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## Dr. Engr. AZIM UDDIN

### Young Researcher Award 2023-Chinese Society of Composite Materials-CSCM

A highly motivated young scientist in the field of advanced multifunctional composite materials based on metallic fibers/2D micro-nanostructures/porous carbon/biodegradable materials for microwave absorption, electromagnetic shielding, dielectrics antennae, energy storage, microwave and high-frequency measurements. Published 25+ SCI papers in major international journals with a cumulative impact factor of +150 and an *h-index* of 12. As a co-investigator, participated in several National Natural Science Foundation of China (NSFC) projects and a Key R&D project of the Ministry of Science and Technology.

## PROFESSIONAL EXPERIENCE

**POSTDOC RESEARCH FELLOW**–Key Laboratory of the Ministry of Education & International Center for Dielectric Research, School of Electronic Science and Engineering, *Xi'an Jiaotong University*, Xi'an, China

[09-2024 – Present]

**KEQIAO TALENT**– *Zhejiang (Shaoxing) High-Level Foreign Experts Innovation Center*, Shaoxing, China

[08-2024 – Present]

**POSTDOC RESEARCHER** – *Zhejiang University*, Hangzhou, China

[2020 – 2024]

**PROJECT COORDINATOR** – *International Academic Affairs-NUST MISiS*, Moscow, Russia

[2016 – 2017]

**RESEARCH INTERN** – *National Chiao Tung University*, Hsinchu, Taiwan

[2016]

**ELECTRICAL ENGINEERING-EE SUMMER SCHOOL** – *Wroclaw University of Technology*, Poland

[2016]

**NETWORK / SYSTEM SUPPORT ENGINEER** – *Comstar Information Systems Associates LTD*, Pakistan

[2014 – 2015]

**INTERN** – *Pakistan Telecommunication Company Limited (PTCL)*, Pakistan

[2014]

**INTERN** – *Comstar Information Systems Associates LTD*, Pakistan

[2013]

**RESEARCH INTERN** – *Creative Dynamics Engineering LTD*, Pakistan

[2013]

**INTERN** – *Fayyaz Cotton (PVT) LTD*, Pakistan

[2012]

## EDUCATION

**Zhejiang University, China**

[2017 – 2020]

Ph.D. - *Material Sciences and Engineering* (Materials in Physics & Chemistry)

**SUPERVISOR:** Research Prof. Faxiang Qin, China

**NUST MISiS - National University of Science and Technology MISiS, Russia**

[2015 – 2017]

M.Sc.-*Nanotechnology and Materials for Micro & Nano-systems* (with CGPA 4.95/5.0)

**SUPERVISOR:** Prof. Larissa V. Panina, Russia

**PAF KIET - PAF - Karachi Institute of Economics and Technology, Pakistan**

[2010 – 2014]

B.E.-*Electronics Engineering* (CGPA 3.52/4.0 (82.05%))

**SUPERVISOR:** Dr. Faizan Jawaid, Pakistan

## TEACHING EXPERIENCE

**TEACHING ASSISTANT**– *Zhejiang University, China*

Materials Design & Processing; Polymer nanocomposites and characterization; Fundamentals of Electromagnetic composites; Metal Carbon Nano-composite; Structures and Properties of Materials; Spectroscopic Methods for Material Characteristics.

[2021 – 2024]

**ADJUNCT TEACHER** – *Private Karachi Institute of Education, Pakistan*

Environmental Chemistry; Nanotechnology; Advanced Physics; Electronic and Magnetic Materials; Advanced Materials Design and Selection.

[2013 – 2015]

**TEACHING ASSISTANT & GRADER** – *PAF-KIET, Pakistan*

Fundamental of Electronics Electronic Circuit Design; Digital System Design and Applications; Data Communication; Electromagnetic Field and Waves; Microwave and Radiation Systems; Power Electronics and Drives; Linear Control Systems.

[2011 – 2014]

*(Azim Uddin)*

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## HONORS & GRANTS

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- Joint Research Project Pakistan Science Foundation (PSF) and National Natural Science Foundation of China (NSFC) “Integrated Bio-Giant Magneto impedance Sensor and Electronics” 2021YFE0100500, **2021-2024, 150万元, Co-Investigator.**
- National Natural Science Foundation of China “High-performance stealthy metacomposites based on integrated design of material structure” NSFC 5217130045, **2021 – 2023, 300k元, Co-Investigator.**
- **2nd place Materials Science Engineering-MSE-ZJU’2019** - Poster exhibition. (Hangzhou, China)
- **3rd- China International Congress on Composite Materials 2017**, Hangzhou, China.
- **Two-High Doctoral Scholarship 2017-2020**, Zhejiang University, China.
- **Best oral poster presentation** - “Saint Petersburg OPEN Conference-2017”. (Saint Petersburg, Russia)
- **Science Day Conference 2016-2017** - NUST MISiS. Moscow, Russia.
- **International Scientific Seminar 2015** - NUST MISiS, Moscow, Russia.
- **Masters Studies Scholarship 2015-2017** - The Russian Ministry of Education and NUST MISiS University, Russia.
- **Presidential and Directorial Academic awards** - 2010-2014, PAF KIET, Pakistan.
- **Best Final Year Project Award** - SPEC’2014, PAF-KIET, Pakistan.
- **2nd Prize** - KIET INTRA-MUN’2013, Pakistan.

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## MAIN PROJECTS

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- Sustainable electromagnetic shields based on bio-mass sources
- Development of a homemade free-space electromagnetic measurement system
- Integrated Bio-Giant Magnetoimpedance Sensor and Electronics
- Design, fabrication, and microwave characterization of tunable microwire metacomposites

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## PROFESSIONAL SKILLS

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### TECHNICAL SKILLS

- Familiar with the synthesis of biomass-derived porous carbon, heterostructured micro/nanomaterials, magnetic metallic fibers (melt-spinning, Taylor–Ulitovsky) as well as flexible microwave sensors.
- Proficiency in the use of Vector Network Analyzer (VNA), Physical Property Measurement System (PPMS), X-ray Diffraction (XRD), Differential Scanning Calorimetry (DSC), Magnetic Force Microscopy (MFM), Pulsed laser deposition (PLD), and other relevant characterizations.

### IT SKILLS

- Basic command over Visual Studio, Proteus, Solid Works, LabView, iDirect (iMonitor, iBuilder, iSite), Matlab, Linux, Multi-Sim, ORCAD, Auto CAD, and MS Project software.
- Certification of Fundamentals of PLC (Ladder Programming) on Siemens-S700 - Dynamic Institute of Technology, Pakistan.

### LANGUAGES

- English (Fluent), Russian (Fluent), Chinese (Elementary)

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## MISCELLANEOUS

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### STUDENT SUPERVISION

- Li Haoyang (B.Sc., Zhejiang University, China); “*Study on the magnetic properties of amorphous microwire used in magnetic cores*”.

### INVITED TALKS & CONFERENCES

- 2024 – **Keqiao International Park, China**; “*International Experts Seminar on Research & Development (IESRD 2024)*”.
- 2024 – **Zhejiang University, China**; “*Design Optimization of Multifunctional Metallic Metacomposite Materials*”.
- 2024 – **Habib University, Pakistan**; “*Micro/Nano Biosensors and Readout Electronics: Indigenous and Global Progress and Opportunism*”.
- 2023 – **Beijing University of Technology, China**; “*Recent Advancement on Green Composite Materials for Microwave Electronic Applications*”.
- 2023 – **Tiangong University, China**; “*Recent Advancements in Metacomposite Materials and Their Applications*”

### MEMBERSHIPS AND ACADEMIC SERVICES

- **Member of Chinese Society of Composite Materials (E63270069HY)-CSCM, China.**
- **Academic Editorial Board Member:** Heliyon; Elsevier, PLOS.
- **Review Editor:** Frontiers in Nanotechnology.
- **Topical Advisory Panel Member:** Materials; Bioengineering; Sustainability; Symmetry; Journal of Functional Biomaterials.
- Member of **Pakistan Engineering Council (PEC)**, Pakistan, from 2015.

### ACCLAIMED RESEARCH FINDINGS

- <http://www.composites.zju.edu.cn/en/xsdt.asp?id=690&bigtitle=Others&title=News>
- <http://www.composites.zju.edu.cn/cn/xsdt.asp?id=974&bigtitle>
- <https://mp.weixin.qq.com/s/X8O0R8GYS9ZomB9hU2UX0g>

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## HOBBIES & INTERESTS

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- Participate actively in social networking and internet forums.
- Zumba Instructor. Traveling & exploring the globe.
- Attend national/international conferences around the globe.

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## REFERENCES

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**Name:** Prof. Remo P. Zaccaria  
**Position:** Head of DELTA Lab,  
IIT, Italy  
**Email:** [remo.proietti@iit.it](mailto:remo.proietti@iit.it)  
**Cell #** +39-010-2896-247

**Name:** Prof. Faxiang Qin  
**Position:** Deputy Director of  
InCSI, Zhejiang University, China  
**Email:** [faxiangqin@zju.edu.cn](mailto:faxiangqin@zju.edu.cn)  
**Cell #** +86-571-87952660

**Name:** Prof. Larissa V. Panina  
**Position:** Head of the INMN,  
NUST MISiS, Russia  
**Email:** [drpanina@gmail.com](mailto:drpanina@gmail.com)  
**Cell #** +7-926-0765513

*(Azim Uddin)*

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## LIST OF PUBLICATIONS:

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### First author/equally contributing publications:

1. **A. Uddin**, D. Estevez, H.X. Peng, F. Qin, Design and validation of an automated and remote free space measurement system for nondestructive testing of fiber composites, *Mater. Today Nano*. 28 (2024) 100521. doi:10.1016/j.mtnano.2024.100521. (Q1, IF: 8.2)
2. D. Estevez\*, **A. Uddin\***, M. Salem, Electric – magnetic synergism in BaTiO<sub>3</sub> -magnetic microwire/silicone rubber composites for enhanced microwave and electromagnetic shielding tunability, *Eur. Phys. J. Plus*. 138 (2023) 1–9. doi:10.1140/epjp/s13360-023-04451-x. \*Equally contributing authors (Q2, IF: 3.4)
3. **A. Uddin**, D. Estevez, R. Khatoon, F.X. Qin, Thermally stable silicone elastomer composites based on MoS<sub>2</sub>@Biomass-derived carbon with a high dielectric constant and ultralow loss for flexible microwave electronics, *ACS Appl. Mater. Interfaces*. 15 (2023) 27144–27155. doi:10.1021/acsami.3c02587. (Q2, IF: 10.383)
4. **A. Uddin**, F.X. Qin, D. Estevez, K. Gorbatov, Y. Zhao, D. Makhnovskiy, Broadband measurements of the surface impedance in ferromagnetic wires as a boundary condition for scattering problems, *Meas. Sci. Technol*. 34 (2022) 1–13. doi:10.2139/ssrn.4305418. (Q2, IF: 2.398)
5. **A. Uddin**, M. Nematov, M. Salem, Magnetoimpedance hysteresis effects in amorphous glass-coated microwires for embedded sensing applications, *Technol. Forces J. Eng. Sci.* 4 (2022) 9–15.
6. **A. Uddin**, R. Khatoon, D. Estevez, M. Salem, A. Ali, S. Attique, J. Lu, F.X. Qin, Waste Paper Cellulose Based-MoS<sub>2</sub> Hybrid Polymer Composites: Towards Sustainable Green Shielding, *Mater. Today Commun.* 31 (2022) 1–10. doi:10.1016/j.mtcomm.2022.103858. (Q2, IF: 3.568) (Highly Cited Paper)
7. **A. Uddin**, Y. Zhao, F.X. Qin, On Hybrid Approach in Microwave Scattering Theory for Wire-filled Composites, *Photonics Electromagn. Res. Symp., IEEE*, Hangzhou, 2021: pp. 528–534. doi:10.1109/PIERS53385.2021.9694931.
8. **A. Uddin**, D. Estevez, F.X. Qin, From functional units to material design: A review on recent advancement of programmable microwire metacomposites, *Compos. Part A*. 153 (2022) 106734. doi:10.1016/j.compositesa.2021.106734. (Q2, IF: 9.463)
9. **A. Uddin**, F.X. Qin, D. Estevez, H.-X. Peng, Vertical interface augmented tunability of scattering spectra in ferromagnetic microwire/silicone rubber metacomposites, *EPJ Appl. Metamaterials*. 10 (2021) 1–10. doi:10.1051/epjam/2021003.
10. Y.L. Xu\*, **A. Uddin\***, D. Estevez, Y. Luo, H.X. Peng, F.X. Qin, Lightweight microwire/graphene/silicone rubber composites for efficient electromagnetic interference shielding and low microwave reflectivity, *Compos. Sci. Technol*. 189 (2020) 1-9. doi: 10.1016/j.compscitech.2020.108022. \*Equally contributing authors (Q1, IF: 9.876) (Highly Cited Paper)
11. **A. Uddin**, D. Estevez, F.X. Qin, H.X. Peng, Programmable microwire composites: from functional units to material design, *J. Phys. D Appl. Phys.* 53 (2020) 1-11. doi: 10.1088/1361-6463/ab6ccd. (Q3, IF: 3.403)
12. **A. Uddin**, F.X. Qin, D. Estevez, S.D. Jiang, L.V. Panina, and H.X. Peng; Microwave programmable response of Co-based microwire polymer composites through wire microstructure and arrangement optimization; *Composites Part B* 176 (2019) 107190. doi: 10.1016/j.compositesb.2019.107190. (Q1, IF: 11.322)
13. **A. Uddin**, S A Evstigneeva, A. Dzhumazoda, M.M. Salem, M.G. Nematov, A. M. Adam, L.V. Panina and A. T. Marchenko; Temperature Effects on the Magnetization and Magnetoimpedance in Ferromagnetic Glass-Covered microwires; *Institute of Physics Conference Series-2017*. doi: 10.1088/1742-6596/917/8/082011

### Co-authored publications:

14. M.A. Darwish, N.L. Torad, D. Zhou, I.M. Maafa, A. Yousef, **A. Uddin**, M.M. Salem, Optimizing BHF/PVDF composites via compression molding for high-frequency applications and electromagnetic shielding, *Ceram. Int*. 50 (2024) 50263–50270. doi:10.1016/j.ceramint.2024.09.371. (IF: 5.1)
15. G. Rasool, W. Xinhua, T. Sun, T. Hayat, **A. Uddin**, et. al., Recent advancements in battery thermal management system (BTMS): A review of performance enhancement techniques with an emphasis on nano-enhanced phase change materials, *Heliyon*. 10 (2024) e36950. doi:10.1016/j.heliyon.2024.e36950. (IF: 3.4)
16. S. Yasin, M. Hussain, **A. Uddin**, Q. Zheng, J. Shi, Recycling of binary polymer (PET / SBR) carpet into microfibrillar composites : A life cycle perspective with microplastics quantification, *Sustain. Mater. Technol*. 40 (2024) e00988. doi:10.1016/j.susmat.2024.e00988. (IF: 9.6)
17. A.A. Babangida, **A. Uddin**, K.T. Stephen, B.A. Yusuf, A Roadmap from Functional Materials to Plant Health

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- Monitoring (PHM), *Macromol. Biosci.* 2300283 (2023) 1–23. doi:10.1002/mabi.202300283 (IF: 5.859)
18. Q. Jiang, J. Duan, **A. Uddin**, X. Wu, H. Yi, L. Wu, A waffle structured composite for RCS reduction via absorption and scattering mechanisms, *Mater. Des.* 226 (2023) 111650. doi:10.1016/j.matdes.2023.111650. (IF: 9.417)
  19. Q. Jiang, Y. Qiao, **A. Uddin**, F.X. Qin, L. Chen, L. Wu, Tailoring electromagnetic response of three-dimensional waffle-like metacomposite based on arrangement angle of ferromagnetic microwires, *Compos. Part B.* 247 (2022) 110298. doi:10.1016/j.compositesb.2022.110298. (IF: 11.322)
  20. M. Hussain, S. Yasin, **A. Uddin**, M. Lu, Z. Qiang, Y. Song, Nonlinear rheology of silicone rubber composites with tailored mechanical and dielectric properties, *Compos. Commun.* 35 (2022) 101328. doi:10.1016/j.coco.2022.101328. (IF: 7.568)
  21. Y. Qiao, Q. Jiang, **A. Uddin**, F.X. Qin, L. Wu, Three-Dimensional Metacomposite Based on Different Ferromagnetic Microwire Spacing for Electromagnetic Shielding, *J. Donghua Univ.* (English Ed. 39 (2022) 206–210. doi:10.19884/j.1672-5220.202105006.
  22. A. Ali, K. Fahad, S. Alabbosh, A. Naveed, **A. Uddin**, Y. Chen, T. Aziz, J.M. Moradian, M. Imran, L. Yin, M. Hassan, W.A. Qureshi, M.W. Ullah, Z. Fan, L. Guo, Evaluation of the Dielectric and Insulating Properties of Newly Synthesized Ethylene/1-Hexene/4-Vinylcyclohexene Terpolymers, *ACS Omega.* 7 (2022) 31509–31519. doi:10.1021/acsomega.2c04123. (IF: 4.132)
  23. Q. Jiang, Y. Qiao, **A. Uddin**, X. Wu, F.X. Qin, H. Yi, L. Wu, Influence of impact on electromagnetic response of three-dimensional angle-interlock metacomposites, *Compos. Commun.* 30 (2022) 101076. doi:10.1016/j.coco.2022.101076. (IF: 7.568)
  24. Q. Jiang, Y. Qiao, C. Xiang, **A. Uddin**, L. Wu, F.X. Qin, Metacomposite based on three-dimensional ferromagnetic microwire architecture for electromagnetic response, *Adv. Compos. Hybrid Mater.* (2021). doi:10.1007/s42114-021-00394-y. (IF: 11.806)
  25. R. Khatoon, Y. Guo, S. Attique, N. Ali, **A. Uddin**, Y. Tian, H. Tang, X. Gao, Q. He, Z.P. Li, Z. Ye, J. Lu, Advanced Configuration of N-Enriched Carbonized Tissue Paper as a Free-Standing Interlayer for Lithium-Sulfur Batteries at Wide-Range Temperatures, *ACS Appl. Energy Mater.* 4 (2021) 10091–10103. doi:10.1021/acsaem.1c02008. (IF: 6.959)
  26. A. Ali, **A. Uddin**, M.I. Jamil, X. Shen, M. Abbas, T. Aziz, M. Hussain, S. Hussain, R. Fang, Z. Fan, L. Guo, Kinetics and mechanistic investigations of ethylene-propylene copolymerizations catalyzed with symmetrical metallocene and activated by TIBA/borate, *J. Organomet. Chem.* 949 (2021) 1–12. doi:10.1016/j.jorganchem.2021.121929. (IF: 2.345)
  27. A. Ali, M.I. Jamil, **A. Uddin**, M. Hussain, T. Aziz, M. K. Tufail, Y. Guo, B. Jiang, Z. Fan, L. Guo, Kinetic and thermal study of ethylene-propylene copolymerization catalyzed by ansa-zirconocene activated with Alkylaluminium/borate: Effects of linear and branched alkylaluminium compounds as cocatalyst, *J. Polym. Res.* 28 (2021) 1–15. doi:10.1007/s10965-021-02525-x. (IF: 3.061)
  28. A. Ali, N. Muhammad, S. Hussain, M.I. Jamil, **A. Uddin**, T. Aziz, M.K. Tufail, Y. Guo, T. Wei, G. Rasool, Z. Fan, L. Guo, Kinetic and Thermal Study of Ethylene and Propylene Homo Polymerization Catalyzed by ansa-Zirconocene Activated with Alkylaluminum/Borate: Effects of Alkylaluminum on Polymerization Kinetics and Polymer Structure, *Polymers (Basel).* 13 (2021) 1–20. doi:10.3390/polym13020268. (IF: 4.967)
  29. **A. Uddin**, F.X. Qin, D. Estevez, H.-X. Peng, Vertical interface augmented tunability of scattering spectra in ferromagnetic microwire/silicone rubber metacomposites, *EPJ Appl. Metamaterials.* 10 (2021) 1–10. doi:10.1051/epjam/2021003.
  30. S. Zhao, F.X. Qin, Y. Luo, Y. Wang, **A. Uddin**, X. Zheng, D. Estevez, H. Wang, H.X. Peng, Responsive left-handed behavior of ferromagnetic microwire composites by in-situ electric and magnetic fields, *Compos. Commun.* 19 (2020) 246–252. doi:10.1016/j.coco.2020.04.012. (IF: 7.568)
  31. M. Adam, M.M. Salem, M.G. Nematov, **A. Uddin**, L.V. Panina; Effect of current annealing on magnetic anisotropy in glass-coated amorphous microwires with positive magnetostriction; *IEEE International Magnetism Conference, INTERMAG Europe-2017* (Dublin, Ireland). doi: 10.1109/INTMAG.2017.8007790
  32. M.G. Nematov, M.M. Salem, **A. Uddin**, M. Akhmat, A.T. Morchenko, N.A. Yudanov, L. V. Panina, Effect of Mechanical Stresses and Annealing on the Magnetic Structure and the Magnetic Impedance of Amorphous CoFeSiBCr Microwires, *Phys. Solid State.* (2018). doi:10.1134/S1063783418020178.

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33. М.Г. Неъматов, М.М. Салем, У. Азим, М. Ахмат, А.Т. Морченко, Н.А. Юданов, Л.В. Панина, Влияние механических напряжений и отжига на магнитную структуру и магнитоимпеданс аморфных CoFeSiBCr микропроводов, *Журнал Технической Физики*. 60 (2018) 323. doi:10.21883/FTT.2018.02.45387.234.
34. M.M. Salem, M.G. Nematov, A. Uddin, L. V. Panina, M.N. Churyukanova, A.T. Marchenko, CoFe-microwires with stress-dependent magnetostriction as embedded sensing elements, *J. Phys. Conf. Ser.*, 2017. doi:10.1088/1742-6596/903/1/012007.
35. M. M Salem, M. G Nematov, A. Uddin, L. V Panina, A. T Morchenko, Skidanov; Using of Amorphous Ferromagnetic microwires as built-in sensors of mechanical stress in Functional materials; *Problems of the Development of Advanced Micro- and Nano-electronic Systems-2016. Collection of Proceedings / under total. Ed. Academician of the Russian Academy of Sciences A.L. Stempkovsky*, Moscow, Russia. (Published in Russian Journal)
36. M. M Salem, M. G Nematov, A. Uddin, L. V Panina, A. T Morchenko, Skidanov; Amorphous Glass-Coated Microwires for Using as Embedded Stress Sensors in Functional Materials (in Russian) October 2016 Conference: *VII All-Russia Science & Technology Conference Problems of Advanced Micro- and Nanoelectronic Systems Development MES-2016 At Moscow Volume: 4*. (Published in Russian Journal)
37. M. M. Salem, M. G. Nematov, A. Uddin, S. V. Podgornaya, L. V. Panina, A. T. Morchenko; Magnetic amorphous microwires as Embedded stress sensors in Functional materials; “*Youth in Science International Conference-2015*”, MINSK, Belarus. (Published in Russian Journal)

### Conference Contributions:

1. A. Uddin, F.X. Qin, Thermally stable silicone elastomer composites based on MoS<sub>2</sub>@Biomass-derived carbon with a high dielectric constant and ultralow loss for flexible microwave electronics; *The Fifteenth ECerS conference for young scientists in Ceramics-2023*, Navi Sad, Serbia. (Oral Presentation)
2. D. Makhnovskiy, Y. Zhao, K. Gorbatov, A. Uddin, Experimentally measured impedance boundary conditions for simulating microwave scattering from ferromagnetic wires; *SIMULIA Regional User Meeting-2022*, Manchester, UK. (Oral Presentation)
3. A. Uddin, F.X. Qin, Modern free-space facility for testing microwave scattering properties of composite materials; *The 12th Asian-Australasian Conference on Composite Materials (ACCM12)-2023*, Hangzhou, China. (Oral Presentation)
4. A. Uddin, Y. Zhao, F.X. Qin, On hybrid approach in microwave scattering theory for wire-filled composites; *The 43rd PIERS-Photonics & Electromagnetics Research Symposium, PIERS-2021*, Hangzhou, China. (Poster Presentation)
5. F.X. Qin, D. Estevez, and A Uddin, Programmable Microwire Metacomposite; *The 7th International Conference on Smart Materials and Nanotechnology in Engineering, SMN-2019*, Harbin, China. (Oral Presentation)
6. A. Uddin, D. Estevez, F.X. Qin, Design to program the electromagnetic properties for microwire Metacomposites; *Perceive China - Sun Island International Materials Forum-2019*, Harbin, China. (Oral Presentation)
7. A. Uddin, F.X. Qin, Programmable Electromagnetic Properties of Microwire Metacomposites; *10th International Conference on Metamaterials, Photonic Crystals and Plasmonics-2019, META 2019*, Lisbon, Portugal. (Oral Presentation)
8. A. Uddin, A. Dzhumazoda, M.M. Salem, M.G. Nematov, L.V. Panina, and A. T. Marchenko; Temperature Effects on the Magnetization and Magnetoimpedance in Ferromagnetic Glass-Covered microwires; *4th International School and Conference on Optoelectronics, Photonics, Engineering and Nanostructures Saint Petersburg OPEN-2017*, Saint Petersburg, Russia. (Poster Presentation)
9. A. Uddin, L. V. Panina; Tailoring magnetic anisotropy of glass-coated amorphous microwires with positive magnetostriction by current annealing; *72th Days of Science students NUST MISiS-2017*, Moscow, Russia. (Oral Presentation)
10. A. Uddin, L.V. Panina; High-frequency harmonics in amorphous magnetic microwires for wireless sensor application; *71th Days of Science students NUST MISiS-2016*, Moscow, Russia. (Oral Presentation)
11. M. M. Salem, M. G. Nematov, A. Uddin, L. V. Panina, A. T. Morchenko, A. M. Adam; Stress-Sensitive Magnetization Process in Amorphous Glass-Coated Microwires for Embedded Sensor Applications; *International Conference Advances in Functional Materials-2016*, Jeju Island, South Korea.

*(Azim Uddin)*