

Muzaffar Hussain

Assistant professor at BGSBU Rajouri
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Objective

To do my task with full dedication as a part of an organization with sincerity and be a learner throughout my life is my major professional objective that always gives me the strength to work much harder than yesterday. To excel in academics and research, that encourages learning abilities and competitive skills and to do my work with utmost commitment and honesty.

Teaching Experience

- Presently working as **Assistant Professor** in the Department of Electrical &Renewable Energy Engineering, Baba Ghulam Badshah University (BGSBU) Rajouri w.e.f 6th September 2016.
- 1 year experience as a Assistant professor in National Institute of Technology (NIT) Srinagar (2015-2016)
- 6moths Experience as Assistant Professor in Greater Noida Institute of Technology Greater Noida UP(2014-2015)

Educational Qualification

Year	Level	Board/ University	College/School	GPA/ Marks
2019	Ph.D(Pursuing)	Gautam Buddha University, GreaterNoida	School of Engineering	-
2014	M.Tech (PowerSystem)	Gautam Buddha University, GreaterNoida	School of Engineering	8.02
2011	B.E(Electrical Engineering)	Jammu University	Govt College of Engineering &Technology Jammu	62.6%
2006	12 th	Jammu and Kashmir board of school education	Tyndale Bisco Srinagar	60.6%
2004	10 th	Jammu and Kashmir board of school education	Shah Hamdan Memorial Institute	76.6%

Areas of Interest

Power system

Control system

Renewable Energy Technologies

Nano-technology

Nanomaterial

High Voltage

Project (TEQIP-III)

Received minor grant of Rs. 3 Lakh under TEQIP III on “Dielectric break down of a transformer oil using nanofluids.

M.Tech Thesis.

Sub-optimal controller design for power system model incorporating sensitivity considerations

B.Tech Project.

Decentralization of energy

Industrial Training

Summer Training for six weeks at Lower Jhelum Hydro Power Project Uri Baramulla J&K.

Research Papers.

1. Muzaffar Hussain, Priyanka Singh, “Solar a better approach national conference” (*INDIACOM*) 2013.) Muzaffar Hussain, Priyanka Singh, “Solar a better approach national conference” (*INDIACOM*) 2013.
2. Muzaffar Hussain, Mubashir ul zaman, Shahid Iqbal, “Performance investigation of a single-phase unidirectional buck convertor for improved power quality”. *IEEE xplore* 12 June 2014 10.1109/IndiaCom.2014.6828148
3. Muzaffar Hussain, Mohd Amir, et al. “Preparation and characterization of alpha Fe₂O₃ nanoparticles” *2 days national science conference in march 19-20 2018*
4. Muzaffar Hussain, Mohd Amir, et al. “Effect of annealing temperature on synthesis of iron oxide nanoparticles” *2 days national science conference in march 19-20 2018*
5. Shakir, Amit Jain, Manish, Muzaffar Hussain. “ESRFT with ISCT fundamental extractor theory based DVR controller used for power quality improvement” in *international journal of advance engineering & research development volume 5, issue 09, September 2018*
6. Muzaffar Hussain, Dr. Feroz Mir “Effect of annealing temperature on different properties of iron oxide nanoparticles” *international conference on mechanical engineering and allied science in september 2018*

7. Muzaffar Hussain, Tahir Khursid “Sub-Optimal Controller Design for Power System” *International Conference on communication and advanced computing (ICOAC-2018)*
8. Shakir, Amit Jan, Muzaffar Hussain, “Power Quality enhancement by using IRPT with ISCT fundamental extractor based control algorithm for DVR” *International Conference on communication and advanced computing (ICOAC-2018)*
9. Muzaffar Hussain, Dr Feroz Mir, Dr M.A. Ansari “Nanofluid transformer oil for cooling and insulating applications: A brief review” *Applied Surface Science Advances*, Volume 8, April 2022, 100223
10. Muzaffar Hussain, Feroz Mir, M.A. Ansari “Effect of Iron oxide Nanoparticles based nanofluid on transformer cooling” *international conference on Nanotechnology for Better Living* in september 2021 at NIT Srinagar
11. Muzaffar Hussain, Feroz Mir, M.A. Ansari “Effect of Iron oxide Nanoparticles based nanofluid on transformer cooling” *International Conference On Renewable Energy In February 25-27, 2022 Organised By Centre For Non-Conventional Energy Resources (Cncer), University Of Rajasthan, Jaipur, India In Association With International Association For Hydrogen Energy (Iahe), Usa & Mrsi, Rajasthan Chapter*

Workshops

1. Two days workshop on LABVIEW & its applications April 27 to April 28, 2015
2. one week workshop on basics of MATLAB programming and Simulink organized by Department of ERE, BGSBU November 15 to November 19, 2016
3. one week workshop on Scilab programming organized by NITTR Chandigarh August 21 to August 25, 2017
4. one week workshop on Power Quality Monitoring and Analysis organized by NITTR Chandigarh October 30 to November 03, 2017
5. one week workshop on MATLAB & LABVIEW with its hardware interface organized by NITTR Chandigarh January 29 to February 02, 2018
6. one week workshop on Sustainable Creativity and Innovation Management organized by NITTR Chandigarh September 24 to September 28, 2018
7. one week workshop on Recent advances in power & energy engineering organized by Department of ERE, BGSBU
8. one week workshop on Tools for scientific research in engineering and science organized by NITTR Chandigarh November 12 to November 16, 2018
9. one week workshop on pedagogy & Research organized by IIT Bombay, June 04 to June 08, 2018
10. one week workshop on Internet of things through ICT organized by NITTR Chandigarh August 06 to August 10, 2018
11. one week workshop on Life skills development through ICT organized by NITTR Chandigarh July 30 to August 03, 2018

- 12.
13. one week workshop on Recent advances and industrial application of power electronics converters and electrical machines organised by Aligarh Muslim University *October 22 to October 26, 2018*
14. one week workshop on Machine learning organized by department CSE, BGSBU October 31 to November 04, 2018
15. One week Faculty Development Programme on “Impactful Online Teaching and Student Engagement organized by Uttarakhand Science Education and Research Centre, Department of Information & Science Technology *August 4, 2020 to August 9, 2020*
16. Recent Trends in Manufacturing” organized by Mahatma Gandhi institute of technology, Department of Mechanical Engineering (Mechatronics) 28 July – 01 August 2020
17. Recent Research trends in electrical engineering organized by department of EE GBU 14-18 July 2020
18. Emerging trends in power and energy systems organized by department of EE GBU 24-28 Aug 2020
19. One month orientation programme organized by Teaching learning center, Ramanujan college university of delhi 01 to 30 September 2020
20. One week FDP on engineering physics and material science organized by department of physics Chaitanya Bharathi institute of technology 03 Aug to 07 Aug 2020

Computer Proficiency

- Applications-MS Office.
- Complete working knowledge in internet applications.
- C programming, Fortran.
- MATLAB/Simulink
- LABVIEW
- Scilab
- Latex
- Mendeley software
- Origin
- COMSOL Multiphysics

Core Competencies

- Good communication skills.
- Good convincing power, ability to deal with people diplomatically.
- Analytical approach to solve the problem.
- Creative and practical approach.
- Willingness to learn and work smart.

Extracurricular activities

- IEEE member
- Newspaper reading, Mountaineering, Sports, cultural activities
- Play an active role in organizing different awareness programmes under national service scheme

Personal Profile:

Date of Birth: 28/02/1988.
Fathers Name: Mohammad Yousuf wagay .
Linguistic Ability: English, Urdu, Kashmiri, Hindi ,Arabic
Marital status: Married
Nationality: Indian.
Religion: Islam
Postal address: Ganowpora Areshi shopian J&K 192303

References

1. Dr. Shabana Urooj
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2. Dr Feroz Ahmad Mir
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