

# List of Published Papers at WasteSafe 2015, 4<sup>th</sup> International Conference

## Keynote Papers

S/N	Title of the Paper	Author	Country
1.	Technical evolution and modern role of landfilling in waste management strategies: from open dump to geological repository	<i>Prof. Raffaello Cossu</i>	Italy
2.	Dealing with Emerging Urban Waste Streams: A Case of Tyre Waste Management	<i>Prof. C. Visvanathan</i>	Thailand
3.	Anaerobic Degradation of Biodegradable Materials - Development of a Test Method for Laboratory and Field	<i>Prof. Eckhard Kraft</i> , Daniela Ernst and Thomas Haupt	Germany
4.	Change of Solid Waste Management for recent 20 years in Japan	<i>Prof. Toshihiko Matsuto</i>	Japan

## Other Scientific Papers Published at WasteSafe 2015, 4<sup>th</sup> International Conference

S/N	Title of the Paper	Author	Country
1.	Estimation of Methane Emission From Solid Waste of Chittagong City, Bangladesh	Md. Nahidul Hasan	BD
2.	Recycling Practices of Solid Waste In Bagerhat City of Bangladesh	Samonty Das, S. M. Moniruzzaman and Mehedi Hasan Mishuk	BD
3.	Studies on recycled Coarse Aggregate as a Partial or Full Replacement of coarse Aggregate in Concrete Production Using Fine Aggregate of Fm 1.23.	Tafsirojjaman, Kazi Mohammad Taha and Md. Hafizul Haque	BD
4.	Effect of acid neutralization on fermentative production of ethanol using crude glycerol as substrate	Chozhavendhan Sivasakaran, Praveen Kumar Ramanujam, Kirubalini Govindaraji, Lokeshwari Rajarajan, Bharathiraja Balasubramanian and Jayakumar Mani	India
5.	Safe Use of Ecosan Toilet Derived Human Excreta as Organic Fertilizer at Farmer's Field: A Case Study	Muhammad Mosleh Uddin, Md. Anowar Hossain Bhuyan, Abdullah Al Mamun and Kunio Takahashi	BD
6.	Engineering behavior of Solid Waste Improved by Sand	Md. Ariful Hossain	BD

S/N	Title of the Paper	Author	Country
7.	Sustainable Municipal Solid Waste Management Options for Khulna City	Jarin Tasnim Jisa and K. M. Mohiuddin Ekram	BD
8.	Development of Solid Waste Management Guideline for a University Campus In Bangladesh	Sagufta Mehnaz, Mst. Marufa Khondoker and Prof. Dr. Mohammed Alamgir	BD
9.	Waste Management Models and their Application to Sustainable Waste Management in a Mega City Like Dhaka	Shahadat Hossain, Anika Sarkar, Sa'ad Abd Ar Rafie and Saiful Haque Rahat	BD
10.	Nitrous oxide Production during Nitrification from Organic Solid Waste under Different Oxygen conditions	Mitali Nag, Takayuki Shimaoka and Teppei Komiya	Japan
11.	Design of an Automated Waste Transportation Vehicle Using Robotic Manipulator	MD. Hafizur Rahman and Momena Monwar	BD
12.	Indicator Development for Waste-to-Energy Technology Selection in Developing Countries – Case Study on Phnom Penh Capital City of Cambodia	Munsol Ju, Jaemaro Han, Sarith Mam and Jae Young Kim	Cambodia
13.	Characterization of textile sludge and its recycling potential in the brick-manufacturing process	Turna Barua and Umme Aulia Munira	BD
14.	Management of Bone Waste in Dhaka City	Md. Latifur Rahman Siddique, Reyad Morshed, Shihab Partha, Protim Biswas and Professor Dr. Quazi Hamidul Bari	BD
15.	Quantitative Mineral Phase Composition Analysis in Assisting the Development of Metal stabilization and Recovery Techniques	Kaimin SHIH, Xiuqing LU and Minhua SU	Hong Kong
16.	Effect of the Combination of Lime and Rice Husk on the Durability of Khulna Clay	Moythely Roy, Dr. Md. Rokonuzzaman and Debashis Sarker	BD
17.	State Analysis of the Functional Elements of Medical Waste Management in Chittagong City	T. M. Atiqur Rahman, Md. Abul Bashar and Imran Haider	BD
18.	E-Waste Management Practice in Khulna City and Proposal for Sustainable Development	Khaled Mahmud Rana, Tanjila Ferdousi and Dr. Kh. Mahbub Hassan	BD
19.	Awareness of General Public on Generation And Management of Domestic Solid Waste In Sri Lanka; A Case Study In Three Grama Niladari (Gn) Divisions in the Gampaha District	W. M. Dimuthu Nilmini Wijeyaratne	Sri Lanka

S/N	Title of the Paper	Author	Country
20.	Solid Waste Recycling For Better Living Environment in Rangamati Municipality	Md. Tanveer Rahman Mollah, Muhammad Shamsul Alam and Muhammad Rashidul Hasan	BD
21.	Categorization of Disused Sealed Radioactive Source (DSRS) for Radioactive Management in Bangladesh	D. Paul, M. I. Ali, M. M. H. Bhuiyan, S. Paul, M. A. Haydar, S. M. Shome, B. C. Sutradharand and M. L. Ali	BD
22.	Solid Waste Management in Nowapara Municipality of Bangladesh	Md. Ikramul Hoque and Rumana Naznin	BD
23.	Predicting the Amount of Municipal Solid Waste Using Artificial Neural Network: A Case Study of Dhaka	Muztoba Ahmad Khan	BD
24.	Green Energy Production From Waste Cooking Oil By Applying Methylesterfication Via Subcritical Hydrolysis	Md Sufi Ullah Siddik Bhuyan, Taeha Kim, Yongchan Seo and Younghwan Chu	BD/ South Korea
25.	Municipal Solid Waste Management in Sylhet City Corporation	Salma A. Iqbal, Farzana Tasnim, Aminur R. Chowdhury, Md. Ashraful Islam	BD
26.	Waste Collection Systems In Rajshahi City based on Conventional Open Truck and Tractor-Trailersystem: A Comparative Analysis	A.S.M. Riyad and Md. Zahur-Uz-Zaman	BD
27.	Solid Waste Management at CUET Campus, Raozan, Chittagong	Mahmuda Yasmin, Shunil Kumar and Md. Abdullah-Al-Masud	BD
28.	Assessment of Urban Facilities Development of Dhaka City	Abu Anjum Sourov, Dr. Abdullah Al-Muyeed, Md. Saifur Rahman and A. K. M. Zahidur Rahman	BD
29.	Utilization of Solid Waste from Paper Industry: Bangladesh Perspective	Sudipto Chakraborty, Taif Mahmud, Md. Moinul Islam and Md. Saiful Islam	BD
30.	Residential Solid Waste Collection System and Its Efficiency at Siddheswari-Dhaka; A Case Study	Quazi Shammash Sayeed, S. M. Moniruzzaman, Nurun Nahar Khan and Farhana Chowdhury	BD
31.	Role of Waste Management in Food Green City For Urban Sustainability	Dr. Sunil Babu Shrestha and Dr. Marina Vaidya Shrestha	Nepal
32.	Comparative production ofFAAE from S-ZrO <sub>2</sub> & H <sub>3</sub> PO <sub>4</sub> pretreated WCOusing pure lipase and whole cell RO262 catalysis	B.Bharathiraja, R.Praveenkuma , M.Chakravarthy, R.Ranjith Kumar, D.Yogendran and J.VinothArulraj	India
33.	Minimization of Solid Waste generated During Liming Process in Beamhouse Operation through Enzymatic Treatment	Subrata Paul, Nil Ratan Mondal and Sujit Kumar Ray	BD
34.	Assessing the Environmental Effects of Solid Waste in Barisal City of	Md. Shafiqul Islam, Tania Yeasmin, Md. Hamidul Islam	BD

S/N	Title of the Paper	Author	Country
	Bangladesh	and Md. Mir Al-Amin	
35.	Solid waste Management in Khulna City Corporation (KCC) Area, Bangladesh: Review on Present Problems of Waste Management, their Solutions and Optimizing Management Cost	Mehedi Islam, Md. Ferdaus Hasan, and Md. Nahid Hasan	BD
36.	Optimization of the Strength and Permeability of Waste Concrete and Its Applicability in Construction Industry	Saiful Islam, Abu Sayed and Md. Kamrul Ahsan	BD
37.	Medical Waste Management Practice in Jessore Town of Bangladesh: An Empirical Enquiry	Md. Saddam Hossain, Md. Alamgir Hossain and Dr. Kh. Mahbub Hassan	BD
38.	Seasonal Variation of Heavy Metal In Top Soils of Irrigated Land And Irrigation Chanel	Farukuzzaman and Dr. A.B.M. Badruzzaman	BD
39.	Study of Plastic Waste Management In Sylhet City	Prof. Salma A. Iqbal, Ahmed Nazmus Sakib and Raihan Ahamed	BD
40.	Technical Performance Analysis In Solid Waste Management: Experience of Chittagong City Corporation	Muhammad Rashidul Hasan and Md. Rezuhanul Islam	BD
41.	Metal Recovery From Waste Dry Cell Batteries	Md. Hasib Al Mahbub, Nandini Deb, Muhammad RaisulAbedin, Shamsul Abedin, Mohidus Samad Khan	BD
42.	The Impact of Faridpur Sugar Mill Effluents on Chandana River	Dr. Khondoker Mahbub Hassan, Kazi Samrat and Azrina Karima	BD
43.	To Investigate The Improvement of Physical, Chemical. And Biological Quality of Tannery Waste at Different Stage of Conventional Treatment	Kazi Moinul Islam, Mostafizur Rahman and A M Feroze Rashid	BD
44.	Performance Study of Solid Waste Management of Non-Government Organization in Khulna city of Bangladesh: a Comparative Analysis	Tamzidul, K.I, Rafizul, I.M., Emran, H. and Mainul, M.B.	BD
45.	Household Involvement of Solid Waste Management in Khulna city: A Case Study	Mainul, M.B., Rafizul, I.M., Tamzidul, K.I and Emran, H.	BD
46.	Energy Recovery Potential from Municipal Solid Wastes in Khulna City	Md. Sayed Rahman, Abdus Samad, S. M.Nur-E-Alam, S. M. Moniruzzaman	BD
47.	Municipal Solid Waste is not Merely a Looming Threat of Proper disposal, rather could be a Future Alternative Support to Energy Source of	Masud Mahmud Choton and Dr. Kh. Mahbub Hassan	BD

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	Bangladesh		
48.	Present Practice of Solid Waste Management and Proposals for Improvement: Dhaka and Khulna City Perspective	Tanisa Tasmim Sinthia, Dr. Khondoker Mahbub Hassan, Damayontee Roy, Nusrat Zahan Luna	BD
49.	Assessment of Stabilization, Temporal Variation and Leachate Contamination Potential of Solid Waste Disposal Sites in Bangladesh	Hosan Saddam, Islam M.Rafizul and Muhammed Alamgir	BD
50.	Treatment of Landfill Leachate through Coagulation Process	Mohidul Islam, Islam M. Rafizul and Muhammed Alamgir	BD
51.	Study on Effluents From Mobarakganj Sugar Mills: Environmental and Health Consequences	Faria Alam and Dr. Kh. Mahbub Hassan	BD
52.	The Bauhaus-Project	Prof. Liz Bachhuber	Germany
53.	Decentralized, anaerobic digestion technologies- possibilities of wastewater and waste treatment with combined energy recovery and environmental conservation	Tobias Wätzel, Karin Lippelt, Patrick Engel and Eckhard Kraft	Germany
54.	Enhanced Pretreatment, Characterization and Utilization of <i>Proposis Juliflora</i> Stem for Bioethanol Production	S. Sivarathnakumar, B. Bharathiraja, R. Praveen Kumar, S. Chozhavendhan and G. Baskar	India
55.	Copper-immobilized Platinum (Pt) electrocatalyst for the effective reduction of nitrate in a low conductive medium: Mechanism, adsorption thermodynamics and stability	M. Saiful Alam, M. A. Hasnat, Asif Rayhan and M. M. Alam	BD
56.	Study on Sanitation System at Muradia Union of Dumki Upazilla in Patuakhali District	Md.Hamidul Islam, Rabeya Akter Naznin, Nipa Datta, H.M.Solayman, RobiulHasan and Sourov Paul Jitu	BD
57.	RS and GIS Based Site Suitability Analysis for Solid Waste Disposal A multi criteria analysis of Khulna City area	S. Khan, S. Hossain and I. Jahan	BD
58.	Reusing and Recycling Practice of Old Furniture in Dhaka	Sudipta Chakraborty, Q. Hamidul Bari. Md. Alamin, Avishek Ghosh and S. M. Tariqul Islam	BD
59.	Effect of utilization of compost on the water holding capacity of soil	S. W. Faisal, S. J. A. Ratul, G. H. Muib and Q. H. Bari	BD
60.	Use of Steel Making Slagas a Soil Conditioner to Improve the Satbility of Soil for Land Developments	T. Rahaman, S. Hossain and N. Uddin	BD

<b>S/N</b>	<b>Title of the Paper</b>	<b>Author</b>	<b>Country</b>
61.	Study on construction and demolition waste management in Dhaka	F. Hassan, Q. H. Bari, M. I. Rahman and S. B. Mahmud	BD
62.	Medical Waste Management: A Review	Sudipto Chakraborty	BD
63.	Waste Management Situation and Its Health Consequences in Old Age Homes of Kathmandu Valley, Nepal	Dr. Marina Vaidya Shrestha and Dr. Sunil Babu Shrestha	Nepal
64.	Biowaste Treatment in Developing Countries: An Inventory Data Sheet on Composting And Anaerobic Digestion	Andrea Perteghella, Carlo Collivignarelli, Christian Riu Lohri, Mentore Vaccari and Christian Zurbrügg	Italy + Switzerland
65.	Methodological Approach for an Appropriate Preliminary Design of a Pilot Biodigester for a University Campus	Carlo Collivignarelli, Mentore Vaccari, Francesco Vitali, Antonio Cumbane and Vito Pignatelli	Italy
66.	Compare the Performance of Two Different Dewat Plants in Khulna	Shuma Rani Saha and Muhammed Alamgir	BD
67.	An Investigation into the Green Business Opportunity for the New Entrepreneurs in the Municipal Wastes Recycling Sector of Bangladesh	Ohidul Alam, Mohammad Mosharrif Hossain and Mohammed Abdullah Al Mamun	BD
68.	Case Study on the Solid Waste Management of Rajshahi City, an Idea to It's Recycling & Probable Measures for It's Management	Md. Ashraful Imran and Md. Tariqul Islam	BD
69.	Case Study on the recent solid waste management scenario in Rangpur city, Bangladesh	Md. Moshir Rahman Misu Shah, Zannatun Ferdous Jui and Rashed Mahamud Nayan	BD
70.	Review on Present Strategies of Household Solid Waste Management and Improvement of Recycling and Disposal Strategies in Khulna City Corporation Area, Bangladesh	Md. Ferdous Hasan, Mehedi Islam and Dr. Md. Rafiquzzaman	BD
71.	Effects of Solid Waste and Effluent on Water Quality of Turag River at Konabari Industrial Area in Bangladesh	Md. Sirajul Islam and Tanmoy Roy Tusher	BD
72.	Pharmaceutical Waste Water Treatment and the Efficiency of ETP in Context of Bangladesh	Md. Ferdous Zaman, Most. Sharmin Akter and I. B. Muhit	BD
73.	Impact of sewage-pollution discharged to Ajoy, Ganga rivers and their confluence: with reference to water quality and fish diversity in Burdwan region	Dr. Tapati Bhattacharya and Dr. Kamal Ray	India

S/N	Title of the Paper	Author	Country
74.	Life Cycle Assessment of Market Solid Waste and Its Management Scheme: A Case Study in Khulna City	Ebna Forhad Mondol, Md. Rakib and Dr. Kh. Mahbub Hassan	BD
75.	The Scenario of Faecal Sludge Management in a Ward of Khulna City Corporation	Md. Mazharul Islam, Kartick Chandra Gain, Nurun Nahar Khan and Muhammed Alamgir	BD
76.	Study on Social and Environmental Impacts of Steering and Non Steering Vehicles (Tomtoms)	Md. Hamidul Islam, Md. Mahmudul Hasan, Ruma Khanam, Md. Ibrahim and Md. Shafiqul Islam	BD
77.	Seasonal Variation and Water Quality Assessment of Bhairab River in Khulna, Bangladesh	M. Javed Iqbal, M. Abdur Rahim, Debashis Sarker and M. Rafizul Islam	BD
78.	Water Supply, Sanitation and Waste Management Scenario of Dacope, Khulna: Problems and Prospects	Rahul Dev Paul, Md. Mahidul Islam and Muhammed Alamgir	BD
79.	Investigation of Water Quality in River Mour as a Part of Estimating the Pollution Level in Khulna City	Md. Mridul Hossain, Sabbir Ul Islam and Dr. Kh. Mahbub Hassan	BD
80.	Influence of Base Liner on Leachate Characteristics: Results from Landfill Lysimeter Studied in Bangladesh	A.S.M. Riyad, H.M. Parvez Kabir, Muhammed Alamgir and Islam M. Rafizul	BD
81.	Verification of the Success on Decentralized Wastewater Treatment Plant in Peoples Five Storied Colony	Mahbub-E-Khuda Abdul Kader, Omar Shahrear Apu and Muhammed Alamgir	BD
82.	Treatment of Compostable Organic Waste in Densely Populated Urban Area – A Case Study from Baridhara, Dhaka	Rashadul Hasan and Anne Matter	BD
83.	Environmental Impact Assessment of Central Effluent Treatment Plant in Depz, Savar, Bangladesh	Ahmud Fahim, Arindam Saha and Dr. Kh. Mahbub Hassan	BD
84.	Feasibility Analysis of Sustainable Waste Management to Make Low Carbon Footprint Campus (A Case Study of KUET Campus, Khulna)	Md. Ashikur Rahman, Mushfiqur Rahman and Afnan Saba	BD
85.	Evaluation of Landfill Clay Liner Based on Permeability & Crack Intensity Factor Using MATLAB Image Processing and Artificial Neural Network	S. M. A. Rahman, A. S. M. Akid and M. Alamgir	BD
86.	Faecal Sludge Management in Kushtia Municipality: a co-composting fertilizer approach	Anwar Ali and Ranver Ahmed	BD
87.	Design of Integrated Solid Waste Management System of Kakonhat Municipality	Md. Noman Parvez, Md. Niamul Bari and Md. Shahin	BD

<b>S/N</b>	<b>Title of the Paper</b>	<b>Author</b>	<b>Country</b>
88.	Reuse – Reduce – Refuse: Solid Waste Management as Incentive for Economic Development	Margareth Gfrerer	Indonesia
89.	To Investigate the Top Slab Soffit Temperature by Using Coconut Skull on the Roof	Mahzabin Afroz and S. M. Rifat-Bin-Rafiq	BD
90.	Transition of infrastructure – a worldwide challenge	Jörg Londong and Sonja Sauer	Germany
91.	Education in Waste Management	Sanja Kalambura, Aleksandar Racz, Dejan Kalambura	Croatia
92.	Cost versus benefits on the resource recovery from solid waste in the developing countries	Dejan Kalambura and Sanja Kalambura	Croatia
93.	E-Waste: Impact on Environment and Current Management	Zerin Binte Alam, Rasel Sheikh and Md. Ashiqur Rahman	BD
94.	An Assessment on the Impact of Waste Discharge on Water Quality of Karnaphuli River of Bangladesh	Aritra Chowdhury, Gourab Kumer Nandy, Islam M. Rafizul and Mohammad Iqbal Hossain	BD
95.	An Assessment on Household Rainwater Harvesting Tanks in the Coastal Areas of Bangladesh	Mohammad Iqbal Hossain, Gourab Kumer Nandy and Aritra Chowdhury	BD
96.	Water Quality Improvement of Pond Sand Filter Using Ceramic Filter	Md. Rasel Sheikh, Md. Saiful Islam and Zerin Binte Alom	BD
97.	Presence of Arsenic in Groundwater Water of Bangladesh: It's Impact & Remediation	Zerin Binte Alam, Tabibul Islam and Rasel Sheikh	BD
98.	Use of oily crops for phytotreatment and recirculation of leachate in landfills	Prof. Dr. M. Cristina Lavagnolo	Italy
99.	Recycling Activities in Secondary Disposal Points at Dhaka	M. Ashrafuddoula Dipu, Quazi Hamidul Bari, M. M. Hossain and M. Hassan	BD
100.	Role of Stakeholders in Managing School Solid Wastes of Khulna City	Tusar Kanti Roy, Gunjan Barua and K.M.Mohiuddin Ekram	BD
101.	JICA's Approach for Solid Waste Management in Dhaka	Tsuyoshi Kano and Md. Shoriful Alam Mondal	JICA-BD
102.	Evaluation of Existing Clinical Waste Management and Possible Health Hazards around Fulbarigate, Khulna, Bangladesh	M. N. Sakib, M. A. Rashul and M. Alamgir	BD
103.	Reliable Faecal Sludge Data for Planning FSM in Three Cities in Bangladesh	Shahidul Islam and Rajeev Munankami	BD
104.	RUSTIC Municipal Solid Waste Management Program	Moral Noor Mohammad	BD