

## **Conference Programs**

**1<sup>st</sup> International Conference on Botanical Pesticides and  
Environmental Sustainability, September 24-25, 2016**



**Organized by  
Institute of Environmental Science  
University of Rajshahi  
Rajshahi – 6205  
Bangladesh  
Tel. 0721-750930  
Website: [www.ru.ac.bd/ies](http://www.ru.ac.bd/ies)**



**Supported by  
HEQEP/CP-3605  
University Grants Commission (UGC) of Bangladesh  
Ministry of Education  
Government of the Peoples Republic of Bangladesh**

# **1<sup>st</sup> International Conference on Botanical Pesticides and Environmental Sustainability, September 24-25, 2016**

## **Organizing Committee**

### **Patron**

Prof. Muhammad Mizanuddin, Honourable Vice-Chancellor, University of Rajshahi  
Prof. Chowdhury Sarwar Jahan, Honourable Pro Vice-Chancellor, University of Rajshahi

### **Convener**

Prof. Md. Sultan-Ul-Islam,  
Director, Institute of Environmental Science, University of Rajshahi

### **Organizing Secretary**

Prof. Md. Abul Kalam Azad  
Institute of Environmental Science, University of Rajshahi

### **Organizing Members**

Prof. Md. Azizul Islam, Department of Chemistry, University of Rajshahi  
Prof. Md. Golam Mostafa, Institute of Environmental Science, University of Rajshahi  
Prof. Md. Mostafizur Rahman, Dept. of Agronomy and Agricultural Extension, Univ of Rajshahi  
Dr. Md. Redwanur Rahman, Institute of Environmental Science, University of Rajshahi  
Jakiya Yeasmin, Institute of Environmental Science, University of Rajshahi  
Dr. S.M. Shafiuzzaman, Institute of Environmental Science, University of Rajshahi

### **Conference Secretariat**

Botanical Pesticide and Environmental Microbiology Lab  
Room No. 210  
Institute of Environmental Science  
University of Rajshahi  
Rajshahi-6205, Bangladesh  
Tel. 88-0721-711277

**E-mail.** [botpestlab.iesru@yahoo.com](mailto:botpestlab.iesru@yahoo.com)

**Website:** [www.ru.ac.bd/ies](http://www.ru.ac.bd/ies)

# 1<sup>st</sup> International Conference on Botanical Pesticides and Environmental Sustainability, September 24-25, 2016

Day 1: September 24, 2016 (Saturday)

Venue: Senate Bhaban, University of Rajshahi

<b>Time</b>	<b>Conference Programs</b>	
8.00-9.30 am	<b>Registration</b>	
9.30-10.30 am	<b>Inaugural Ceremony</b>	
	<b>Chief Guest:</b>	
	Prof. Muhammad Mizanuddin Vice-Chancellor, University of Rajshahi	
	<b>Special Guests:</b>	
	Prof. Chowdhury Sarwar Jahan Pro Vice-Chancellor, University of Rajshahi	
	Prof. Sayen Uddin Ahmed Treasurer, University of Rajshahi	
10:30-11:00 am	<b>Tea</b>	
	<b>Plenary Lecture</b>	
	<b>Chair:</b> Prof. Md. Azizul Islam	
	<b>Rapotier:</b> Prof. Sabrina Naz	
<b>Time</b>	<b>Abstract No.</b>	<b>Title of Abstract and Authors</b>
11:00-11:30	PL-01	Role of Botanical Pesticides in Organic Agriculture in North-Western Himalayas Prof. J. P. Saini Department of Organic Agriculture, CSK Himachal Pradesh Agricultural University, Himachal Pradesh, India
11:30-12:00	PL-02	Chemical Characterization and Quality Control of Botanical Pesticides  Prof. R. K. Kole Department of Agricultural Chemicals, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India
12:00-12:30	PL-03	Drought, Water Scarcity and Way Forward: Barind Tract, NW Bangladesh  Prof. Chowdhury Sarwar Jahan  Department of Geology & Mining, University of Rajshahi, Bangladesh
12:30-1:00 pm	<b>Open Discussion on Plenary Lecture</b>	
1:00-1:45 pm	<b>Lunch &amp; Prayer</b>	

## Scientific Session-1A: Botanical Pesticides

**Chair:** Prof. Bidhan Chandra Das

**Rapporter:** Prof. M. Mostafizur Rahman

Time	Abstract No.	Title of Abstract and Authors
1:45-2:00 pm	BP-01/BP-02	Key Note Paper Higher Plants as Novel Source of Green Pesticides for Agricultural Pests Management Prof. N. K. Dubey or Non-Chemicals Crop Pest Management <i>via</i> Bio-botanical Pesticides for the Safety of Environment and Human Health P.K. Patanjali
2:00-2:10	BP-03	Efficacy of Botanicals, Bio-agents and Fungicides on Growth Parameters and Disease Control of Eggplant Shanjit Kumar Sarker and Md. Abul Kalam Azad
2:10-2:20	BP-04	Management of Foot and Root Rot Disease of Fenugreek K.M. Khalequzzaman
2:20-2:30	BP-05	Effect of Botanical Extract on Pest Control in Yard long Bean Field <u>Mst. Nilufar Yesmin</u> , Md. Saiful Islam and Md. Abul Kalam Azad
2:30-2:40	BP-06	Effects of Some Botanicals on Management of Chickpea Pod Borer ( <i>Helicoverpa armigera</i> Hubner) <u>M. E. Reza</u> , M. R. Ali, M. A. Rahman, M. N. A. Siddiquee, M.J. Uddin, M. S. Islam and M. Begum
2:40-2:50	BP-07	Allelopathic Effects of <i>Lantana camara</i> L. on Germination and Growth Behavior of Some Important Pulses and Vegetable Crops of Bangladesh M. H. Rahman
2:50-3:00	BP-08	Effects of Botanical Products against Stem Borer of Sugarcane <u>M.A. Rahman</u> , M. Begum, M.N.A Siddiquee, M.S. Islam and M.E. Reza
3:00-3:10	BP-09	Varietal Screening of Tomato to Tomato Fruit Borer <i>Helicoverpa armigera</i> Hubner (Lepidoptera: Noctuidae) and Associated Tomato Plant Characters Md. Ruhul Amin
3:10-3:30		<b>Open Discussion</b>
3:30-3:45		<b>Tea</b>
3:45-5:15 pm		<b>Scientific Session-1B: Botanical Pesticides</b> <b>Chair:</b> Prof. M. Monjur Hossain <b>Rapotier:</b> Prof. Md. Ruhul Amin
3:45-4:00	BP-10	Key Note Paper Non-Chemicals Crop Pest Management <i>via</i> Bio-botanical Pesticides for the Safety of Environment and Human Health Dr. P.K. Patanjali

- 4:00-4:10** BP-11 Eco-friendly Pest Management in Kidney Bean (*Phaseolus vulgaris L.*)  
Experimental Field with Some Botanical Pesticides  
Md. Mizanur Rahman, Md. Saiful Islam and Md. Abul Kalam Azad
- 4:10-4:20** BP-12 Biocontrol of Fusarium Wilt of Tomato under Field Condition and their  
Effect on Yield of Tomato  
M. J. Khatun, K. M. Khalequzzaman and F. A. Neela
- 4:20-4:30** BP-13 Effect of Fruit Ripening Chemicals and Mutagen on Morphology of  
Tomato (*Lycopersicon esculentum Mill.*)  
J.K. Sarker, M.M. Ud-Deen and G. Kabir
- 4:30-4:50** BP-14 *Trichoderma*: A Promising Tool Box for Climate Smart Agriculture  
Ferdous Akter, Md. Giush Uddin Ahmed and M. Firoz Alam
- 4:50-5:00** BP-15 Evaluation of Pressmud against White Grubs and Rootstock Borer of  
Sugarcane  
M. N. A. Siddiquee, M. A. Rahman, M. Begum, M. I. Ara, M. E. Reza,  
M.J. Uddin and M. S. Islam
- 5:00-5:10** BP-16 Identification of Tropical Sugarbeet Diseases in Bangladesh  
M. J. Uddin, M. S. Rahman, M.O. Khaiyam and M. I. Hossain
- 5:10-5:30** **Abstract** **Poster Presentation**
- No.** **Venue: IES Belcony, 4<sup>th</sup> Science Building, University of Rajshahi**
- BP-17 Efficacy of different Chemical and Botanical Insecticides in Controlling  
Mango Hopper (*Amritodus atkinsoni L.*)  
Md. Shawkat Islam Shawan, Mahbuba Jahan and Md. Abul Kalam Azad
- BP-18 Efficacy of *Desmodium gangeticum* Extract on the Mortality of Beetles  
Md. Sadequl Islam
- BP-19 Vector Control Potentials of *Evolvulus Nummularius*  
Nayeema Parvin and Md. Nurul Islam
- BP-20 Effect of Plant Extracts, Chemical Fungicides and Antagonistic  
Fungi against *S. rolfisii* Sacc. - A Foot Rot Pathogen of Betelvine  
(*Piper betle L.*)  
Nargis Tanjila, Kamrun Naher, Most. Ferdousi Begum and M. Shahidul  
Alam
- BP-21 An Eco-friendly Approach to Reduce Reproductive Attributes in the  
Housefly, *Musca domestica L.* Using Crude Plant Extracts  
Most. Jesmin Aktar and M. Saiful Islam
- BP-22 Larvicidal Efficacies of Some Plant Extracts and their Synergistic Effects  
with Cypermethrin on the Life-history Traits of *Musca domestica L.*  
M. Saiful Islam and Most. Jesmin Aktar
- BP-23 Toxicity of *Careya arborea* Roxb. Leaf extracts on *Oreochromis aureus*  
and *Artemia salina L.*

**1<sup>st</sup> International Conference on Botanical Pesticides and Environmental Sustainability,  
September 24-25, 2016**

**Day 2: September 25, 2016 (Sunday)**

**Parallel Scientific Session-2: Bioactive Compounds and Anti-microbial Agents**

**Venue:** IES Conference Room, University of Rajshahi

**Chair:** Prof. Jahan Ara Khanam

**Raportier:** Prof. Shahidul Alam

<b>Time</b>	<b>Abstract No.</b>	<b>Title of Abstract and Authors</b>
<b>9:00-9:20</b>	BCA-01	Key Note Paper-1 Chemical Characterization of Clerodendrum infortunatum Leaf Extracts in Relation to Its Antifungal Activity  <u>S. Saha</u> , D. Choudhury, J. Saha, M. Sarkar and R. K. Kole
<b>9:20-9:40</b>	BCA-02	Key Note Paper-2 Screening of Potential Biosurfactants from Pseudomonas sp for Bioremediation of Oil Contaminated Areas  Karabi Biswas and <u>Sankar Narayan Sinha</u>
<b>9:40-9:50</b>	BCA-03	Effect of Methanolic Extract of Botanicals on Foot and Root Rot Disease of Lentil  <u>Md. Mokarram Hossain</u> , Md. Khalequzzaman and Md. Abul Kalam Azad
<b>9:50- 10:00</b>	BCA-04	Evaluation of Anti-microbial Sensitivity of the Remedial Compounds Extracted from Selected Medicinal Plants  <u>Rokib Hasan</u> , Md. Abdullah Al Mamun, Md. Kamrul Islam, Iftekhar Ahmad and Md. Jahangir Alam
<b>10:00- 10:10</b>	BCA-05	Assessment of Antibacterial and Antioxidant Activities of Wheat ( <i>Triticum aestivum</i> L.)  <u>Supria Saha</u> , Zohorul Islam, Md. Touhidul Islam, Mirza Fida Hassan, Md. Munir Hossain, Md. Shahadat Hossain and S.M. Shahinul Islam
<b>10:10- 10:20</b>	BCA-06	Comprehensive Analysis of <i>in vitro</i> Antioxidant, Anti-inflammatory and Antidiabetic Activities of three different Plants parts from Bangladesh and Screening for their Phytochemical Composition  <u>Belal MH</u> , Islam MD, Yesmin MR, Islam A, Rabbi MAR and Islam MA
<b>10:20- 10:30</b>	BCA-07	CaCO <sub>3</sub> Nanoparticles dispersed Poly(lactic acid)/Chitosan Biomaterials for Biomedical Application  <u>Md. Saiful Islam</u> , G.M. Azizur Rahman, M.R. Hasan and Nur Suhaila

10:30- 10:40	BCA-08	Mechanism of Growth Inhibitory Effect of Zingiber zerumbet Extract in Ehrlich Ascites Carcinoma Cell  <u>Hanif Ali</u> , Majidul Islam, Narayan Roy and Tanzima Yeasmin
10:40- 11:00		<b>Tea</b>
11:00- 11:10	BCA-09	Exploring the effects of chronic exposure to arsenic on the methylation status in long interspersed nuclear elements (LINE)-1 in human leukocyte DNA  <u>Hasibuzzaman MM</u> , Hossain K, Suzuki T, Islam MS, Rahman A, Paul SK, Nohara K
11:10- 11:20	BCA-10	Occurrence of Allergic Dermatitis in relation with <i>Parthenium hysterophorus L</i> in Rajshahi City, Bangladesh  Zoha Mohammad Meherwar Hossain
11:20- 11:30	BCA-11	Evaluation of Antibacterial Activity and Susceptibility of Multi-antibiotic Resistance from Isolated Cellulolytic Bacteria  <u>Sajib Podder</u> , Rezuhan Mahmud, Ranajit Kumar Shaha, Ariful Haque and Tanzima Yeasmin
11:30- 11:40	BCA-12	Purification and Characterization of a Lectin from <i>Carissa carandas</i> Seeds  <u>Md. Golam Kibria</u> , K. M. Ahsanul Kabir, Md. Nurujjaman, Imtiaj Hasan, A.K.M. Asaduzzaman, Md. Belal Uddin and Syed Rashel Kabir
11:40- 11:50	BCA-13	Mechanism of Growth Inhibitory Effect of <i>Zingiber zerumbet</i> Extract in Ehrlich Ascites Carcinoma Cell  <u>Hanif Ali</u> , Majidul Islam, Narayan Roy and Tanzima Yeasmin
11:50- 12:30 pm		<b>Open Discussion</b>
12:30- 1:10		<b>Poster Presentation</b>
		<b>Venue: IES Belcony, 4<sup>th</sup> Science Building, University of Rajshahi</b>
	BCA-14	Dad Mardan and Ata Leaves: their Therapeutic Effects against Skin Lesion  M. Moniruzzaman, M. R. Gofur and R. Khaton
	BCA-15	Study of Some Selected Medicinal Plants Used in the Treatment of Dental Caries and Gingivitis in Bangladesh  <u>Mst. Razwana Binta Mizan</u> and Md. Abul Kalam Azad
	BCA-16	Evaluation of the Antioxidant, Anti-Inflammatory and Anticancer Activities of Methanolic Extract of <i>Trichosanthes dioica</i>  <u>Rumana Yesmin</u> , Hanif Ali, Polash Chandra Karmakar, Manob Mondal and Kamal Krishna Biswas

- BCA-17 *In Vitro* Evaluation of Plant Extracts on Seed Mycoflora and Seed Germination, Shoot Length and Root Length of *Cicer arietinum*  
Mst. Ferdowsi Mahal
- BCA-18 Antifungal Activity of MytiLec-1, an R-type Lectin from the Mussel *Mytilus galloprovincialis*  
Imtiaj Hasan and Syed Rashel Kabir
- BCA-19 Antioxidant Properties Determination of Ethanolic Extract of Seaweed *Sargassum bindera* Cultivated in Bangladesh  
A.K.M. Asaduzzaman, Md. Mizanur Rahaman, Imtiaj Hasan and Syed Rashel Kabir
- BCA-20 Antifungal Activity of a Lectin Isolated from Tuberos Rhizome of *Kaempferia rotunda*  
Fazle Rabbi Shakil Ahmed and Syed Rashel Kabir
- BCA-21 Antifungal Activity of a Lectin Isolated from Mulberry Seed  
Mst. Jesmin Sultana, Syed Rashel Kabir and M. Taufiq Alam
- BCA-22 Development and Validation of Microbial Bioassay for the Quantification of Marketed Chloramphenicol Eye Drops  
Sultana Rajia, Imtiaj Hasan and Anwar Ul- Islam
- BCA-23 Combined Effects of Arsenic and Lead on Blood Biomarkers of Liver Functions in F<sub>0</sub> and F<sub>1</sub> Mice  
Jahan M., Anjum A, Rahman A and Saud ZA
- BCA-24 Studies on Bioactive Constituents from Isolated Cellulytic Bacteria  
Tanzina Sayed, Most. Nasrin Khatun and Tanzima Yeasmin
- BCA-25 Occurrence and Association of Arbuscular Mycorrhizal Fungi in Plants of Rajshahi University Campus  
Majidul Islam, Hanif Ali, Akter Hoshen, Aysha Siddeka and Tanzima Yeasmin
- BCA-26 Effect of *Musa Sapientum* Extractives on Nine Industrial Isolates  
Rukhshana Shalim, Ruhul Amin, Mozammel Hossain, Fatema Ferdous and Nurul Islam

**1:10-2:00**  
**pm**

**Lunch**



**1<sup>st</sup> International Conference on Botanical Pesticides and Environmental Sustainability,  
September 24-25, 2016**

**Day 2: September 25, 2016 (Sunday)**

**Parallel Scientific Session-3: Environmental Pollution and Climate Change**

**Venue:** Materials Science and Engineering Conference Room, University of Rajshahi

**Chair:** Prof. Mushfique Ahmed

**Rapotier:** Prof. Khaled Hossain

<b>Time</b>	<b>Abstract No.</b>	<b>Title of Abstracts and Authors</b>
<b>9:00-9:20</b>	<b>EPC-01</b>	Key Note Paper Impact of Climate Change on Horticulture T.K.Maity
<b>9:20-9:30</b>	EPC-02	Arsenic Accumulation into Different Varieties of Rice ( <i>Oryza sativa</i> L) Cultivated with Arsenic Contaminated STW Water <u>A. H. M. Firoz Kabir Mondal</u> , Ismail Hossain, Md. Moniruzzaman and Md. Abul Kalam Azad
<b>9:30-9:40</b>	EPC-03	Exploring the Association of Arsenic Exposure with Circulating Eosinophil Chemoattractant Protein (eotaxin): A Cross Sectional Study in Bangladesh <u>Atiqur Rahman</u> , Seichiro Himeno and Khaled Hossain
<b>9:40-9:50</b>	EPC-04	Heavy Metal and Mineral Composition in Different Body Parts of Freshwater Crab ( <i>Paratelphusa lamellifrons</i> ) From Padma River <u>Md. Badrul Islam</u> , Md. Bokul Mia, Md. Moniruzzaman Sarker, Md. Redwanur Rahman, Md. Abdul Jalil, Md. Abdur Rahim
<b>9:50-10:00</b>	EPC-05	Arsenic Contamination in Drinking Water and Skin Manifestations in Eruain Village of Laksham Upazila in Bangladesh <u>M Jahangir</u> and Md. Redwanur Rahman
<b>10:00-10:10</b>	EPC-06	Soil Quality Assessment for Agricultural Purposes Around the Barapukuria Coal Mine Industrial Area, Bangladesh: Insights from Chemical and Multivariate Statistical Analysis <u>Md. Mustafizur Rahman</u> , M. Farhad Howladar and Mohammed Omar Faruque
<b>10:10-10:20</b>	EPC-07	Water Quality Evaluation in Terms of Water Quality Index and Statistical Approach around the Maddhapara Granite Mine Industrial Area, Dinajpur, Bangladesh <u>Md. Abdullah Al Numanbakth</u> , M. Farhad Howladar and Mohammed Omar Faruque
<b>10:20-10:30</b>	EPC-08	Arsenic Exposure-related Elevation of Serum Matrix Metalloproteinase-2 and -9 Levels and their Associations with Circulating Markers of Cardiovascular Diseases

Islam MS, Mohanto NC, Rahman A, Himeno S and Hossain K

**10:30-11:00**

**Open Discussion**

**11:00-11:20**

**Tea**

**am**

**11:20-11:30**

EPC-09

Dose- and Sex-dependent Prevalence of Hyperglycemia in Chronic Arsenic-exposed Individuals in Bangladesh

Paul SK, Hasibuzzaman MM, Islam MS, Rahman A, Himeno S and Hossain K

**11:30-11:40**

EPC-10

Potable Drinking Water Insecurity in South-West Coastal Bangladesh: Prominence of Pond Users in Shyamnagar Upazila, Satkhira District, Bangladesh.

Mohammad Jobayer Hossain, Sultan-Ul-Islam, Mohammad Tofayal Ahmed, Mostafa Tarek, Md. Shajidul Islam and Shakil Babu

**11:40-11:50**

EPC-11

Governing the Metallic Dust Meant for Defending Environmental Pollution and Worker's Wellbeing through Industrial Ventilation System and Techniques in a Metal Industry

Al Mohaiminul Islam, Md. Jony Rana, Mohammad Tofayal Ahmed, Md. Kamrul Islam, Abu Hena Md. Nasimul Jamil

**11:50-12:00**

EPC-12

Assessment of Irrigation Water Quality using Several Indices and Statistical Approaches in Central Bangladesh

A.R.M. Towfiqul Islam, Shen Shuanghe, Md. Bodrud-Doza, Md. Ahohas Habib, M. Safiur Rahman

**12:00-12:10**

EPC-13

Impact of Environmental Degradation on Tribal Traditional Food System

Arook Toppo, Md. Redwanur Rahman, Md. Yeamin Ali, Akib Javed and Md. Azibar Rahman

**12:10-12:20**

EPC-14

Slope Stability Problems at Different Locations in Cox's Bazar District of Bangladesh

Md Shofiqul Islam and Atikul Islam

**12:20-12:30**

EPC-15

Corruption in Disaster Management Efforts in Bangladesh

Md. Nurul Momen

**12:30-12:40**

EPC-16

Governance of Urban Solid Waste Management in Bangladesh: Policies and Practices

A.K.M. Mahmudul Haque

**12:40-12:50**

EPC-17

Land Encroachment: A Challenge of Conserving Forest Biodiversity in Bangladesh

Shishir Reza

**12:50-1:10**

Open Discussion

**1:10-1:15**

**Poster**

pm

- EPC-18 Effects of Agricultural Practices on Biodiversity in Bangladesh  
Md. Atiqur Rahman, Md. Redwanur Rahman, Md. Yeamin Ali and Akib Javed
- EPC-19 Impact of Climate Change on the Outbreak of Infectious Disease among Children in Rajshahi District of Bangladesh  
A. K. M. Kamruzzaman, Md. Redwanur Rahman, Jawadul Haque and Most. Manzuara Khatun
- EPC-20 A Study on Different Impacts of Climate Changes in Bangladesh  
M Jahangir

1:15-2:00

**Lunch**

pm

**1<sup>st</sup> International Conference on Botanical Pesticides and Environmental Sustainability,  
September 24-25, 2016**

**Day 2: September 25, 2016 (Sunday)**

**Scientific Session-4: Environmental Sustainability and Development**

**Venue:** IES Conference Room, University of Rajshahi

**Chair:** Prof. Rakib Ahmed

**Rapotier:** Prof. Golam Mostafa

<b>Time</b>	<b>Abstract No.</b>	<b>Title of Abstracts and Authors</b>
<b>2:00-2:20 pm</b>	<b>ESD-01</b>	Key Note Paper Persistence and Degradation Dynamics of Fipronil in Sugarcane <u>S. Biswas</u> , S. Majumder, M. Sarkar and R. K. Kole
<b>2:20-2:30</b>	<b>ESD-02</b>	Environmental Impact Assessment Procedures and Practices in Bangladesh Mst. Marzina Begum
<b>2:30-2:40</b>	<b>ESD-03</b>	Environmental Impact of Coastal Polder: A Case Study of Polder-22 under PaikgachaUpazila of Khulna District <u>Ashraful Alam</u> , Mir Sajjad Hossain, Md. Sarfaraz Wahed and S.A. Shameem Ahmad
<b>2:40-2:50</b>	<b>ESD-04</b>	Rockburst and Gas Emission Hazard Potential Associated with LTCC Mining Method in Barapukuria Coalmine, Bangladesh <u>Md. Rafiqul Islam</u> , Ryuichi Shinjo and Muhammed Omar Faruque

<b>2:50-3:00</b>	<b>ESD-06</b>	Rainwater Harvesting to Alleviate Water Scarcity in Drought-Prone Barind Tract, NW, Bangladesh: A Case Study  <u>Md. Ferozur Rahman</u> , Md. Suman Miah, Md. Kamruzzaman and Chowdhury Sarwar Jahan
<b>3:00-3:10</b>	<b>ESD-07</b>	Bank Erosion of Padma River in Charghat and Bagha Upazilas, Rajshahi and its Socio-Economic Consequences  <u>Md. Shareful Hassan</u> , Syed Mahmud-ul-islam and Md. Sultan-Ul-Islam
<b>3:10-3:20</b>	<b>ESD-08</b>	Middle Pleistocene Vertebrate Fossil Records and Paleoenvironments In the Western Barind Tract, NW Bangladesh  Md. Shafiqul Alam
<b>3:20-3:40</b>		<b>Tea</b>
<b>3:40-3:50</b>	<b>ESD-09</b>	Investigation of Irregular Waves by Different Types of Distributions  <u>N. Hossain</u> and A. Hoque
<b>3:50-4:00</b>	<b>ESD-10</b>	On the Generation of Tidal Oscillation at Some Stations along the Coast of Bangladesh Using Cubic Spline Interpolation  <u>Md. Mamunur Rasid</u> , Md. Morshed Bin Shiraj, Md. Dalim Haque and Md. Masum Murshed
<b>4:00-4:10</b>	<b>ESD-11</b>	Characteristics of Biomass Fuels from Local Agricultural Residues: Bangladesh Prospects  <u>Md.Nasir Uddin</u> , Kuaanan Techato, Juntakan Taweekun and Md.Ahosan Habib
<b>4:10-4:20</b>	<b>ESD-12</b>	Eco-Tourism: Challenge & Prospect  Enamul Kabir Pasa and <u>Amit Bhowmick</u>
<b>4:20-4:30</b>	<b>ESD-13</b>	Sustainable Development through Indigenous Knowledge: A Study in Aila Affected Area of Satkhira District  Mostofa Tarequl Ahsan
<b>4:30-4:40</b>	<b>ESD-14</b>	Conservation of Potato ( <i>Solanum tuberosum</i> L.) Cultivars by Slow-growth Condition <i>in vitro</i>  <u>Md. Nasiruddin</u> , Md. Omar Faruq, M. Monzur Hossain and AKM Rafiul Islam

<b>4:40-4:50</b>	<b>ESD-15</b>	Identification of Potential Aquaculture Zones in Chalan Beel, Bangladesh Using Multi-Temporal Landsat Imageries  <u>Md. Shareful Hassan</u> , Syed Mahmud-ul-islam and Md. Sultan-UI-Islam
<b>4:50-5:00</b>	<b>ESD-16</b>	Livelihood Status of the Fishers Community in the Chalan Beel Area (Singra Upazila, Natore District) in Bangladesh  <u>Mosammat Fahmida Akhter Kostori</u> and M. Nazrul Islam
<b>5:00-5:10</b>	<b>ESD-17</b>	Bank Erosion of the Padma River in Charghat and Bagha Upazilas, Rajshahi and its Socio-Economic Consequences  <u>Md. Shareful Hassan</u> , Syed Mahmud-ul-islam and Md. Sultan-UI-Islam
<b>5:10-5:20</b>	<b>ESD-18</b>	Channel Dynamics of the Old Brahmaputra River within the Kishoreganj-Narshingdi Districts (from 1922-2015)  <u>Md. Atiqur Rahman</u> and Md. Badrul Islam
<b>5:20-5:30 pm</b>		<b>Poster</b>
	<b>ESD-19</b>	Visitor's Perception on Existing Tourist Facilities and Future Ecotourism Potentialities in Modhupur National Park of Bangladesh  <u>Md. Monirul Islam</u> , Md. Kamruzzaman, Md. Moniruzzaman and Md. Abul Kalam Azad
	<b>ESD-20</b>	Investigate of a Waste Power Plant: Sustainable Energy and Environmental Prospects  <u>Md. Nasir Uddin</u> , Kuaanan Techato, Juntakan Taweekunan and Md. Ahosan Habib
	<b>ESD-21</b>	Environmental Impact of Biomass Energy from Rice Husk: Bangladesh Context  <u>Md. Nasir Uddin</u> , Kuaanan Techato, Juntakan Taweekun and Md. Ahosan Habib
	<b>ESD-22</b>	Trend of Land Use Change and Environmental Degradation in Dhaka City: A Case Study in Three Selected Areas  <u>Md. Shahidul Islam</u> and Raquib Ahmed
	<b>ESD-23</b>	The Global Burden of Oral Diseases and Risks to Oral Health: An Analytical Study  Razu Ahmed

**ESD-24**

The Global Increase in Dental Caries: A Crisis in Public Oral Health

Umme Kaosar Jahan

**5:30-6:00 pm**

**Collequram**

**Venue: IES Conference Room, University of Rajshahi**

**8:00-9:00 pm**

**Dinner**

**Venue: Central Cafeteria, University of Rajshahi**

**Day-3**

**Field Trip**

**(September**

**26, 2016)**

**8:00 am – 5:00**

**pm**