style-type: none"> - M. Khanam, N. Mahub, F. Ahmed, M.S. Bashar, M. Rahaman, S. Tabassum, M.S. Islam and A. Sharmin - International Conference on Physics for Energy and Environment, Bangladesh Physical Society, 06-08 March, 2014, Atomic Energy Center, Dhaka.
২০১৪	<p>Synthesis and Characterization of Zn Substituted Li-Ni Ferrite</p> <ul style="list-style-type: none"> - M. Khanam, M. A. Gafur, A. A. Noman, F. Ahmed, M.S. Bashar, M. Rahaman, H. Kabir, M.S. Islam and A. Sharmin - International Conference on Physics for Energy and Environment, Bangladesh Physical Society, 06-08 March, 2014, Atomic Energy Center, Dhaka.
২০১২	<p>Optimization of Reaction condition for rubber seed oil biodiesel and improvement of oxidation stability by addition of phenolic antioxidant.</p> <ul style="list-style-type: none"> - Md. Asraful Islam, Md. Aminul Haque, Mosharof Hossain, S. M. A. Sujan, M. S. Jamal, - Bangladesh Chemical Congress. 2012
২০০৯	<p>Reduction of Hydrogen Sulfide (H₂S) from Poultry Based Biogas by Aeration Technique.</p> <ul style="list-style-type: none"> - Muhammad Shahriar Bashar - "1st International Conference on the Developments in Renewable Energy Technology

	(ICDRET 2009)" on 17-19th December, 2009 organized by United International University.
২০০৯	<p>Preparation and Characterization of Activated Carbon from Jatropha Seedcake (Bio-diesel by-products).</p> <ul style="list-style-type: none"> - Md. Saiful Islam - BCSIR seminar on 15 October, 2009.
২০০৯	<p>Reduction of Hydrogen Sulfide (H₂S) from Poultry Based Biogas by Aeration Technique.</p> <ul style="list-style-type: none"> - Muhammad Shahriar Bashar, Md. Naimul Haque, Dr. Md. Yunus Miah, Mashudur Rahaman, S M Asaduzzaman Sujon, Sujit Kumar Banik. - "1st International Conference on the Developments in Renewable Energy Technology (ICDRET 2009)", ISBN 978-984-33-0616-6, P(261-263).