

## M. L. PALASH, Ph.D.

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### PROFILE SUMMARY

- Ph.D. in Energy and Environmental Engineering, two master degrees
- 5<sup>+</sup> years of research experience green energy systems in three different universities
- 7<sup>+</sup> years of teaching experience in two different universities
- 10<sup>+</sup> international award holder on academic and research excellence including President and Dean's award
- 5+ recipient of grants for conducting research on green energy systems

### RESEARCH AREAS

- Carbon neutral energy conversion or utilization systems
- Surface energy, surface chemistry and adsorption phenomena of functional adsorbents
- Adsorbents material synthesis (parent and composites) and characterization for thermal energy-driven adsorption cooling/refrigeration systems, and energy storage, CO<sub>2</sub> capture or storage applications
- Design of thermal or renewable energy-driven adsorption systems
- Design and development of Atmospheric Water Harvester (AWH)

### ACADEMIC QUALIFICATIONS

Degree	Field	University	GPA	From - To
Ph. D.	Energy & Environmental Engineering	Kyushu University, Japan	4.0/4.0	Oct. 2017 – Sept 2020
Master of Engineering (M. Eng.)	Energy & Environmental Engineering	Kyushu University, Japan	3.9/4.0	Oct. 2015 - Sept. 2017
Master of Science (M.S.)	Applied Physics, Electronics and Communication Engineering	University of Dhaka, Dhaka, Bangladesh	3.75/4.0	Mar 2008 - Mar. 2009
Bachelor of Science (B.S.)	Applied Physics, Electronics and Communication Engineering	University of Dhaka, Dhaka, Bangladesh	3.75/4.0	May 2002 - Sept 2007

## WORK EXPERIENCE

1. **Associate Professor**, Department of Electrical and Electronic Engineering, University of Dhaka, Bangladesh, April 2021 – present.
2. **Assistant Professor**, Department of Electrical and Electronic Engineering, University of Dhaka, Bangladesh, Dec 2013 – April 2021.
3. **Assistant Proctor**, Faculty of Engineering and Technology, University of Dhaka, Bangladesh, Feb 2021 – present.
4. **Student Advisor**, Department of Electrical and Electronic Engineering, University of Dhaka, Bangladesh, Jan 2021 – Feb 2021.
5. **Assistant House Tutor**, Fazlul Huq Muslim Hall, University of Dhaka, Bangladesh, Sep. 2012 – Sept 2015.
6. **Lecturer**, Department of Electrical and Electronic Engineering, University of Dhaka, Bangladesh, Sept 2010 – Dec 2013.
7. **Lecturer**, Department of Electronics and Communication Engineering, Institute of Science and Technology, Bangladesh, Jan. 2010 – Sept. 2010
8. **Part-time Lecturer**, Institute of Leather Technology, University of Dhaka, Bangladesh, Jan. 2012 – Dec 2013
9. **Part-time Lecturer**, Department of Nuclear Engineer, University of Dhaka, Bangladesh, Jan. 2014 – Dec 2014

## INTERNSHIP/RESEARCH ASSOCIATE

1. **Nanyang Technological University (NTU)**, School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore., Feb. 2018 – Mar. 2018.
2. **Ritsumeikan Asia Pacific University (APU)**, College of International Management, Oita, Japan, Jun. 2017 – Jul. 2017.
3. **Robi Axiata Limited**, Network Operation Center, Technical Division, Bangladesh, May 2008 – Aug. 2008.

## PROJECT WORKS

1. B.B. Saha (PI), K. Thu (Co-PI), **M. L. Palash (Collaborator)**, T.H. Rupam (Collaborator), D. Rakshit (Indian-side PI, IIT Delhi), S. Jain (Co-PI), S.S. Yagnamurthy (Collaborator), Characterization and testing of the adsorption pairs of HFOs and ammonia with halide salts and functional activated carbon groups for application in adsorption heat pump/cooling systems, Scheme for Promotion of Academic and Research Collaboration (SPARC) Project, MHRD, Govt. of India, Duration: April 2019 to March 2021.
2. B.B. Saha (PI), T. Miyazaki (Collaborator), **M. L. Palash (Collaborator)**, M.S. Sultana (Bangladesh-side Coordinator, Jahangirnagar University), F. Islam (Collaborator), M.A.H. Bhuiyan et al., Physico-chemical study to determine the impact of salinity on soil property and agro produced of delta region and its remediation, JSPS-UGC joint Research Project, Duration October 2018 to September 2020.

## RESEARCH EXPERIENCE

University/Institution	Status	Field	From - To
University of Dhaka	Faculty member	Study on local precursors for waste lithium-based energy cells	Sept. 2022 - continuing
University of Dhaka	Faculty member	Study of porous materials as an application on atmospheric water harvesting	Dec 2020 - continuing
Kyushu University, Japan	Doctoral study	Study on metal-organic frameworks for adsorption heat pump systems.	Oct. 2017 – Sept. 2020

(LAST UPDATE: 22 JAN 2023)

World Premier International Research Center (WPI)-I2CNER, Japan	WPI Research Support Staff	Surface energy study on porous materials for adsorption heat pumps, and Synthesis and characterization metal-organic frameworks for adsorption heat pump systems	Oct. 2017 – Sept. 2019
Nanyang Technological University (NTU), Singapore	Internship (abroad Japan)	Synthesis of metal-organic frameworks using hydrothermal process	Feb. 2018 – Mar. 2018
Kyushu University, Japan	Master course study	Topographic analysis of adsorbents using probe-based imaging technique	Oct. 2015 – Sept. 2017
Ristumeikan Asia Pacific University (APU), Oita, Japan	Internship (in Japan)	Socio-economic-environmental (SE2) impact of thermal power plan in developing countries	Jun. 2017 – Jul. 2017
University of Dhaka	Faculty member	Energy materials for the development of sustainable systems	Jan. 2015 – Sept. 2015
University of Dhaka	Faculty member	Frequency mapping for cooperative and cognitive radio networks	Jan. 2013 – Dec. 2015
University of Dhaka	Faculty member	Dynamic frequency distribution for wireless networks	Jan. 2010 – Dec. 2012
University of Dhaka	Master course study	Coverage planning of mobile WiMAX in urban and suburban environment using power scheduling scheme	Mar. 2008 – Mar. 2009
University of Dhaka	Bachelor course study	Survivability and fault tolerance of hierarchical MIP6	Jan. 2006 – Sept. 2006

## **AWARDS AND HONORS**

1. **Dean's Award**, Faculty of Engineering and Technology, University of Dhaka. In recognition of the outstanding achievement in research. Oct. 26, 2020, Dhaka, Bangladesh.
2. **"Young Researcher Award on Energy Research"**, Part of my research proposal was awarded for **"Silver Award"** with research grant of 0.4 Million JPY. The award was given by the president of Kyushu University under the "Kyushu University Platform of Inter-/Transdisciplinary Energy Research", Jan. 28, 2020, Fukuoka, Japan
3. **"President's award"**, for producing the most excellent results in the Kyushu University, Japan Challenge and Creation Project 2018 for independent research and investigations, March 29, 2019.
4. **WPI Research Support Staff**, World Premier International (WPI) Research Center, International Institute for Carbon-Neutral Energy Research, Kyushu University, Apr. 1, 2019-Mar. 31, 2020, Fukuoka, Japan.
5. **"Best Poster award"**, for conference paper presented at International Exchange and Innovation conference on Engineering & Sciences, Oct. 18-19, 2018, Fukuoka, Japan.
6. **"IGSES Fund, Kyushu University"**, for participating Hult Prize Global Accelerator Program 2018 in UK worth to 0.9 million JPY.
7. **"Hult Prize National Championship, Japan"**, as a team leader of S-cube, we have won the national championship of Japan for our project titled as "Distributed system for the farmers of Bangladesh", May 19-20, 2018, Osaka, Japan
8. **"QREC Challenge and Creation Award"**, won the challenge with 0.5 million JPY grant as a team member of S-cube, Kyushu University, May 13, 2018, Fukuoka, Japan.

9. **“QREC Jump Out Challenge Award”**, won the challenge as a team member of S-cube, Kyushu University, April 24, 2018, Fukuoka, Japan.
10. **WPI Research Support Staff**, World Premier International (WPI) Research Center, International Institute for Carbon-Neutral Energy Research, Kyushu University, Apr. 1, 2018-Mar. 31, 2019, Fukuoka, Japan.
11. **“QREC Global Challenge and Creation Award”**, won the challenge as a team member of S-cube, Kyushu University, Jan. 16 2018, Fukuoka, Japan.
12. **“Young Researcher Award on Energy Research”**, Part of my research proposal was awarded for **“Bronze Award”** with research grant of 0.3 million Yen. The award was given by the president of Kyushu University under the "Kyushu University Platform of Inter-/Transdisciplinary Energy Research", Jan. 30, 2018, Fukuoka, Japan
13. **“Hult Prize Kyushu University Championship, Japan**, as a team leader of S-cube, we have won the national championship of Japan for our project titled as “Distributed system for the farmers of Bangladesh”, Dec. 17, 2017, Fukuoka, Japan.
14. **IGSES DEANS’ AWARD-2017**, Awarded for outstanding research and academic performance at masters thesis, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Sept. 25, 2017, Fukuoka, Japan.
15. **Green Asia Research Assistance (GA-RA)**, Advanced Graduate Program in Global Strategy for Green Asia, Kyushu University, Japan, Apr. 1, 2016 - Sept. 30, 2018.
16. **Scholarship for Master leading to Ph. D.** under the prestigious program “Advanced Graduate Program in Global Strategy for Green Asia”, Kyushu University, Japan (Period: Oct. 2015 - Sept. 2020).

#### **SHORT-TERM FIELDWORKS AND TRAININGS**

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1. Hult Prize 2018 Global Accelerator Program, Hult Business School, London, UK (July 21 – Sept. 01, 2018).
2. Short-term field work FY2016 at National Yat-sen University, Taiwan Semiconductor Manufacturing Company (TSMC), Sinopharm at Kaohsiung, Taiwan (Jan 16-19, 2017).
3. Short-term fieldwork for 4 days at Yonsei University, Seoul, South Korea (Feb. 3-6, 2016).
  4. Domestic (Japan) factory visit for 2 days at Nippon Steel & Sumitomo Metal Corp. in Oita factory and Toyota Motor Kyushu Inc. (Miyata plant) (Dec. 10-11, 2015).

#### **BOOK CHAPTER**

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1. **M. L. Palash**, A. Pal, M. S. Islam and B. B. Saha "Characterizing Adsorbent Materials Employing Atomic Force Microscopy." Rapid Refrigeration and Water Protection. Springer, 2022 113-132 .

#### **JOURNAL PUBLICATIONS**

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1. T. H. Rupam, K. A. Rocky, **M. L. Palash** and B. B. Saha : Ethanol adsorption onto various metal organic frameworks for cooling applications, Thermal Science and Engineering Progress (impact factor:**4.56**) , vol.37 Elsevier , pp.101602 , 2022 .
2. I. Jahan, M. A. Islam, T. H. Rupam, **M. L. Palash** and B. B. Saha : Water adsorption characterization of bivalent metal doped HKUST-1, Thermal Science and Engineering Progress (impact factor:**4.56**) , vol.35 , pp.101453 , 2022 .
3. T. H. Rupam, B. B. Saha, **M. L. Palash** and A. Pal : Adsorption of volatile organic compounds onto biomass-derived activated carbons: Experimental measurement and comparison, ASME Open Journal of Engineering , vol.1 American Society of Mechanical Engineering , pp.011032 , 2022 .
4. T. H. Rupam, F. J. Tuli, I. Jahan, **M. L. Palash**, A. Chakraborty and B. B. Saha : Isotherms and kinetics of water sorption onto MOFs for Adsorption Cooling Applications, Thermal Science and Engineering Progress (impact factor:**4.560**) , vol.34, pp.101436 , 2022 .
5. T. H. Rupam, T. Steenhaut, **M. L. Palash**, Y. Flinchuk, S. Hermans and B. B. Saha : Thermochemical energy applications of green transition metal doped MIL 100(Fe), Chemical Engineering Journal (impact factor:**16.744**) , vol.448 , pp.137590 , 2022 .
6. Israt Jahan, Md. Amirul Islam, Tahmid Hasan Rupam, Mujib L. Palash, Kaiser Ahmed Rocky and Bidyut

- Baran Saha : Enhanced water sorption onto bimetallic MOF-801 for energy conversion applications, *Sustainable Materials and Technologies* (impact factor: **10.681**) , vol.32 , pp.e00442 , 2022 .
7. Tahmid Hasan Rupam, **M. L. Palash**, Anutosh Chakraborty and Bidyut Baran Saha : Insights of the adsorbents surface chemical properties effect on water adsorption isotherms, *International Journal of Heat and Mass Transfer* (impact factor: **5.431**) , vol.192 , pp.122842 , 2022 .
  8. Israt Jahan, Tahmid Hasan Rupam, **M L Palash**, Kaiser Ahmed Rocky and Bidyut Baran Saha : Energy efficient green synthesized MOF-801 for adsorption cooling applications, *Journal of Molecular Liquids* (impact factor: **6.633**), vol.345, pp.117760, 2021 .
  9. T. H. Rupam, **M. L. Palash**, M. A. Islam and B. B. Saha : Transitional metal-doped aluminum fumarates for ultra-low heat driven adsorption cooling systems, *Energy* (impact factor: **8.857**) , vol.238 Elsevier , pp.122079 , 2021 .
  10. L. G. Gordeeva, Y. Tu, Q Pan, **M. L. Palash**, B. B. Saha, Y. I. Aristov, R. Wang, “Metal-organic frameworks for energy conversion and water harvesting: a bridge between thermal engineering and material science”, *Nano Energy* (impact factor: **19.069**) ,84, 105946 (2021).
  11. K. A Rocky, A. Pal, T. H. Rupam, **M. L. Palash**, B. B. Saha, “Recent advances of composite adsorbents for heat transformation applications”, *Thermal Science and Engineering Progress* (impact factor: **5.7**), 100900 (2021).
  12. **M. L. Palash**, T. H. Rupam, A. Pal, A. Chakraborty, B. B. Saha, R. Wang, “ Design principles for synthesizing high grade activated carbons for adsorption heat pumps”, *Chemical Engineering Journal Advances*, 6, 100086 (2021).
  13. **M. L. Palash**, A. Pal, T. H. Rupam, B. Duck B. B. Saha, “Surface characterization of different particulate silica gels at infinite dilution” *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (impact factor: **4.539**), 603, 125209 (2020)
  14. **M. L. Palash**, I. Jahan, T. H. Rupam., S. Harish, B. B. Saha, “Novel technique for improving the water adsorption isotherms of metal-organic frameworks for performance enhancement of adsorption driven chillers” (impact factor: **2.545**), *Inorganica Chimica Acta*, 501 (2020).
  15. I. Jahan, M. A. Islam, **M. L. Palash**, K. A. Rocky, T. H. Rupam, B. B. Saha, “Experimental study on the influence of metal doping on thermophysical properties of porous aluminum fumarate”, *Heat Transfer Engineering* (impact factor: **2.320**), 42 , pp. 13-14, (2020).
  16. **M. L. Palash**, Sourav Mitra, Shivasankaran Harish, Kyaw Thu, Bidyut Baran Saha, “An approach for quantitative analysis of pore size distribution of silica gel using atomic force microscopy”, *International Journal of Refrigeration* (impact factor: **2.545**), 105, pp. 72-79 (2019).
  17. Md. Zahir Uddin Suja, Sunayana Binte Bashar, **M. L. Palash**, Subrata Das, “Parametric Study on subwavelength plasmonic nanostructure for enhanced optical transmission”, *Journal of the Bangladesh Electronics Society*, 14(1-2), pp. 35-42 (2014)
  18. **M. L. Palash**, M. Billah, M. J. Rashid, “Coverage planning of mobile WiMAX for the urban and suburban environment using power scheduling scheme”. *International Journal of Innovative Technology and Exploring Engineering*, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 3(5), pp 66-70 (2013).
  19. **M. L. Palash**, Md. Zahirul Hoque Mozumder, “Nanotechnology and Governance in Bangladesh”, *Nanotechnology Law and Business*, 10(2), pp. 146-156 (2013).
  20. Masum Billah, **M. L. Palash**, H. M. M Alam, “Load Balanced Routing Protocols for Ad Hoc Mobile Wireless Networks”, *International Journal of Engineering and Advanced Technology (IJEAT)*, 3(1), pp. 164-167 (2013).
  21. Santa Rahman, Md Nahid Hossain, Md Nizam Sayeed, **M. L. Palash**, “Comparative study between wireless regional area network (IEEE standard 802.22) and WiMAX and coverage planning of a wireless regional area network using cognitive radio technology”, *International Journal of Recent Technology and Engineering (IJRTE)*, 1(6), pp. 161- 163 (2013).
  22. Md. Amirul Islam, **M. L. Palash**, Md. Habibur Rahman,” A Microcontroller Based Digital Data Logger System for Solar Radiation Measurement”, *Journal of the Bangladesh Electronics Society*, 13 (1-2), pp. 73-79 (2013).
  23. Ayesha Zaman, **M. L. Palash**, Tanvir Atahari, Shahida. Rafique, “Comparison of Survivability & Fault Tolerance of Different MIP Standards”, *Radioelectronics & Informatics*, 4, pp. 14-17 (2009).



## INVITED LECTURES

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1. **M. L. Palash**, T. H. Rupam, A. Pal, B. B. Saha, " Novel Approach for Designing Synthesis Process of High-Grade Activated Carbon for Energy Applications", International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022), pp. 73, Dhaka, 2022
2. **M. L. Palash**, T. H. Rupam, A. Pal, B. B. Saha, "Experimental investigation of adsorption isotherms and heat of adsorption at Henry region for activated carbon/ethanol pairs," International Conference of Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), pp 389, 2021, Dhaka
3. **M. L. Palash**, B. B. Saha, "Surface energy characterization of various porous adsorbents", Hydrogenius and I2CNER Joint Research Symposium, Kyushu University, Jan 31, 2020, Fukuoka, Japan
4. B. B. Saha, **M. L. Palash**, "Metal-organic Frameworks as adsorbents for heat pump applications", The International Workshop on Environmental Engineering 2019, June 25-28, 2019, Nago Okinawa, Japan

## CONFERENCE/SYMPOSIUM PROCEEDINGS AND PRESENTATIONS

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1. T. H. Rupam, **M. L. Palash** and B. B. Saha "Effects of surface chemistry on water adsorption onto MOFs." International conference on Polygeneration 2021 , pp. 546-549. Virtual Conference: 2021 .
2. T. H. Rupam, **M. L. Palash** and B. B. Saha "Performance Evaluation of an Adsorption Heat Pump Having Transitional Metal Doped Green Aluminum Fumarates as Adsorbents." International Sorption Heat Pump Conference (ISHPC) , pp. 79-83. Berlin: 2021 .
3. **M. L. Palash**, T. H. Rupam, A. Pal and B. B. Saha "Experimental investigation of adsorption isotherms and heat of adsorption at Henry region for activated carbon/ethanol pairs." International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021)- Invited talk , pp. 389. Dhaka: 2021 .
4. T. H. Rupam, **M. L. Palash**, S. Gajghate, S. Bhaumik and B. B. Saha "Thermodynamic Performance Indicators for Water Based Adsorption Chillers." Proceedings of the Annual Technical Volume of Mechanical Engineering Division Board, Advances in Thermodynamics and Heat Transfer , pp. Vol. 5, pp 9-13. Kolkata: Institute of Engineers (India), 2020
5. **M. L. Palash\***, Animesh Pal, Bidyut Baran Saha, "Investigation of surface energy of porous adsorbents", 5<sup>th</sup> International exchange and Innovation Conference on Engineering & Sciences (IEICES 2019), pp. 32-33, Oct 24-25, 2019, Fukuoka, Japan. (**Oral presentation**)
6. Tahmid Hasan Rupam\*, **M. L. Palash**, Israt Jahan, Bidyut Baran Saha, "Adsorption characteristic of aluminium fumarate metal-organic frameworks", 5<sup>th</sup> International exchange and Innovation Conference on Engineering & Sciences (IEICES 2019), pp. 34-35 Oct 24-25, 2019, Fukuoka, Japan.
7. T. H. Rupam\*, **M. L. Palash**, Israt Jahan, S. Bhaumik and B. B. Saha "Shifting of adsorption isotherm induced by transitional metal doping in aluminum fumarate" International Conference on "Water, Energy and Biodiversity (WEB) for Sustainable Development of BIMSTEC Countries (WEB for BIMSTEC-2019)" Agartala, Tripura, India, 12-14 December 2019. (**Best Presentation Award**).
8. Tahmid Hasan Rupam\*, **M. L. Palash**, Israt Jahan, Bidyut Baran Saha, "Adsorption characteristic of aluminium fumarate metal-organic frameworks", 5<sup>th</sup> International exchange and Innovation Conference on Engineering & Sciences (IEICES 2019), pp. 34-35 Oct 24-25, 2019, Fukuoka, Japan.
9. **M. L. Palash\***, Animesh Pal, Kyaw Thu, Bidyut Baran Saha, "Study on Surface Characteristics of Various Adsorbents using Inverse Gas Chromatography", 5<sup>th</sup> International Conference on Polygeneration (ICP 2019), May 15-17, 2019, Fukuoka, Japan. (**Poster presentation**)
10. B. B. Saha\*, **M. L. Palash**, "Metal-organic Frameworks as adsorbents for heat pump applications", the International Workshop on Environmental Engineering 2019, Nago, Okinawa, Japan, June 25-28, 2019.
11. **M. L. Palash\***, Kyaw Thu, Bidyut Baran Saha, "Qualitative and Quantitative characterization of nanoporous materials" International Exchange and Innovation Conference on Engineering & Sciences,

Oct. 18-19, 2018, Fukuoka, Japan. (**Poster presentation**) (**Best poster award**)

12. **M. L. Palash\***, Kyaw Thu, Bidyut Baran Saha, “Surface Characterization of Porous Materials for Adsorption Cooling Systems”, International Conference on Material Science and Semiconductor Devices, Sept. 7-8, 2018, Dhaka, Bangladesh. (**Oral presentation**)
13. **M. L. Palash\***, S. Mitra, S. Harish, Kyaw Thu, B. B. Saha, “Topographic analysis of silica gel imaged with atomic force microscopy”, The 18<sup>th</sup> Cross-Straits Symposium on Energy and Environmental Science & Technology, pp. 47-48, Dec. 4-6, 2016, Shanghai, China. (**Oral presentation**)
14. **M. L. Palash\***, S. Mitra, S. Harish, Kyaw Thu, K. Takahashi, B.B. Saha “An Approach for Quantitative Analysis of Pore Size Distribution of Silica Gel Using Atomic Force Microscopy”, International Sorption Heat Pump Conference (ISHPC 2017), Aug. 7-10, 2017, Tokyo, Japan. (**Oral presentation**)
15. **M. L. Palash\*** “Topographic analysis of silica gel imaged with Scanning Probe Microscopy”, FY2016 Green Asia Program Short-term Fieldwork in Taiwan, Jan. 17-19, 2017, Kaohsiung, Taiwan. (**Oral presentation**)
16. **M. L. Palash\***, S. Mitra, K. Thu, B. B. Saha, “Implementing direct imaging technique for quantitative analysis of surface porosity of mesoporous adsorbents”, Q-PIT annual symposium, Jan. 30, 2018, Fukuoka, Japan. (**Oral presentation**)
17. **M. L. Palash\***, S. Mitra, K. Thu, B. B. Saha, “Study of In-situ and Ex-situ Porosity Of Mesoporous Silica Gel”, International Forum for Green Asia 2017, Kyushu University, November, 2017, Fukuoka, Japan. (**Oral presentation**)
18. **M. L. Palash\***, Zahirul Haque Mazumder, “Nanotechnology and Governance in Bangladesh”, Nanotechnology- in the edge of convergence, Nov. 24-27, 2011, Selangor, Malaysia. (**Oral presentation**)

\*presenting author

#### **Academic and Professional Service**

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##### **Journals:**

- **Guest Editor:** Polymers (**IF: 4.967**)
- **Reviewer:** International Journal of Refrigeration (**IF: 4.14**), Applied Thermal Engineering (**IF: 6.465**), Industrial and Engineering Chemistry Research (**IF: 3.764**), Sustainability (**IF: 3.889**), Journal of Process Mechanical Engineering (**IF: 1.822**), Sensors (**IF: 3.847**), Dhaka University Journal of Applied Science and Engineering.

##### **Conference Management:**

- Member, Scientific Sub-committee-International Conference on Environmental Protection for Sustainable Development, 2022
- Member, Scientific Sub-committee- BCSIR congress 2022

#### **EXTRACURRICULAR ACTIVITIES**

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- Winner, Kyushu Summer Cup 2019, played as captain of “Team Bangladesh” cricket team, Fukuoka, Japan
- Runner-up, KUFSA Badminton Tournament 2019, Kyushu University, Fukuoka, Japan
- Six-time winner of Inter-Department Basketball Tournament, University of Dhaka, Bangladesh
- Participated in Inter Department Cricket Tournament at University of Dhaka as a strike bowler
- Participated in Inter Department Football Tournament at University of Dhaka, played centre-back defender

(LAST UPDATE: 22 JAN 2023)

- Winner, Inter department Soft-ball tournament, IGSES faculty, Kyushu University, Japan