

THE 3RD INTERNATIONAL CONFERENCE ON JAPAN-BANGLADESH RESEARCH AND PRACTICE (JBRP2024)

Organized by The Network of Bangladeshi Researchers in Japan (NBRJ)
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Conference Program

Friday, November 29 *All times listed in this program are in Japan Standard Time (JST)*				
Opening				
Session 1A: JBRP Presentation Chair: Sharifu Ura (Kitami Institute of Technology)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
10:20-10:35	4	Abdul Waaje and Md. Mustajim Roshid. Attaining Industrial Integrity and Competitiveness in Bangladesh's RMG Sector via Lean Manufacturing Techniques	Natural Sciences, Engineering, and ICT	Abdul Waaje
10:35-10:50	19	Md Zahorul Islam, Jesmin Akter and Md. Amzad Hossain. Anti-Inflammatory, Wound Healing, and Anti-Diabetic Effects of Pure Active Compounds Isolated from the Ryudal Gold Variety of Curcuma longa	Agricultural Sciences	Md Zahorul Islam
10:50-11:05	37	Shahida Pervin and Lei Lei. Migration to Address Labor Shortage in Japan: Evidence from Immigration Policy	Business, Humanities, and Social Sciences	Shahida Pervin
11:05-11:20	28	Mahbub Hossain, Ryosuke Hase, Natsu Yamaguchi, Sunao Wada, Reiji Shirayama and Tsuyoshi Tanabe. Role of Circulating Amino Acids and Gut Microbiota in Health and Healthy Ageing	Medicine, Pharmaceuticals, and Public Health	Mahbub Hossain
Session 1B: JBRP Presentation Chair: Shofiqur Rahmann (EW Nutrition Japan)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
10:20-10:35	14	Juel Sikder, Sharifu Ura and Nippon Datta. Sentiment Analysis of Bangladeshi Roman Chakma Language Using Lightweight CNN	Natural Sciences, Engineering, and ICT	Juel Sikder
10:35-10:50	20	Maimuna Qazi, Tetsuo Takano, Daisuke Tsugama and Shashi Kumar Gupta. Pearl Millet WRKY Transcription Factor PgWRKY60 Can Retard Growth under Both Unstressed and Abiotically Stressed Conditions in Genetically Modified Arabidopsis	Agricultural Sciences	Maimuna Qazi
10:50-11:05	29	Mst. Jeba Shazida, Md. Mahfuzur Rahman, Bayazid Bustami and Angkush Kumar Ghosh. Facial Emotion Recognition Using Custom CNN Model: A Comparative Analysis on FER-2013 Dataset	Natural Sciences, Engineering, and ICT	Mst. Jeba Shazida
11:05-11:20	42	Md Shamsuzzoha, Rajib Shaw, Ryoza Noguchi and Tofael Ahamed. Remote Sensing and Machine Learning-Based Disaster Risk Assessment on Agricultural Land Use in Onshore Regions of Bangladesh Delta Affected by Recurrent Tropical Cyclones—Bulbul, Amphan, and Sitrang	Agricultural Sciences	Md Shamsuzzoha
Break				
Session 2: Keynote Chair: Mohammad Abdul Malek (Miyazaki International University) Keynote Speaker: Yasuyuki Sawada (Professor, Faculty of Economics, The University of Tokyo) Keynote Topic: The Bangladesh Miracle and Challenges				
Break				
Session 3A: JBRP Presentation Chair: Mahbul Alam Chowdhury (Fukuoka Women's University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
13:30-13:45	9	Forhad Hossain, Prajat Paul and Ashir Ahmed. Challenges Faced by Physicians in Developing Countries in Following Necessary History-Taking Steps	Natural Sciences, Engineering, and ICT	Forhad Hossain
13:45-14:00	22	S M Sayeed Anowar, Md. Mahfuzur Rahman, Md Tahiduzzaman and Shoyeb Muhammad. Identifying Problem and Analyzing Business Scenario of Bangladeshi Light and Medium Industry: A Lean Kaizen-Based Approach	Natural Sciences, Engineering, and ICT	S M Sayeed Anowar
14:00-14:15	31	Asima Monjur and Md. Abu Bin Hasan Susan. Shutting of Drugs in Ionic Liquid-Water Biphasic System	Medicine, Pharmaceuticals, and Public Health	Asima Monjur
14:15-14:30	38	Mizanur Rahman, Rummana Rahim and Tatsuo Shioda. Serotype and Genotype Changes of Dengue Virus in Bangladesh during 2018–2023 and Its Association with Disease Severity	Medicine, Pharmaceuticals, and Public Health	Mizanur Rahman
Session 3B: JBRP Presentation Chair: Kumkum Ahmed (Shibaura Institute of Technology)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
13:30-13:45	24	Barnali Biswas, Katsuaki Komai and Takeshi Sonoda. Numerical Modelling of a Coastal Lagoon in Japan: Prospects for Sustainable Development in Bangladesh	Natural Sciences, Engineering, and ICT	Barnali Biswas
13:45-14:00	12	Dewan Abdullah Al Rafi, Sanzida Taurin, Kentaka Aruga, Arifa Jannat and Md. Monirul Islam. Revealing the Pathway of Reluctancy Toward Agricultural Credit Repayment: A Case Study on Fish Farmers in Bangladesh	Agricultural Sciences	Dewan Abdullah Al Rafi
14:00-14:15	30	Shofiqur Rahmann. Egg Immunoglobulins (IgY): Novel Sustainable Nanotechnology Applications in One Health	Medicine, Pharmaceuticals, and Public Health	Shofiqur Rahmann
14:15-14:30	13	Md Mamunur Rashid and Sharifu Ura. Unlocking Jute's Potential: A Strategic Roadmap for Enhancing Productivity and Overcoming the Middle-Income Trap in Bangladesh	Business, Humanities, and Social Sciences	Md Mamunur Rashid
Break				
Session 4A: JBRP Presentation Chair: Tofael Ahamed (University of Tsukuba)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
14:45-15:00	16	Mehedi Shajib, Shahinur Islam and Mohammad Malek. Revolutionizing Agriculture with the Smart Farming Mobile App	Agricultural Sciences	Mohammad Malek
15:00-15:15	32	Md. Hasibul Hasan and Md. Abu Bin Hasan Susan. Tuning Morphology and Electrocatalytic Activity of Cobalt Ferrite Magnetic Nanoparticles Using Ionic Liquids and Double Salt Ionic Liquids as Soft Templates	Natural Sciences, Engineering, and ICT	Md. Hasibul Hasan
15:15-15:30	35	Azizul Moqsud and Tomohiro Okamoto. Plant Microbial Fuel Cells: A Potential Solution to the Green Energy Problem in Bangladesh	Natural Sciences, Engineering, and ICT	Azizul Moqsud
15:30-15:45	33	Mehedi Hasan Jihad and Md. Abu Bin Hasan Susan. Composites of Polypyrrole, Reduced Graphene Oxide, and α-Manganese Dioxide with Ionic Liquid-Based Electrolyte for Dye-Sensitized Solar Cells	Natural Sciences, Engineering, and ICT	Mehedi Hasan Jihad
Session 4B: JBRP Presentation Chair: S. M. A. Hakim Siddiki (Tokyo Metropolitan University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
14:45-15:00	39	Nishat Tahsin, Md. Shahidur Rahman, Md. Aftab Ali Shaikh, Hasina Akhter Simol, Badhon Ali Khan and Md. Anamul Haque. Hydrogel Composites of Agro-Waste-Derived Graphene Oxide and Silica for Removing Methylene Blue Dye from Aqueous Solution	Natural Sciences, Engineering, and ICT	Nishat Tahsin
15:00-15:15	43	Md. Shahajahan Kutubi and Tsugio Kitamura. Fe-Catalyzed Cascade Reaction: C-H Activation and Cyclization in Efficient Coumarin Synthesis	Medicine, Pharmaceuticals, and Public Health	Md. Shahajahan Kutubi
15:15-15:30	15	Abir Nagata, Md Mahfuzur Rahman and Md Shafiqur Rahman. Inequalities in Dental Service Utilization Among Adults: Evidence from Bangladesh, Bhutan, and Nepal	Medicine, Pharmaceuticals, and Public Health	Abir Nagata
15:30-15:45	46	Angkush Kumar Ghosh, Liu Yan and Sharifu Ura. Devising an Image Processing-Based Technique for Preserving Cultural Motifs	Natural Sciences, Engineering, and ICT	Angkush Kumar Ghosh
Break				
Session 5: Plenary Chair: Md Amzad Hossain (The University of the Ryukyus) Plenary Speaker: Mirza Hasanuzzaman (Professor, Faculty of Agriculture, Sher-e-Bangla Agricultural University) Plenary Topic: Sustainable Crop Production in Bangladesh: Navigating Climate Change and Embracing Agriculture 4.0				
Break				
17:40-18:00 NBRJ General Meeting				

Note:
Each presentation is allotted a 15-minute slot, as follows:
10 minutes for the presentation itself, followed by a 3-minute Q&A session, and a 2-minute transition to the next presentation.

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Conference Program

Saturday, November 30 *All times listed in this program are in Japan Standard Time (JST)*				
Session 6A: JBRP Presentation Chair: Ashir Ahmed (Kyushu University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
10:00-10:15	10	Tanmoy Kumar Ghose, Md Rezanul Islam, Kentaka Aruga, Arifa Jannat and Md. Monirul Islam. Disaggregated Impact of Non-Renewable Energy Consumption on the Environmental Sustainability of the United States: A Novel Dynamic ARDL Approach	Natural Sciences, Engineering, and ICT	Tanmoy Kumar Ghose
10:15-10:30	44	Bibi Panjatul Kubra and Asif Reza Anik. Livelihood Diversification as an Enduring Form of Anticipatory Action of Flood for the Farmers of Bangladesh	Agricultural Sciences	Bibi Panjatul Kubra
10:30-10:45	1	Mohd Basheer and Luma Abuorabi. Mitigating Climate Change Impacts on Agriculture: A Comparative Study between Bangladesh and Japan	Agricultural Sciences	Mohd Basheer
10:45-11:00	5	Md. Sumon Rahman, Tatsuru Yazaki, Takanori Chihara and Jiro Sakamoto. Assessment of Joint Forces on the Lower Back During Bricklaying Tasks	Medicine, Pharmaceuticals, and Public Health	Md. Sumon Rahman
Session 6B: JBRP Presentation Chair: Md. Shahajahan Kutubi (Nagoya University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
10:00-10:15	2	Sharifu Ura. Role of Japan in Bangladesh-based Research	Business, Humanities, and Social Sciences	Sharifu Ura
10:15-10:30	21	Md Mahfuzur Rahman, Md Shafiqur Rahman and Stuart Gilmour. Child Marriage in Bangladesh (1960–2016): Historical Trends, Natural Calamities, Policy Interventions, and Socioeconomic Impact	Medicine, Pharmaceuticals, and Public Health	Md Mahfuzur Rahman
10:30-10:45	34	Most. Israt Jahan, Muhammed Shah Miran and Md. Abu Bin Hasan Susan. Development of a β-Cyclodextrins/Cationic Surfactants Based Supramolecular System: Interactions with a Phenothiazinyl Drug	Natural Sciences, Engineering, and ICT	Most. Israt Jahan
10:45-11:00	25	Md Tahiduzzaman, Angkush Kumar Ghosh and Sharifu Ura. Comparison of Conventional Methods for Manufacturing Process Optimization	Natural Sciences, Engineering, and ICT	Md Tahiduzzaman
11:00-11:15 Break				
Session 7: Plenary Chair: Md Shafiqur Rahman (Hamamatsu University)				
11:15-11:55 Plenary Speaker: Md Moshir Rahman (Associate Professor, Graduate School of Biomedical and Health Sciences, Hiroshima University) Plenary Topic: Enhancing Adolescent Reproductive Health in Rural Bangladesh: Anemia Prevalence, Associated Factors, and the Role of mHealth Interventions				
11:55-13:00 Break				
Session 8A: JBRP Presentation Chair: Md. Shahajahan Kutubi (Nagoya University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
13:00-13:15	3	Sufia Jahan. Recent Trends in the Development and Management of the Social Business Sector in Bangladesh	Business, Humanities, and Social Sciences	Sufia Jahan
13:15-13:30	23	Md Rashedul Islam and Md Shafiqur Rahman. Disparity in the Prevalence of Anemia Among Non-Pregnant Women in 49 Low- and Middle-Income Countries from 2011–2021	Medicine, Pharmaceuticals, and Public Health	Md Rashedul Islam
13:30-13:45	17	Md. Enamul Kabir, Md. Mominul Islam, Md. Abu Bin Hasan Susan and Muhammed Shah Miran. Improving MnO₂ Porous Carbon Nanocomposites Electrocatalytic Oxygen Reduction Performance by Surface Modification Using Protic Ionic Liquid for Fuel Cell	Natural Sciences, Engineering, and ICT	Md. Enamul Kabir
13:45-14:00	45	Sahib Ur Rauf, Afia Zaman, Md Nahid Shahriare, Sadia Mostofa, Md Tanvir Shakil, Mohammad Mahdi Hasan, Jagobandhu Some and Muhammad Sharif. Design and Development of a Weather Balloon-Launched CubeSat Prototype for Atmospheric Data Collection	Natural Sciences, Engineering, and ICT	Muhammad Sharif
Session 8B: JBRP Presentation Chair: Shahida Pervin (Waseda University)				
Time Slot	Submission Number	Author(s) and Title	Track	Presenting Author
13:00-13:15	7	Samimuzzaman. Comparative Analysis of Infrastructure Diplomacy in South Asia: Assessing the Impact of China's Belt and Road Initiative and Japan's Free and Open Indo-Pacific Strategy	Business, Humanities, and Social Sciences	Samimuzzaman
13:15-13:30	27	Habibur Rahman, Atia Afsana, Umma Aysha Mim, Rahidul Islam Roman and Effat Jahan. Hybrid Energy-Based Battery Storage Swapping Station for Electrical Vehicles and Net Metering in Bangladesh	Natural Sciences, Engineering, and ICT	Atia Afsana
13:30-13:45	41	Afia Zaman, Munirul Alam, Anik Shabab Soudha and Md. Afsar Ali. Molecular Dynamics Investigation of Nanostructure and Characterization of Al₃CoCrFeNi High-Entropy Alloy	Natural Sciences, Engineering, and ICT	Munirul Alam
13:45-14:00	11	Sweetey Shahinur, Julfikar Haider and Sharifu Ura. Comparative Study of Jute, Coir, and Bamboo Fibers Based on Uncertain Data	Natural Sciences, Engineering, and ICT	Sweetey Shahinur
14:00-14:30 Break				
Session 9: Plenary Chair: Sharifu Ura (Kitami Institute of Technology)				
14:30-15:10 Plenary Speaker: Md. Shoaib Bhuiyan (Professor, Faculty of Medical Engineering, Suzuka University of Medical Science) Plenary Topic: How Artificial Intelligence (AI) Is Changing Healthcare and Related Fields				
15:10-16:00 Break				
16:00-17:00 Session : Award & Closing				

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