

Dr. Muhammad Yasin Naz

Assistant Professor of Physics
University of Agriculture Faisalabad, Pakistan



CURRICULUM VITAE

PERSONAL DATA:

FULL NAME : Muhammad Yasin Naz
NATIONALITY : Pakistani
DOMICILE : Sahiwal/Punjab
LANGUAGES : Urdu, English, Punjabi
POSTAL ADDRESS : House No. 38, Lalazar Colony, Main Campus, University of Agriculture Faisalabad, 38040 Faisalabad, Punjab, Pakistan.
MOBILE : +92-317-8106062 (Cell), +92-306-6920119 (Cell)
E-MAIL ADDRESS : yasin603@yahoo.com, yasin306@uaf.edu.pk

ACADEMIC QUALIFICATIONS:

2015-2016

Post-PhD Research Fellow Universiti Teknologi Petronas (UTP), Malaysia.

2012-2015

Ph.D in Applied Physics from the Department of Fundamental and Applied Sciences, Universiti Teknologi Petronas (UTP), Malaysia.

Area of Specialization: Fluidized bed technology: Development and applications.

2007-2009

Master of Philosophy in Physics (M.Phil) from Quaid-i-Azam University (QAU), Islamabad, Pakistan.

Research Area of Specialization: Nonthermal plasma discharges: Characterization and applications.

2003-2005

Master of Science in Physics (M.Sc) from Bahauddin Zakariya University (BZU), Multan, Pakistan.

2001-2003

Bachelor of Science (B.Sc) from Bahauddin Zakariya University (BZU), Multan, Pakistan.

1998-2000

Intermediate Certificate (Pre-Engineering) from Government College Sahiwal, Pakistan.

TEACHING AND RESEARCH EXPERIENCE:

Lecturer in Physics: From October 2009 to 2024

Department of Physics, University of Agriculture Faisalabad, Pakistan.

Assistant Professor of Physics: From 2024 to date

Department of Physics, University of Agriculture Faisalabad, Pakistan.

Responsibilities: Teaching, research, supervision of M.Phil/Ph.D research students and administrative works.

Physics Courses Taught:

Undergraduate courses: Structure and Properties of Materials, Plasma Physics, Nuclear Physics, Quantum Mechanics, Thermal and Statistical Physics, Digital Logic Design, Electricity and Magnetism, Methods of Mathematical Physics, Environmental Physics, Circuit Theory, Laboratory Courses.

Postgraduate courses: Recent Trends in Plasma Physics, Advanced Quantum Mechanics, Electrodynamics, Materials Science, Methods and Techniques of Experimental Physics.

Post-PhD Research Scientist: 2015 to 2016

Worked as Research Scientist for 1 year under the Director of Mission Oriented Research (MOR), Hybrid Energy Systems, Universiti Teknologi PETRONAS, Malaysia.

Responsibilities: Research, teaching and management work.

Courses Taught: Physics-I, Physics-II, Refrigeration and Air Conditioning, Energy Management, Electrical Power & Machines, Fluid Mechanics.

Additional/Administrative Undertakings:

1. Deputy Managing Editor, Pakistan Journal of Agricultural Sciences (PAKJAS), Impact Factor: 0.8, 2025 to date.
2. Member of Faculty Board, Faculty of Sciences, 2025 to date,
3. Coordinator, Undergraduate Program, Department of Physics, University of Agriculture Faisalabad, 2025 to date.
4. Member of the Comprehensive Written and Oral Exam Committee for PhD students in the Faculty of Sciences.
5. Assistant Superintendent of Students Residential Hostels, 2009-2012, University of Agriculture Faisalabad (UAF), Pakistan
6. Convener of Auction Committee for Unserviceable Equipment in the Department of Physics, UAF, 2017.
7. Member of Scientific Exhibition Committee, 2017-2020, Department of Physics, UAF.
8. Member of Curriculum Development Committee for Undergraduate Physics Program, 2022.
9. Served as a Member of Scrutiny Committee for Undergraduate Admissions, 2018-2019.
10. Member of Scrutiny Committee for Induction of New Lecturers in Physics.
11. Secretary of Departmental Board of Studies, 2018-2019, Department of Physics, UAF.
12. Tutor for Undergraduate Students at University of Agriculture Faisalabad.
13. Member of Organizing Committee, Physics Quiz Competition, Department of Physics, UAF.
14. Served as a Member of Permanent Equipment Procurement Committee for Funded Projects, Department of Physics, UAF.
15. Member Purchase Committee for Non-development Fund of Physics Department, UAF.
16. Member of Purchase Committee for Teaching Aid Equipment, UAF.
17. Member, Faculty Board of Studies, 2020-2023, Faculty of Sciences, UAF.
18. Member Outcome Based Education (OBE) Committee: Stakeholders/ Industrial Linkages Committee, Department of Physics, UAF.
19. Member of Committee for annual physical verification of stocks and stores, 2022, 2023, Departments of Chemistry and Computer Science, UAF.
20. Member of Department Self-Assessment Report Committee, Department of Physics, UAF, 2022.
21. Focal Person, Undergraduate Admission Committee, Department, Faculty of Science, UAF, 2023 to date

ACADEMIC AND RESEARCH AWARDS:

- 1) **Graduate Research Assistantship Award** for PhD Studies at the Universiti Teknologi Petronas, Malaysia, 2012-2015.
- 2) **HEC Indigenous Scholarship** for M.Phil Studies at Quaid-i-Azam University Islamabad, Pakistan.
- 3) **Silver Medal** in 34th Edition of Science and Engineering Design Exhibition (SEDEX 34), 2014, Universiti Teknologi PETRONAS, Malaysia.
- 4) **Distinction/1st Position Certificate** in M.Sc Physics, Government College Sahiwal, Bahauddin Zakariya University, Multan-Pakistan.
- 5) **Most Publications Award for the year 2013-14**, from the Universiti Teknologi PETRONAS, Malaysia.
- 6) **Research Productivity Award**, 2012 from Pakistan Council of Science and Technology.
- 7) **Best Paper Award**, International Postgraduate Network Conference Summit, 2014, Langkawi-Malaysia.
- 8) **Silver Medal** in 32nd Edition of Science and Engineering Design Exhibition (SEDEX 32), 2013, Universiti Teknologi PETRONAS, Malaysia.
- 9) **Bronze Medal** in 31st Edition of Science and Engineering Design Exhibition (SEDEX 31), 2013, Universiti Teknologi PETRONAS, Malaysia.
- 10) **Best Poster Award**, Poster Competition on Cutting-edge Research in Physics (PCCRP), October 11, 2017, Organized by Department of Physics, University of Agriculture Faisalabad.
- 11) **Certificate of Session Chair**, 4th International Conference on Mechanical and Manufacturing Engineering (ICME 2013) Organized by UTHM.

- 12) **Letter of Appreciation** for contributing to the project on 'Writing of Multi-authored Books, From Endowment Fund Secretariat, University of Agriculture Faisalabad.
- 13) **Best Presenter Award**, in the University Research Symposium organized by the University of West Alabama, USA. March 09, 2021.
- 14) **Best Paper Award**, in the 2021 Research Symposium in Physics and Chemistry, jointly organized by ORIC, University of Sahiwal and Punjab Higher Education Commission (PHEC) on Saturday, February 20, 2021.
- 15) **Session Chair**, in International Symposium on Modern Trends in Physics, ISMTP-2021, organized by the Department of Physics, Government College University Faisalabad, March 17-18, 2021.

RESEARCH INTERESTS:

I am conducting multidisciplinary research in my lab. I have strong collaboration with other researchers from the Faculties of Sciences and Engineering. I am actively researching, participating and publishing the work in the following research areas:

- 1) Fluid Mechanics/Cold plasma discharges for industrial applications
- 2) Medical applications/therapies using COMSOL Multiphysics
- 3) Surface coatings, modifications and functionalization of materials
- 4) Nanomaterials synthesis and processing
- 5) Theoretical electromagnetics
- 6) Electrocatalysis and photocatalysis for energy recovery
- 7) Valorization of waste materials

Ph.D STUDENTS SUPERVISED/CO-SUPERVISED:

- 1) **As main supervisor: Saleem Rashid**, Reg. No. 2012-ag-2475, Effect of plasma treatment on morphological, chemical and mechanical trails of pure and mixed cotton fabrics (**Degree Awarded**).
- 2) **As main supervisor: Noor ul Huda Altaf**, Reg. No. 2014-ag-2631, Comparative study on effect of stabilizers on morphology of pure and mixed metal nanoparticles synthesized through Liquid Plasma Interaction for different Applications (**Degree Awarded**).
- 3) **As main supervisor: Bilal Shoukat**, Microwaved assisted catalytic valorization of plastic waste into carbon nanotubes and fuel gases (**Waiting for final thesis defense**).
- 4) **As main supervisor: Muhammad Adnan Munir**, Magneto-electric analysis of non-thermal plasma treated pure and mixed ferrites for high frequency and energy storage applications (**Waiting for final thesis defense**).
- 5) **As main supervisor: Saba Afzal**, Reg. No. 2020-ag-1387, Finite Element Analysis of Optical Properties of Multi-layered Metal Nanostructures for Heat and Signal Transfer Applications, (Research in Progress).
- 6) **As main supervisor: Miss Ramiza**, Reg. No. 2005-ag-1247, Electrokinetic removal of radionuclides from soil (Research in Progress).
- 7) **Member Supervisor Committee: Muhammad Asif Javed**, Reg. No. 2013-ag-638, Study of Hydrodynamics of a Fluidized Bed using a Mesh-coupled Blade Distributor (**Degree Awarded**).
- 8) **Member Supervisor Committee: Irfan Toqeer**, Reg. No. 2007-ag-884, Electromagnetic properties of graphene-layered metamaterial for terahertz applications (**Degree Awarded**).
- 9) **Member Supervisor Committee: Muhammad Hassnain Shahzad**, Reg. No. 2007-ag-1372, Analysis of high frequency field distribution of curvilinear reflectors in the presence of plasma layer (**Degree Awarded**).
- 10) **Member Supervisor Committee: Muhammad Zeshan Yaqoob**, Reg. No. 2016-ag-5592, Analysis of electromagnetic surface wave propagation by advanced optical materials (**Degree Awarded**).
- 11) **Member Supervisor Committee: Muhammad Arfan**, Reg. No. 2017-ag-3726, Characteristics Orbital Angular Momentum (OAM) based Radar Cross Section (RCS) by interacting electromagnetic waves with metamaterials structure (**Degree Awarded**).
- 12) **Member Supervisor Committee: Mariam Saeed**, Reg. No. 2017-ag-3725, Characteristics of dispersion curve of circular cylindrical graphene layered waveguide (**Degree Awarded**).
- 13) **Member Supervisor Committee: Zohra Khalid**, Reg. No. 2014-ag-1460, Computationally guided synthesis and applications of stilbene based derivatives (**Degree Awarded**).
- 14) **Member Supervisor Committee: Irshad Ahmad**, Reg. No. 2020-ag-1607, Development of Zinc Oxide based heterojunction photocatalysts for hydrogen evolution and remediation of environmental pollution (**Waiting for final thesis defense**).
- 15) **Member Supervisor Committee: Muhammad Aqib Busharat**, Reg. No. 2016-ag-1677, Effect of plasma treatment on cation distribution and photocatalytic activity of magnetic nanoparticles (**Waiting for final thesis defense**).

- 16) **Member Supervisor Committee: Muhammad Arif**, Reg. No. 2011-ag-9, Calculation and numerical solution of electromagnetic waves between two dissimilar media (**Waiting for final thesis defense**).
- 17) **Member Supervisor Committee: Maleeha Wajid**, Reg. No. 2017-ag-616, Removal of organic pollutants from aqueous media using layered double hydroxides, (Research in Progress).
- 18) **Member Supervisor Committee: Ahmad Adnan**, Reg. No. 3009-ag-886, Research on images for detection of lungs diseases using deep learning, (Research in Progress)
- 19) **Member Supervisor Committee: Unha Tahir**, Reg. No. 2016-ag-3101, Removal of dyes from aqueous media using meta organic framework based hybrids: Experimental and theoretical approach (Research in Progress).
- 20) **Member Supervisor Committee: Arifa Murtaza**, Reg. No. 2015-ag-1035, Fine tuning of optoelectronic properties of small organic molecules for solar cell applications (Research in Progress)
- 21) **Member Supervisor Committee: Raheeba Akbar**, Reg. No. 2020-ag-1233, Synthesis and characterization of ternary composites for environmental remediation, (Research in Progress).
- 22) **Member Supervisor Committee: Sidra Sarfaraz**, Student Registration No.: 2018-ag-4254, (Research in Progress).

MASTER'S STUDENTS SUPERVISED:

I have produced a pool of M.Sc and M.Phil research graduates: details are as below:

As a main supervisor: Produced 118 M.Phil research graduates

As a member supervisory committee: Produced 108 M.Phil research graduates

Current Students under supervision: 9 M.Phil research students

M.Sc/BS physics technical reports supervised: 112 students for technical reports

COMPUTER SKILLS:

I am expert in using the following tools and software:

- 1) Microsoft Word
- 2) Microsoft PowerPoint
- 3) Microsoft Excel
- 4) Microsoft Visio
- 5) HIK Vision Smart Interactive Display Screen in Classrooms
- 6) Learning Management System (LMS) for Teaching and Testing Students
- 7) OriginLab software for data analysis and plotting
- 8) EndNote software for citing literature and references management
- 9) ANSYS-Fluent Simulation Package
- 10) MATLAB Codes and Applications
- 11) ImageJ software for Image Analysis and Statistical Data Generation
- 12) COMSOL Multiphysics software
- 13) Minitab Statistical Package
- 14) High Score Plus Software for XRD Analysis of Materials
- 15) EDrawMax for Drawing and Sketching

MEMBERSHIPS:

- 1) Secretary, International Society on Tropical Energy, <https://energysymposium.ump.edu.my/index.php/en/news>
- 2) Member of American Chemical Society (ACS) since 2023, Membership Number – 31387869.

EVENTS ORGANIZED:

- 1) Member Organizing Committee, Dr. Riaz Ud Din Memorial School on Physics, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan, July 17-21, 2023.
- 2) Member Organizing Committee, Scientific Exhibition and Entrepreneurship Competition, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan, March 13-14, 2023.
- 3) Member Organizing Committee, 2nd International Symposium on Modern Trends in Physics, Government College University Faisalabad, Pakistan, March 17-18, 2021.
- 4) Member Organizing Committee, 4th International Conference on Advances in Experimental and Theoretical Physics, organized by the Department of Physics, University of Agriculture Faisalabad, March 16-17, 2021.
- 5) Member Organizing Committee, International Symposium on Modern Trends in Physics, ISMTP-2021, organized by the Department of Physics, Government College University Faisalabad, March 17-18, 2021.
- 6) Secretary, 3rd International Conference on Advances in Experimental and Theoretical Physics, 04-05 March 2020, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.
- 7) Conference Organizing Chair, International Symposium on Energy Systems, 1-2 October 2019, Co-organized by the Universiti Teknologi Petronas Malaysia, Universiti Malaysia Pahang and University of Agriculture Faisalabad. <https://energysymposium.ump.edu.my/index.php/en/about-ses2019/committee-and-reviewer-members>

- 8) Member, Organizing Committee, 3rd International Conference on Materials Science and Nanotechnology (MSNANO-19), 18-20 February 2019, Government College University Faisalabad, Pakistan.
- 9) Member, Organizing Committee, Seminar on Recent Advances in Space Exploration, 29th January 2019, University of Agriculture Faisalabad.
- 10) Secretary, International Symposium on New Frontiers of Physics, 19 October 2018, University of Agriculture Faisalabad, Pakistan.
- 11) Convener, Annual Poster Competition on Cutting-edge Research in Physics, University of Agriculture Faisalabad, Pakistan.
- 12) Member, Organizing Committee, International Symposium on Modern Trends in Physics (ISMTP-18), 18 April 2018, Organized by the Department of Physics, Government College University Faisalabad, Pakistan.
- 13) Member, Organizing Committee, Annual Physics Quiz Competition, University of Agriculture Faisalabad, Pakistan.
- 14) Member, Organizing Committee, International Conference on New Frontiers of Experimental and Theoretical Physics, 16-17 April, 2018, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.
- 15) Member, Organizing Committee, International Symposium on Energy Systems, 16-17 September 2016, Co-organized by the Universiti Teknologi PETRONAS Malaysia and Universiti Malaysia Pahang.
- 16) Member, Editorial Board, British Journal of Mathematics and Computer Science.
- 17) Member, Academic Research Exhibition Committee (ACADREX 2015), 23-25 October 2015, Universiti Teknologi PETRONAS, Malaysia.
- 18) Member, Tender Committee of Department of Physics, University of Agriculture Faisalabad, 2017-18.

PI/Co-PI IN RESEARCH PROJECTS:

- 1) Numerical Modeling of Waveguide-Based Temperature Sensors for Real-Time Cancer Treatment Monitoring, Funding Agency: Higher Education Commission of Pakistan, Status: Under Review
- 2) Analysis of high frequency field of focusing system composed of chiral medium., Start Date: October 2010 (1-year project), Amount: Rs. 0.5 million, Funding Agency: Higher Education Commission of Pakistan, Status: Completed
- 3) Graphene encapsulated nano-materials for cancer detection and treatment by electromagnetics, Start Date: 3-10-2019, End Date: 3-10-2022, Amount: Rs. 3.134 million, Funding Agency: Higher Education Commission of Pakistan (NRPU-8576), Status: Projected Completed
- 4) Development of special spray nozzle for fluidized bed and powder coating applications. Start Date: 08-02-2012 (3-year project), Funding Agency: Ministry of Higher Education (MOHE) of Malaysia under Long-term Research Grant Scheme (LRGS), Status: Completed
- 5) As a Research Collaborator: Study on plastic waste problems in Malaysia: A comparative study with Japan. Start Date: 01-09-2019 to 31-08-2020 (Project No. 19MP02), Funding Agency: Morata Science Foundation, Japan. Status: Completed

INVITED SPEAKER TALKS:

- 1) **Plasma Assisted Synthesis of Nanomaterials**, Seminar on Emerging Research Trends in Physics, May 5, 2019, Riphah International University Faisalabad.
- 2) **Plasma Universe and Little Bangs**, Seminar on Magical Word of Nanomaterials, June 19, 2019, Government Postgraduate College of Science Faisalabad.
- 3) **Advances in Plasma Physics**, Seminar on Contemporary Physics, March 7, 2019, Government Postgraduate College Samanabad, Faisalabad.
- 4) **Date Palm Fronds Biomass for Energy Production**, In International workshop on Sustainable Energy Solutions for Community Development in Pakistan, 8-9 November, 2016, Jointly Organized by University of Kassel-Germany and University of Agriculture Faisalabad-Pakistan.
- 5) **An Overview of Fluidized Bed Technology: Working Principle and Applications**, In Symposium on Emerging Trends in Applied Physics, 3rd December, 2016, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.
- 6) **Scope of Fluidized Bed Processing Industry**, Symposium on Recent Advances in Applied Physics, 25th January, 2017, Organized by the University of Education, Faisalabad Campus, Pakistan.
- 7) **Attributes of Biomass Towards Hybrid Energy Systems**, In Training Workshop on Solar System Installation and Applications, 24-25 February, 2017, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.
- 8) **Physics and Applications of Fluids in Processing Industry**, 20th March, 2017, Organized by the Physics Society of the Government Postgraduate College, Sahiwal, Pakistan.
- 9) **Recent Advances in Fluidized Bed Technology**, 16th August, 2017, Organized by the Department of Physics, University of Gujrat, Gujrat, Pakistan.
- 10) **Production of nano-to-millimeter Materials with Fluidized Bed Technology**, International Conference on New Frontiers of Experimental and Theoretical Physics, 16-17 April, 2018, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.

- 11) **Plasma assisted growth of nanomaterials**, Symposium on Prospective Development in Environmental and Materials Science, 19 April 2018, Organized by the Department of Physics, Government College Women University Faisalabad, Pakistan.
- 12) **Catalytic and non-catalytic treatment of industrial wastewater under the exposure of nonthermal dc plasma jet**, 3rd International Conference on Technology and Science, Techno-Science 2020, December 18-20, 2020, Burdur, Turkey.
- 13) **Plasma processing of industrial wastes**, 4th International Symposium on Laser Matter Interaction, Organized by the National Center for Physics, Islamabad, Pakistan, September 20-21, 2020.
- 14) **Plasma treatment of textile effluents in Faisalabad**, 2nd International Symposium on Modern Trends in Physics, Government College University Faisalabad, Pakistan, March 17-18, 2021.
- 15) **Photocatalyst driven plasma electrolysis for water treatment**, Emerging Trends in Physics, organized by the Department of Physics and Alberuni Physics Society, Lahore College for Women University, Lahore, Pakistan, November 23-24, 2021.
- 16) **Plasma driven photocatalytic degradation of synthetic dyes using nano-TiO₂ photocatalyst**, International Conference on Technology and Science (Techno-Science 2021), Turkey, November 18-21, 2021.
- 17) **Recent Trends in Plasma Processing Technology**, One Day Seminar, University of Sahiwal, January 28, 2022.
- 18) **Production and testing of La/ZnO/CNT photocatalysts for production of hydrogen fuel**, 1st International Conference on Sustainable Development Goals, Lahore College for Women University, Lahore, March 29-31, 2022.
- 19) **Microwave Pyrolysis of Pure and Mixed Plastic Wastes into Hydrogen and Valuable Carbon Using Sodium Zeolite Catalyst**, Sivas International Conference on Science and Innovation Research, Sivas Science and Technology University, Turkey, October 13-15, 2022.
- 20) **Plastic waste management through microwave assisted pyrolysis for production of valuable carbon materials**, International Webinar 2022-Material Science in Current Era, Lahore College for Women University, Lahore, Pakistan, October 18-20, 2022.

WORKSHOPS, TRAININGS AND PARTICIPATIONS:

- 1) As participant, 4th Internationals Conference MSNANO-2020, 03-05 March 2020, Organized by Government College University Faisalabad, Pakistan.
- 2) As Participant, Tow-Day International Workshop on Fostering Scientific Research and Innovation in Pakistan, 1-2 August, 2019, Organized by the Department of Physics, Government College Women University Faisalabad, Pakistan.
- 3) As Participant, 1st International Conference on Advances in Theoretical and Applied Physics, February 19, 2019, Government College Women University Faisalabad, Pakistan.
- 4) As participant, One Day Workshop on Research Tools, May 6, 2019, Organized by PARS Campus, University of Agriculture Faisalabad.
- 5) As participant, Seminar on Recent Developments in Relativity and Cosmology, 15 February 2019, Organized by the Department of Physics, Government College Women University Faisalabad, Pakistan.
- 6) Certificate in Outcome Based Education (OBE) software training, awarded by Universiti Teknologi PETRONAS, Malaysia.
- 7) Certificate in Effective Communication Skills, awarded by University of Agriculture Faisalabad, Pakistan, 20 May 2012.
- 8) Certificate of participation in 47th Team Building Program arranged by the Systems Dynamics Institute Malaysia, Swiss Garden Beach Resort Damai Laut, Lumut, Malaysia.
- 9) Certificate in Incorporating Technology in Education, awarded by the Higher Education Commission of Pakistan, 25 February to 10 March 2011.
- 10) Certificate in Good Weighing Operations, awarded by Weighing Academy, Universiti Teknologi PETRONAS, Malaysia, November 20, 2013.
- 11) One month training on Crystal Structure Determination using X-Rays Crystallography, conducted by the Department of Chemistry, University of Agriculture, Faisalabad-Pakistan.
- 12) Certificate of Participation in training on Statistical Analysis using SPSS and MINITAB, awarded by the University of Agriculture Faisalabad, 5-7 October 2011
- 13) Certificate of Participation in Vacuum Technology Workshop, awarded by the University of Agriculture Faisalabad.
- 14) Session chair in ICME 2013, held in Bangi hotel Putra Jaya Malaysia, under the Universiti Tun Hussain On, Malaysia.
- 15) Certificate of Participation in Nanomaterials Forum, awarded by the Pakistan Institute of Engineering and Applied Sciences, Islamabad & Centralized Resource Laboratory, Department of Physics, University of Peshawar.
- 16) Certificate of participation in workshop on Vacuum Science awarded by NINVEST Islamabad, Pakistan.
- 17) Certificate of participation in workshop on Anti-Narcotics awarded by the District Headquarter Hospital Faisalabad, Pakistan.
- 18) Participation in Malaysian Toray Science Foundation (MTSF) Grant Research Symposium, 3rd December 2014, University of Malaya, Malaysia.
- 19) Certificate in Compact DAQ System Workshop arranged by the National Instruments-Malaysia at Universiti Teknologi PETRONAS, Malaysia.

- 20) One Day Symposium on Plasma Science and Applications, 22nd February, 2017, Organized by the Department of Physics, Government College University Faisalabad, Pakistan.
- 21) Training Workshop on Solar System Installations and Applications, 24-25 February, 2017, Organized by the Department of Physics, University of Agriculture Faisalabad, Pakistan.
- 22) Training Workshop on Statistical Methods for Researchers using R Software, 09-11 August, 2017, Organized by the Department of Mathematics and Statistics, University of Agriculture Faisalabad, Pakistan.
- 23) Certificate of Participation, Word Space Week, 04-10 October 2018, Organized by the University of Agriculture Faisalabad in collaboration with SUPARCO-Pakistan.
- 24) One Day Symposium on Modern Trends in Physics, 9th December 2019, Organized by the Department of Physics, Government College University Faisalabad, Pakistan.
- 25) Certificate of Participation in "Recent Trends in Engine Design" conducted by Center for Excellence: Mechanical Engineering and Innovation (CEMEI) on 10th August 2020.
- 26) Certificate of Participation, 3rd International Conference on Advances in Experimental and Theoretical Physics, February 24-26, 2021.
- 27) Participant, Wheat Campaign 2021, Jointly Organized by the University of Agriculture Faisalabad and Punjab Ministry of Agriculture, November 12-20, 2021.
- 28) Participant, Wheat Campaign 2022, Jointly Organized by the University of Agriculture Faisalabad and Punjab Ministry of Agriculture, October 28 to November 06, 2022.
- 29) Participant, Enhancing Learner-Centered Pedagogical Skills, Organized by the Academics Without Borders, Universitaires Sans Frontieres and UAF, 2024.

PUBLISHED BOOKS AND BOOK CHAPTERS:

1. **BOOK CHAPTER:** S. Arshad, M. Y. Naz, A. Ghaffar, **Nanomagnetic Adsorbents for Wastewater Treatment** in Advances in Nanomaterials for Detection, Control, and Removal of Environmental Pollutants, Springer Nature Publisher, 2025, https://doi.org/10.1007/978-3-031-87409-3_13.
2. **BOOK CHAPTER:** M. Shahzad, T. Shoukat, N. U. H. Altaf, M. Ali., M. Ayyaz, M. Y. Naz, S. Maqsood, S. Shukrullah, **Plasma Technology for Carbon Dioxide Conversion**, in Emerging Applications of Plasma Science in Allied Technologies, IGI Global Publisher, Hershey PA, USA, 2024. DOI: 10.4018/979-8-3693-0904-9.ch002.
3. **BOOK CHAPTER:** H. Fatima, S. Shukrullah, H. Hussain, M. Y. Naz, **Utility of various drug delivery systems and their advantages and disadvantages**, in Nanotechnology for Drug Delivery and Pharmaceuticals, Elsevier Publisher, New York, 2023, <https://doi.org/10.1016/B978-0-323-95325-2.00015-8>.
4. **BOOK CHAPTER:** R. Saleem, S. Shukrullah, M. Y. Naz, **Use of Heterojunction Catalysts for Improved Catalytic Pyrolysis of Biomass and Synthetic Wastes**, in Energy and Environment in the Tropics, Lecture Notes in Energy 92, 2023, https://doi.org/10.1007/978-981-19-6688-0_11.
5. **BOOK CHAPTER:** R. Saleem, M. Y. Naz, S. Shukrullah, B. Shoukat, **Microwave Pyrolysis of Plastic Waste Materials into Hydrogen and Carbon**, in Energy and Environment in the Tropics, Lecture Notes in Energy 92, 2023, https://doi.org/10.1007/978-981-19-6688-0_10.
6. **BOOK CHAPTER:** R. A. U. Nabi, M. Y. Naz, S. Shukrullah, A. Ghaffar, **A Critical Review on Waste Plastic into Value-Added Hydrocarbons and Fuels**, in Energy and Environment in the Tropics, Lecture Notes in Energy 92, 2023, https://doi.org/10.1007/978-981-19-6688-0_9.
7. **BOOK CHAPTER:** F. Zaheer, M. Y. Naz, S. Shukrullah, H. Hussain, **Chemiluminescence Sensors for Environmental Monitoring**, in Nanobiosensors for Environmental Monitoring, Springer Nature Switzerland, 2022, https://doi.org/10.1007/978-3-031-16106-3_11.
8. **BOOK CHAPTER:** M. Ayyaz, N. U. H. Altaf, M. Khan, A. Ashar, S. Maqsood, M. Y. Naz, S. Shukrullah, **Organic-Inorganic Nanohybrids as Thermoelectric Materials**, in Hybrid Nanomaterials, Materials Horizons: From Nature to Nanomaterials, Springer Nature Switzerland, 2022, https://doi.org/10.1007/978-981-19-4538-0_19.
9. **BOOK CHAPTER:** B. Saeed, S. Shukrullah, M. Y. Naz, F. Zaheer, **Plasma Degradation of Synthetic Dyes** in Advanced Oxidation Processes in Dye-Containing Wastewater, Sustainable Textiles: Production, Processing, Manufacturing & Chemistry, 2022, Springer Nature Singapore, https://doi.org/10.1007/978-981-19-0882-8_3.
10. **BOOK CHAPTER:** A. Aabir, M. Y. Naz, S. Shukrullah, **Synthesis of Carbon Nanotubes via Plasma Arc Discharge Method** in Emerging Developments and Applications of Low Temperature Plasma, IGI Global Publisher, Hershey PA, USA, 2022. DOI: 10.4018/978-1-7998-8398-2.ch005, DOI: 10.4018/978-1-7998-8398-2.
11. **BOOK CHAPTER:** S. Shukrullah, M. Anwar, M. Y. Naz, I. U. Haq, **Biosynthesis of Silver Nanoparticles for Study of Their Antimicrobial Effect on Plasma-Treated Textiles: Silver Coating of Plasma-Treated Cotton Fabric** in Emerging Developments and Applications of Low Temperature Plasma, IGI Global Publisher, Hershey PA, USA, 2022. DOI: 10.4018/978-1-7998-8398-2.ch008, DOI: 10.4018/978-1-7998-8398-2.
12. **EDITOR OF BOOK:** **Advances in Experimental and Theoretical Physics**, 2021, University Press, ISBN 978-969-23583-0-9.
13. **BOOK CHAPTER:** M. Y. Naz, S. A. Sulaiman, S. Shukrullah, **Sensors detecting controlled fertilizer release** in Controlled Release Fertilizers for Sustainable Agriculture, Elsevier Publisher, New York, 2021, pp. 131-153, ISBN 978-0-12-819555-0, DOI: 10.1016/B978-0-12-819555-0.00008-X.

14. **BOOK CHAPTER: Synthesis and Processing of Nanomaterials** in *Solar Cells: From Materials to Device Technology*, Springer Nature, Switzerland, 2020, DOI 10.1007/978-3-030-36354-3_1, ISBN 978-3-030-36353-6.
15. **BOOK CHAPTER: A review of hydropower generation in tropical countries**, in *Clean Energy Opportunities in Tropical Countries*, Springer Publisher, Singapore Office, 2021, https://doi.org/10.1007/978-981-15-9140-2_2, ISBN 978-981-15-9140-2.
16. **BOOK CHAPTER: Current and Future Perspectives of Integrated Energy Systems**, in *Clean Energy Opportunities in Tropical Countries*, Springer Publisher, Singapore Office, 2021, https://doi.org/10.1007/978-981-15-9140-2_13, ISBN 978-3-030-36353-6.
17. **BOOK CHAPTER: Carbon Nanotubes: Synthesis and Application in Solar Cells** in *Solar Cells: From Materials to Device Technology*, Springer Nature, Switzerland, 2020, DOI 10.1007/978-3-030-36354-3_7, ISBN 978-3-030-36353-6.
18. **BOOK EDITED: Recent Research Trends in Physics**, University Press, University of Agriculture Faisalabad, 2017, ISBN 978-969-4405-04-7.
19. **BOOK CHAPTER: Z. Hussain, A. Zada, G. Rukh, M. Y. Naz, K. M. Khan, S. Shukrullah, S. A. Sulaiman, Rechargeable battery construction from electroactive antioxidant extract of vegetables**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
20. **BOOK CHAPTER: R. A. U. Nabi, M. Y. Naz, S. Shukrullah, B. Shoukat, MWCNTs synthesized via floating catalyst chemical vapour deposition (FCCVD) method using ferrocene powder catalyst**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
21. **BOOK CHAPTER: B. Shoukat, S. Shukrullah, M. Y. Naz, R. A. U Nabi, M. A. Shujah, Growth of multi-walled carbon nanotubes over aluminum substrate through plasma assisted chemical vapor deposition**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
22. **BOOK CHAPTER: M. Anwar, I. U. Haq, M. Y. Naz, S. Shukrullah, M. Kalsoom, N. H. Altaf, M. A. Shujah, Self-cleaning and antimicrobial effect of nanoparticles on pretreated plasma textiles**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
23. **BOOK CHAPTER: N. Amir, M. Y. Naz, Z. U. Haq, S. Shukrullah, Y. Jamil, Microwave assisted synthesis and characterization of zinc oxide nanoparticles**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
24. **BOOK CHAPTER: N. U. H. Altaf, M. Ayyaz, S. Shukrullah, M. Y. Naz, A. Ghaffar, M. Anwar, B. Shoukat, Photodegradation of Methyl Blue using Ag/TiO₂ nanocomposite as a catalyst**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
25. **BOOK CHAPTER: M. Kalsoom, M. Y. Naz, S. Shukrullah, M. Anwar, K. Shabana, M. Tanawush, A. Faiqa, Deposition and characterization of photoactive thin silver films on silica coated glass by atmospheric pressure CVD technique**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
26. **BOOK CHAPTER: M. Manzoor, M. Y. Naz, S. Shukrullah, A. Ghaffar, M. A. Shujah, Characterization of silver nanoparticles obtained from biocontinuous microemulsions using Co-precipitation method**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
27. **BOOK CHAPTER: M. Tanawush, M. Y. Naz, S. Shukrullah, M. Anwar, M. Kalsoom, M. A. Shujah, Finishing of green synthesized ZnO nanoparticles over DBD plasma treated cotton fabrics to improve antimicrobial and UV protective properties**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
28. **BOOK CHAPTER: I. U. haq, M. Anwar, M. Y. Naz, S. Shukrullah, N. U. H. Altaf, A. Ghaffar, Plasma assisted dyeing of cotton fabric using fresh aloe vera extract**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
29. **BOOK CHAPTER: S. Shukrullah, M. Y. Naz, B. Shoukat, A. Ghaffar, Forest growth of MWCNTs on Si/SiO₂/Al₂O₃ substrate using ferrocene catalyst in a CVD reactor**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
30. **BOOK CHAPTER: N. Ayub, M. Y. Naz, S. Shukrullah, B. Shoukat, M. Anwar, Effect of cold-plasma treatment on hydrophobicity and strength of polyimide thin film**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
31. **BOOK CHAPTER: M. Ayyaz, M. Y. Naz, S. Shukrullah, N. U. H. Altaf, Structural and magnetic properties of Ni-Zn ferrites fabricated by co-precipitation method followed by post microwave plasma treatment**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.
32. **BOOK CHAPTER: T. H. Qamar, M. Anwar, A. Yousaf, M. Azam, M. Y. Naz, The influence of synthesis parameters on one step nickel ferrite nanoparticles with high saturation concentration**, in *Advances in Experimental and Theoretical Physics*, 2021, ISBN 978-969-23583-0-9.

JOURNAL PUBLICATIONS WITH IMPACT FACTOR:

Sr. #	Authors & Title	Journal & Year	I.F.
1.	T. Qiu, C. Li, W. Zhao, M. Y. Naz , Y. Zhang, Microwave-assisted pyrolysis of biomass: Influence of feedstock and pyrolysis parameters on porous biochar properties	<i>Biomass and Bioenergy</i> , Vol. 193, article 107583, 2025.	5.8

2.	M. Shoaib, M. Y. Naz , T. Wu, H. U. Rehman, E. Sun, A. Li, Q. Zhu, N. Wang, Review of single-atom electrocatalysts for hydrogen and oxygen evolution reactions from water-splitting	<i>Fuel</i> , Vol. 390, 134704, 1-17, 2025.	6.7
3.	M. Irfan, M. Shoaib, H. Hussain, M. Y. Naz, S. Shukrullah, S. Rahman, S. N. F. Mursal, A. A. J. Ghanim, In-Situ Self-Transformation Growth of Binary g-C ₃ N ₄ /CdS Heterojunctions for Efficient Hydrogen Evolution and Wastewater Treatment.	<i>Water, Air, & Soil Pollution</i> , Vol. 236, article 230, 1-13, 2025.	3.8
4.	F. Kshif, M. Y. Naz , Z. Kashif, Y. Khan, K. Kamran, M. Shoaib, Testing of NiO–Al ₂ O ₃ –CoO–MnO ₂ composite catalysts for indoor water splitting through electrocatalysis.	<i>Journal of Materials Science</i> , Vol. 60, 2268–2284, 2025.	3.5
5.	F. Sheikh, H. Hussain, M. Y. Naz , B. Shoukat, Y. Khan, and M. Shoaib, Effect of sodium zeolite mixed metal oxide catalysts on catalytic conversion of mixed-density plastic into carbon nanotubes and hydrogen fuel.	<i>Chinese Journal of Chemical Engineering</i> , Vol. 78, 196-204, 2025.	3.7
6.	S. Siddique, M. Ishaq, A. A. Hussain, M. Hina, A. Sohail, S. Maqsood, A. Akram, F. B. E. Arshad, M. Y. Naz , K. Kamran, Effect of poultice composition on multi-ion transport in fired-clay bricks during electrokinetic desalination.	<i>International Journal of Electrochemical Science</i> , Vol. 20, article 100950, 1-9, 2025.	1.3
7.	T. Asghar, M. Y. Naz , S. Afzal, G. Abbas, A. A. Ibrahim, and Y. Khan, M. U. Farooq, Finite Elemental Analysis of Coating Thickness Effect over Metal Nanostructures for Hyperthermia.	<i>AIP Advances</i> , Vol. 14, 125203-125214, 2024.	1.697
8.	M. Arif, A. Ghaffar, M. Y. Naz , H. N. Bhatti, Excitation of surface plasmon polaritons (SPPs) at uniaxial chiral-graphene planar structure.	<i>Plasmonics</i> , Vol. 19, 2517–2525, 2024.	3.0
9.	A. Amanullah, R. Munir, M. Z. Bashir, M. Y. Naz , S. Shukrullah, M. Yaseen, A. Muneer, and S. Noreen, Green ferrites nanoparticles synthesis using Aloe vera and watermelon rinds: their applications as sorbents in the purification of direct golden yellow RL dye wastewater.	<i>International Journal of Environmental Analytical Chemistry</i> , Vol. 104, 8778–8801, 2024.	2.731
10.	N. U. H. Altaf, M. Y. Naz , S. Shukrullah, H. N. Bhatti, Growth of Ag, TiO ₂ and AgTiO ₂ Nanoparticles through Liquid-Plasma Interaction for Bacterial and Wastewater Treatment	<i>Pakistan Journal of Agricultural Sciences</i> , Vol. 61(3), 889-889, 2024.	0.856
11.	S. Afzal, M. Y. Naz , G. Abbas, M. Qamar, A. A. Ibrahim, and Y. Khan, Numerical study of optical and thermal response of gold and silver coated copper nanostructures for hyperthermia.	<i>Journal of Materials Research and Technology</i> , Vol. 33, 2391-2413, 2024.	6.2
12.	M. Shoaib, M. Y. Naz , M. A. Hussain, S. Shukrullah, A. A. J. Ghanim, M. Irfan, and S. Rahman, Synthesis and Testing of Ni _x Zn _{1-x} Fe ₂ O ₄ /CNTs Photoresponsive Magnetic Composite Catalysts for Hydrogen Generation from Water Splitting.	<i>Journal of Solid State Chemistry</i> , Vol. 329, 1-10, 2024.	3.3
13.	M. A. Munir, M. Y. Naz , S. Shukrullah, A. Naz, M. Irfan, S. Rahman, S. N. F. Mursal, Tailoring properties of Ni _{0.50} Co _{0.50} Dy _x Fe _{2-x} O ₄ ceramics using microwave non-thermal plasma for high-frequency devices.	<i>Applied Physics A</i> , Vol. 130, 1-16, 2024.	2.5
14.	B. Shoukat, H. Hussain, M. Y. Naz , A. A. Ibrahim, S. Shukrullah, Y. Khan, Y. Zhang, Microwave-assisted catalytic deconstruction of plastics waste into nanostructured carbon and hydrogen fuel using composite magnetic ferrite catalysts.	<i>Scientifica</i> , Vol. 2024, 1-15, Article 3318047, 2024.	3.2
15.	M. A. Busharat, S. Shukrullah, M. Y. Naz , A. A. Ibrahim A. A. Al-Arainy, Y. Yasin, M. Shoaib, Study of Cation Distribution and Photocatalytic Activity of Non-thermal Plasma Modified NiZnFe ₂ O ₄ Magnetic Nanocomposites	<i>ACS Omega</i> , Vol. 9(13), 14791–14804, 2024	4.132
16.	M. A. Busharat, S. Shukrullah, A. A. Ibrahim, M. Y. Naz , M. Iqbal, Y. Khan, M. Shoaib, Effect of Nonthermal Plasma on Cation Distribution and Photocatalytic Activity of MgFe ₂ O ₄ Nanoparticles for Dye Degradation Application.	<i>International Journal of Chemical Engineering</i> , Vol. 2024, 1-14, Article ID 8059559, 2024.	2.3
17.	B. Shoukat, M. Y. Naz , M. Yaseen, S. Noreen, Microwave Driven Pyrolysis of Plastic Waste into Carbon Nanotubes and Hydrogen using Spinel Ferrites.	<i>Chemical Engineering & Technology</i> , Vol. 47(7), 1013-1023, 2024.	2.1
18.	M. Asghar, M. I. Bashir, M. Tayyab, M. Shafiq, M. Y. Naz , A. A. Ibrahim, M. Shoaib, Analysis of active screen low temperature plasma-assisted deposition of iron nitride thin films on silicon (100) substrate.	<i>AIP Advances</i> , Vol. 14, 035015-8, 2024.	1.697
19.	M. U. Daud, G. Abbas, M. Afzaal, M. Qamar, M. Y. Naz , M. Irfan, S. Rahman, A. Ghuffar, M. A. M. M. Ali, Finite element analysis of thermal sensitivity of copper nanorods, nanoellipsoids, nanospheres and core-shells for hyperthermia application.	<i>Materials Research Express</i> , Vol. 11, 035004, 2024.	2.025
20.	I. Ahmad, S. Shukrullah, M. Y. Naz , E. Ahmed, M. Ahmad, A. J. Obaidullah, A. Alkhouri, A. Mahal, Y. Y. Ghadi, An aimed review of current advances, challenges, and future perspectives of TiO ₂ -based S-scheme heterojunction	<i>Materials Science in Semiconductor Processing</i> , Vol. 172, Article 108088, 1-17, 2024.	4.1

	photocatalysts.		
21.	M. Umair, A. Ghaffar, M. Y. Naz , H. N. Bhatti, Plasmonic Characteristics of Monolayer Graphene in Anisotropic Plasma Dielectric.	<i>Plasmonics</i> , Vol. 10, 1165–1171, 2024.	3.0
22.	M. Alsaiani, S. Afzal, A. Sultan, S. Shukrullah, M. Saleem, M. Y. Naz , M. A. Rizk, M. Irfan, Dielectric barrier discharge plasma processing and Sr-doped ZnO/CNTs photocatalyst decoration of cotton fabrics for self-cleaning application	<i>ACS Omega</i> , Vol. 9(1), 1977–1989, 2024.	4.132
23.	B. Shoukat, H. Hussain, M. Y. Naz , S. Shukrullah, M. Irfan, S. Rahman, K. Kamran, Microwaves Assisted Deconstruction of HDPE waste into structured carbon and hydrogen fuel using Al ₂ O ₃ -(Ni, Zn, Mg)Fe ₂ O ₄ composite catalysts	<i>Thermal Science and Engineering Progress</i> , Vol. 47, 1-13, 102368, 2024.	4.8
24.	M. Irfan, N. U. Ain, H. Hussain, M. Y. Naz , S. Shukrullah, M. A. Munir, S. N. F. Mursal, S. Rahman, M. A. M. M. Ali, Production and characterization of CuNiZnFe ₂ O ₃ dispersed transformer and Kerosene oil based magnetic nanofluids for heat transfer applications.	<i>AIP Advances</i> , Vol. 14, 015208-12, 2024.	1.697
25.	M. U. Saleem, H. Hussain, S. Shukrullah, M. Y. Naz* , M. Irfan, S. Rahman, A. Ghanim, Study of kinetics and working mechanism of silica coated Amino-functionalized CoFe ₂ O ₄ ferrite nanoparticles to treat wastewater for heavy metals.	<i>ACS Omega</i> , Vol. 9, 3507–3524, 2024	4.132
26.	A. A. Hussain, K. Kamran, M. Imran, A. Akram, L. Li, M. Hina, M. Y. Naz , M. S. Mahr · A. Mahmood, A. A. A. Mohammed, Effect of experimental boundary conditions and treatment-time on the electro-desalination of soils	<i>Environmental Geochemistry and Health</i> , Vol 46, 1022, 2024.	4.2
27.	Z. Hussain, A. Khan, M. Y. Naz , K. M. Khan, S. Anwar Sulaiman, H. Gulab, Borax Catalyzed Product Selective High Temperature Pyrolysis of Waste Polyethylene Using Solar Energy	<i>Journal of the Chinese Chemical Society</i> , Vol. 71(3), 315-323, 2024.	1.88
28.	Z. Kashif, M. Y. Naz , A. Maqbool, S. Shukrullah, M. Irfan, S. N. F. Mursal, S. Rahman, M. A. M. M. Ali*, Study of dual Z-scheme photocatalytic response of TiO ₂ /Ag/ZnO coating on plasma-modified cotton fabric for self-cleaning application.	<i>AIP Advances</i> , Vol. 14, 015222-1, 2024.	1.697
29.	S. Shaukat, G. Abbas, M. Afzaal, M. Y. Naz , M. Qamar, A. Ghuffar, Y. Khan, A. A. Al-Arainy, M. Shoaib, Analysis of optical properties of Diallyldimethylammonium chloride dielectric-coated gold nanospheres for targeted drug delivery.	<i>Materials Research Express</i> , Vol. 10(12), 1-12, 125010, 2023.	2.025
30.	I. Ahmad, Y. Zou, J. Yan, Y. Liu, S. Shukrullah, M. Y. Naz , H. Hussain, W. Q. Khan, N. R. Khalid, Semiconductor photocatalysts: a critical review highlighting the various strategies to boost the photocatalytic performances for diverse applications.	<i>Advances in Colloid and Interface Science</i> , Vol. 311, article 102830, pp. 1-23, 2023.	15.60
31.	M. Shoaib, M. Y. Naz , S. Shukrullah, M. A. Munir, M. Irfan, S. Rahman, A. J. Ghanim, Dual S-Scheme Heterojunction CdS/TiO ₂ /g-C ₃ N ₄ Photocatalyst for Hydrogen Production and Dye Degradation Applications.	<i>ACS Omega</i> , Vol. 8(45), 43139–43150, 2023.	4.132
32.	F. Kashif, M. Y. Naz , Z. Kashif, S. Shukrullah, M. Irfan, S. N. F. Mursal, S. Rahman, M. A. M. M. Ali, Indoor water splitting for hydrogen production through electrocatalysis using composite metal oxide catalysts.	<i>AIP Advances</i> , Vol. 13, 115024 - 10, 2023.	1.697
33.	A. Maqbool, S. Shukrullah, F. Kashif, M. Y. Naz , M. Irfan, S. N. F. Mursal, S. Rahman, M. A. M. M. Ali, Photocatalytic response of plasma functionalized and sonochemically TiO ₂ /BiOBr coated fabrics for self-cleaning application.	<i>AIP Advances</i> , Vol. 13(12), 125107-11, 2023.	1.697
34.	M. Irfan, A. Arif, M. A. Munir, M. Y. Naz , S. Shukrullah, S. Rahman, M. Jalalah, A. H. M. Almagani, Statistically Analyzed Heavy Metals removal efficiency of silica-coated Cu _{0.50} Mg _{0.50} Fe ₂ O ₄ magnetic adsorbent for wastewater treatment.	<i>ACS Omega</i> , Vol. 8, 50, 47623–47634, 2023.	4.132
35.	M. Shoaib, M. A. Munir, M. Y. Naz , G. Abbas, M. Irfan, S. Rahman, and A. A. J. Ghanim, Testing of magnetic ZnO/MgFe ₂ O ₄ heterostructures for photocatalytic removal of synthetic dye pollutants from wastewater.	<i>Water, Air, & Soil Pollution</i> , Vol. 234, pp. 422-435, 2023.	2.984
36.	I. Ahmad, S. Shukrullah, M. Y. Naz , H. N. Bhatti, Synergistic effect of doping-induced oxygen vacancies, in-built Tb ⁴⁺ /Tb ³⁺ redox centers and heterojunction on the photocatalytic activity of Sm-doped ZnO/Y-doped Tb ₂ O ₃ for H ₂ evolution.	<i>International Journal of Hydrogen Energy</i> , Vol. 48 (76), 29485-29496, 2023.	7.139
37.	M. U. Shahid, A. Ghaffar, M. Y. Naz , H. N. Bhatt, Electromagnetic Waves in Graphene-Coated Partially Filled Chiroplasma Cylindrical Waveguide.	<i>Plasmonics</i> , Vol. 18, 1979–1989, 2023.	3.0
38.	I. Ahmad, S. Shukrullah, H. Hussain, M. Y. Naz , M. Irfan, O. Alyahyawy, M. A. Althagafi, Optimal architecture of dual S-scheme ZnIn ₂ S ₄ -ZnO-Al ₂ O ₃ heterosystem with high H ₂ evolution rate under visible light.	<i>ACS Omega</i> , Vol. 8(29), 26065–26078, 2023.	4.132

39.	I. Ahmad, S. Shukrullah, H. Hussain, M. Y. Naz , F. K. Alsaif, S. Alsulamy, Y. Khan, Robust S-scheme ZnO-TiO ₂ -Ag with efficient charge separations for highly active hydrogen evolution performance and photocatalytic mechanism insight.	<i>Applied Catalysis A: General</i> , Vol. 662, article 119259, 1-12, 2023.	5.723
40.	M. Irfan, R. Saleem, B. Shoukat, H. Hussain, S. Shukrullah, M. Y. Naz , S. Rahman, A. A. J. Ghanim, G. Nawalany, and T. Jakubowski, Production of Combustible Fuels and Carbon Nanotubes from Plastic Wastes Using an In-situ Catalytic Microwave Pyrolysis Process.	<i>Scientific Reports</i> , Vol. 13, article 9057, pp. 1-15, 2023.	4.997
41.	M. Irfan, R. A. U. Nabi, H. Hussain, M. Y. Naz , S. Shukrullah, H. A. Khawaja, S. Rahman, M. U. Farid, Statistical prediction and sensitivity analysis of kinetic rate constants for the efficient thermal valorization of high-density plastic into combustible oil and gases.	<i>Heliyon</i> , Vol. 9(5), pp. 1-16, 2023.	3.776
42.	M. A. Munir, M. Y. Naz , S. Shukrullah, M. U. Farooq, K. Kamran, M. Irfan, and A. A. J. Ghanim, Testing of magnetic and dielectric traits of microwave plasma treated NiCuZn spinel ferrites for efficient energy storage and high-frequency applications.	<i>Materials Science & Engineering B</i> , Vol. 291, article 116374, 1-8, 2023.	3.407
43.	I. Ahmad, S. Shukrullah, M. Y. Naz , H. N. Bhatti, N. R. Khalid, S. Ullah, Rational design of ZnO-Au-CuO S-scheme heterojunctions for photocatalytic hydrogen production under visible light.	<i>International Journal of Hydrogen Energy</i> , Vol. 48(34), 12683-12698, 2023.	7.139
44.	A. A. Hussain, K. Kamran, M. Hina, M. Ishaq, M. Y. Naz , S. Bashir, N. Sarwar, and M. M. Quazi, Effect of electrokinetic treatment time on energy consumption and salt ions removal from clayey soils.	<i>Materials Research Express</i> , Vol. 10, article 055505, 1-14, 2023.	2.025
45.	I. Ahmad, S. Shukrullah, M. Y. Naz , and H. N. Bhatti, Cu media designed Z-scheme ZnO-Cu-CdS heterojunction photocatalyst for stable and excellent H ₂ evolution, methylene blue degradation and CO ₂ reduction	<i>Dalton Transactions</i> , Vol. 52, pp. 6343-6359, 2023.	4.569
46.	R. A. U. Nabi, H. Hussain, M. Y. Naz , S. Shukrullah, H. A. Khawaja, M. Irfan, S. Rahman, and A. A. Jazem Ghanim, Sensitivity analysis of thermal degradation of plastic waste using statistically assumed exponential factors and activation energies.	<i>ACS Omega</i> , Vol. 8, pp. 14122-14130, 2023.	4.132
47.	I. Ahmad, S. Shukrullah, M. Y. Naz , F. K. Alsaif, S. Alsulamy, Y. Khan, Construction of Ag-modified ZnO-CeO ₂ 2D-1D S-scheme heterojunction photocatalyst with phenomenal photocatalytic performance for H ₂ evolution	<i>Materials Science in Semiconductor Processing</i> , Vol. 159, article 107392, pp. 1-11, 2023.	4.644
48.	I. Ahmad, S. Shukrullah, M. Y. Naz , H. N. Bhatti, Dual S-scheme ZnO-g-C ₃ N ₄ -CuO heterosystem: A potential photocatalyst for H ₂ evolution and wastewater treatment.	<i>Reaction Chemistry & Engineering</i> , Vol. 8, pp. 1159-1175, 2023.	5..20
49.	M. Irfan, S. Afzal, M. Hussain, M. Y. Naz , S. Shukrullah, S. Rahman, S. N. F. Mursal, A. A. J. Ghanim, Testing of Sr doped ZnO/CNT photocatalysts for hydrogen evolution from water splitting under atmospheric dielectric barrier plasma exposure.	<i>ACS Omega</i> , Vol. 8(21), 18891-18900, 2023.	4.132
50.	M. Arfan, A. Ghaffar, M. Y. Naz , M. A. S. Alkanhal, A.H. Alqahtani, Y. Khan, Laguerre-Gaussian beam interaction by a metamaterial coated perfect electromagnetic conductor (PEMC) cylinder.	<i>Optical and Quantum Electronics</i> , Vol. 55, Article 252, pp. 1-13, 2023.	2.794
51.	M. Irfan, R. A. U. Nabi, H. Hussain, M. Y. Naz , S. Shukrullah, H. A. Khawaja, S. Rahman, F. Althobiani, Numerical sensitivity analysis of temperature-dependent reaction rate constants for optimized thermal conversion of high-density plastic waste into combustible fuels.	<i>Canadian Journal of Chemical Engineering</i> , Vol. 101, pp. 5611-5620, 2023.	2.50
52.	I. Uddin, G. Wang, D. Gao, Z. Hussain, M. Y. Naz , B. Hou, and A. Hayat, Conventional and cement-catalyzed co-pyrolysis of rice straw and waste polyethylene into liquid and gaseous fuels by using a fixed bed reactor.	<i>Biomass Conversion and Biorefinery</i> , Vol. 13, 5307-5316, 2023.	4.050
53.	M. Arfan, A. Ghaffar, M. Y. Naz , M. A. Hanif, F. K. Alsaif, Y. Khan, Characteristics of Laguerre-Gaussian beam scattering from a coated circular nihility cylinder.	<i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 25 (1-2), pp. 36 - 42, 2023.	0.587
54.	M. Z. Babur, Z. Iqbal, M. Shafiq, M. Y. Naz , and M. M. Makhlof, Hybrid TiN-CCPN coating of AISI-201 Stainless Steel by Physical Vapor Deposition Combined with Cathodic Cage Plasma Nitriding for Improved Tribological Properties.	<i>Journal of Building Engineering</i> , Vol. 45, pp. 103512, 2022.	7.144
55.	I. Ahmad, S. Shukrullah, M. Y. Naz , M. Ahmad, E. Ahmed, Y. Liu, A. Hussain, S. Iqbal, and S. Ullah, Recent advances and challenges in 2D/2D heterojunction photocatalysts for solar fuels applications.	<i>Advances in Colloid and Interface Science</i> , Vol. 304, Article 102662, pp. 1-27, 2022.	15.60
56.	S. Afzal, H. Hussain, M. Y. Naz , S. Shukrullah, I. Ahmad, M. Irfan, S. N. F. Mursal, S. Legutko, I. Kruszelnicka and D. Ginter-Kramarczyk, Catalytic Hydrogen Evolution from H ₂ S Cracking over Cr _x ZnS Catalyst in a Cylindrical Single-Layered Dielectric Barrier Discharge Plasma Reactor.	<i>Materials</i> , Vol. 15, Article 7426., pp. 1-14, 2022.	3.748

57.	M. Irfan, R. A. U. Nabi, H. Hussain, M. Y. Naz , S. Shukrullah, H. A. Khawaja, S. Rahman, A. A. J. Ghanim, I. Kruszelnicka, D. Ginter-Kramarczyk and S. Legutko, Response Surface Methodology Analysis of Pyrolysis Reaction Rate Constants for Predicting Efficient Conversion of Bulk Plastic Waste into Oil and Gaseous Fuels.	<i>Energies</i> , Vol. 15, Article 9594, pp. 1-17.	3.252
58.	M. U. Farooq, Y. M. Sahin, M. Y. Naz , S. Ijaz, S. Shukrullah, M. M. Makhoulouf, Surface engineered AuNPs for paclitaxel loaded bleomycin delivery as a supplementation therapy.	<i>Applied Nanoscience</i> , Vol. 12, pp. 3883–3899, 2022.	3.869
59.	G. Abbas, M. Afzaal, T. C. Vasconcelos, M. Y. Naz , F. D. Nunes, E. C. C. C. Lins, A. Ghuffar, Z. Wazir, Equivalent Circuit, Enhanced Light Transmission and Power Flow Through Subwavelength Nanoslit of Silver and Gold and Surrounding Medium.	<i>Optical and Quantum Electronics</i> , Vol. 54, Article 857, pp. 1-13, 2022.	2.794
60.	S. Saleem, M. Irfan, M. Y. Naz , S. Shukrullah, M. A. Munir, M. Ayyaz, A. S. Alwadie, S. Legutko, J. Petru, and S. Rahman, Investigating the impact of Cu ²⁺ doping on morphological, structural, optical and electrical properties of CoFe ₂ O ₄ nanoparticles for use in electrical devices	<i>Materials</i> , Vol. 15, Article 3502, pp. 1-14, 2022.	3.748
61.	F. Ramzan, B. Shoukat, M. Y. Naz , S. Shukrullah, F. Ahmad, I. Naz, M. M. Makhoulouf, M. U. Farooq, K. Kamran, Single step microwaves assisted catalytic conversion of plastic waste into valuable fuel and carbon nanotubes.	<i>Thermochimica Acta</i> , Vol. 715, 179294, 2022.	3.378
62.	R. A. U. Nabi, M. Y. Naz , S. Shukrullah, M. Ghamkhar, N. U. Rehman, M. Irfan, A. O. Alqarni, S. Legutko, I. Kruszelnicka, D. Ginter-Kramarczyk, M. Ochowiak, S. Włodarczak, A. Krupińska, M. Matuszak, Statistical prediction of rate constants for pyrolysis of high-density plastic through MLR analysis using R software.	<i>Materials</i> , Vol. 15(17), Article 5910, pp. 1-16, 2022.	3.748
63.	M. Shoaib, M. Y. Naz, S. Shukrullah, M. A. Munir, A. Ghaffar, M. Irfan, S. N. F. Mursal, K. Kamran, Synthesis and testing of photocatalytic potential of MgFe ₂ O ₄ /ZnO/Perlite magnetic heterojunction for degradation of synthetic dyes.	<i>Applied Physics A</i> , Vol. 128, pp. 1-11, 2022.	2.983
64.	A. O. Alqarni, R. A. U. Nabi, F. Althobiani, M. Y. Naz , S. Shukrullah, H. A. Khawaja, M. A. Bou-Rabee, M. E. Gommosani, H. Abdushkour, M. Irfan, M. H. Mahnashi, Statistical optimization of pyrolysis process for thermal destruction of plastic waste based on temperature-dependent activation energies and pre-exponential factors.	<i>Processes</i> , Vol. 10, Article 1559, pp. 1-14, 2022.	3.352
65.	M. A. Munir, M. Y. Naz , S. Shukrullah, M. T. Ansar, M. U. Farooq, M. Irfan, S. N. F. Mursal, S. Legutko, J. Petrů and M. Pagáč, Enhancement of magnetic and dielectric properties of Ni _{0.25} Cu _{0.25} Zn _{0.50} Fe ₂ O ₄ magnetic nanoparticles through non-thermal microwave plasma treatment for high frequency and energy storage applications.	<i>Materials</i> , Vol. 15, Article 6890, pp. 1-17, 2022.	3.748
66.	M. Irfan, H. Hussain, B. Saleem, M. Saleem, S. Shukrullah, S. Legutko, J. Petrů, M. Y. Naz , M. Pagáč, S. Rahman, R. Khan, Evaluation of Ultrasonically ZnO Loading Effect on Photocatalytic Self-Cleaning, UV Protection and Antibacterial Activity of Plasma/Citric Acid-Activated Cotton Fabric.	<i>Nanomaterials</i> , Vol. 12, Article 2122, pp. 1-15, 2022.	5.719
67.	I. Ahmad, S. Shukrullah, M. Y. Naz , H. N. Bhatti, M. Ahmad, E. Ahmed, S. Ullah, M. Hussien, Recent progress in rare earth oxides and carbonaceous materials modified ZnO heterogeneous photocatalysts for environmental and energy applications.	<i>Journal of Environmental Chemical Engineering</i> , Volume 10, Article 107762, pp. 1-28, 2022.	7.968
68.	A. A. Alqahtani, H. Aslam, S. Shukrullah, H. Fatima, M. Y. Naz , S. Rahman, M. H. Mahnashi, and m. Irfan, Nanocarriers for Smart Therapeutic Strategies to Treat Drug-Resistant Tumors: A Review	<i>ASSAY and Drug Development Technologies</i> , Vol. 20(5), 191-210, 2022.	2.471
69.	M. Irfan, F. Zaheer, H. Hussain, M. Y. Naz , S. Shukrullah, S. Legutko, M. H. Mahnashi, M. A. Alsaiani, A. A. Jazem Ghanim, S. Rahman, O. Alshorman, F. S. Alkahtani, M. K. A. Khan, I. Kruszelnicka, D. Ginter-Kramarczyk, Kinetics and Adsorption Isotherms of Amine-Functionalized Magnesium Ferrite Produced Using Sol-Gel Method for Treatment of Heavy Metals in Wastewater.	<i>Materials</i> , Vol. 15, Article, 4009, pp. 1-28, 2022.	3.748
70.	M. Arfan, A. Ghaffar, M. Y. Naz , M. A. Hanif, Radar Cross Section (RCS) of Perfect electromagnetic conductor (PEMC) cylinder by a Laguerre–Gaussian beam.	<i>Kuwait Journal of Science</i> , Vol. 50(3B), 1-10, 2023.	0.806
71.	M. Irfan, S. Shukrullah, M. Y. Naz , I. Ahmad, B. Shoukat, S. Legutko, J. Petrů, S. Rahman, M. A. Alsaiani, Si/SiO ₂ /Al ₂ O ₃ Supported Growth of CNT Forest for the Production of La/ZnO/CNT Photocatalyst for Hydrogen Production.	<i>Materials</i> , Vol. 15, Article, 3226, pp. 1-14, 2022.	3.748

72.	M. Irfan, M. Ayyaz, M. Y. Naz , S. Shukrullah, M. M. Munir, K. Kamran, S. Rahman, M. Jalalah, M. K. A. Khan, M. Alsaiani, U. M. Niazi, Testing of optical, dielectric and photocatalytic properties of Ce ³⁺ doped cobalt-cadmium nanocomposite for high frequency devices and wastewater treatment.	<i>Ceramics International</i> , Vol. 46(6), 8517-8528, 2022.	5.532
73.	M. Irfan, I. Ahmad, S. Shukrullah, H. Hussain, M. Atif, S. Legutko, J. Petru, M. Hatala, M. Y. Naz , S. Rahman, Construction of 0D/2D Schottky heterojunctions of ZnO and Ti ₃ C ₂ nanosheets with the enriched transfer of interfacial charges for photocatalytic hydrogen evolution.	<i>Materials</i> , Vol. 15, Article 4557, pp. 1-14, 2022.	3.748
74.	M. A. Bou-Rabee, M. Y. Naz , Imad ED. Albalaa, and S. A. Sulaiman, BiLSTM Network-Based Approach for Solar Irradiance Forecasting in Continental Climate Zones.	<i>Energies</i> , Vol. 15, Article 2226, 2022.	3.252
75.	N. U. Huda Altaf, M. Y. Naz , S. Shukrullah, M. Ghamkhar, M. Irfan, S. Rahman, T. Jakubowski, E. A. Alqurashi, A. Glowacz, M. H. Mahnashi, Non-thermal plasma reduction of Ag ⁺ ions into silver nanoparticles in open atmosphere under statistically optimized conditions for biological and photocatalytic applications.	<i>Materials</i> , Vol. 15, Article 3826, pp. 1-26, 2022.	3.748
76.	I. Ahmad, S. Shukrullah, M. Y. Naz , E. Ahmed, M. Ahmad, M. S. Akhtar, S. Ullah, M. U. Farooq, S. Iqbal, M. A. Assiri, M. Alzaid, and H. Alrobei, Microwave-assisted one-pot hydrothermal synthesis of V and La co-doped ZnO/CNTs nanocomposite for boosted photocatalytic hydrogen production.	<i>International Journal of Hydrogen Energy</i> , Vol. 47, pp. 15505-15515, 2022.	7.139
77.	M. Qamar, G. Abbas, M. Afzaal, M. Y. Naz , A. Ghuffar, M. Irfan, S. Legutko, J. Jozwik, M. Zawada-Michalowska, A. A. J. Ghanim, S. Rahman, U. M. Niazi, M. Jalalah, F. S. Alkahtani, M. K. A. Khan, and Ewelina Kosicka, Gold Nanorods for Doxorubicin Delivery: Numerical Analysis of Electric Field Enhancement, Optical Properties and Drug Loading/Releasing Efficiency.	<i>Materials</i> , Vol. 15, Article 1764, 2022.	3.748
78.	F. Anjum, M. Y. Naz , A. Ghaffar, N. M. AbdEl-Salam, K. A. Ibrahim, and H. F. Mohamed, Study of thermophysical properties of moist and salt crystallized fired clay bricks for energy saving perspective	<i>Journal of Thermal Analysis and Calorimetry</i> , Vol. 147, 4541-4552, 2022.	4.755
79.	H. Fatima, M. Y. Naz , S. Shukrullah, H. Aslam, S. Ullah, and M. A. Assiri, A Review of Multifunction Smart Nanoparticle based Drug Delivery Systems.	<i>Current Pharmaceutical Design</i> , Vol. 28, 2965-2983, 2022.	3.316
80.	M. A. Munir, M. Y. Naz , S. Shukrullah, M. T. Ansar, G. Abbas, M. M. Makhloof, Microwave plasma treatment of NiCuZn ferrite nanoparticles: A novel approach of improving opto-physical and magnetic properties.	<i>Applied Physics A: Materials Science & Processing</i> , Vol. 128(4), article 345, pp. 1-10, 2022.	2.983
81.	M. Ghamkhar, M. Hussain, M. A. Khadimallah, H. Ayed, M. Y. Naz , and A. Tounsi, Design of intelligent estimation of composite fluid-filled shell for three layered active control structure.	<i>Computers and Concrete</i> , Vol. 29(2), 2022, 117-126.	7.628
82.	M. U. Daud, G. Abbas, M. Afzaal, M. Y. Naz , N. G. Fatima, A. Ghuffar, M. Irfan, M. H. Mahnashi, S. Legutko, J. Petrú, J. Kratochvíl, and U. M. Niazi, Finite Element Analysis of Silver Nanorods, Spheres, Ellipsoids and Core-shell Structures for Hyperthermia Treatment of Cancer.	<i>Materials</i> , Vol. 15, Article 1786, 2022.	3.748
83.	M. Arfan, A. Ghaffar, M. A. S. Alkanhal, M. Y. Naz , A. H. Alqahtani, Orbital Angular Momentum Wave Scattering from Perfect Electromagnetic Conductor (PEMC) Sphere	<i>Optik - International Journal for Light and Electron Optics</i> , Vol. 253, pp. 168562, 2022.	2.840
84.	M. Saeed, A. Ghaffar, S. U. Rehman, M. Y. Naz , S. Shukrullah, Q. A. Naqvi, Graphene-Based Plasmonic Waveguides: A Mini Review.	<i>Plasmonics</i> , Vol. 17, pp. 901-911, 2022.	2.726
85.	I. Ahmad, S. Shukrullah, M. Y. Naz , E. Ahmed, M. Ahmad, Rare earth metals co-doped ZnO/CNTs composite as high performance photocatalyst for hydrogen production from water-triethanolamine mixture.	<i>International Journal of Hydrogen Energy</i> , Vol. 47(15), 9283-9294, 2022.	7.139
86.	H. Aslam, S. Shukrullah, M. Y. Naz , H. Fatima, H. Hussain, S. Ullah, and M. A. Assiri, Current and Future Perspectives of Multifunctional Magnetic Nanoparticles based Controlled Drug Delivery Systems.	<i>Journal of Drug Delivery Science and Technology</i> , Vol. 67, pp. 102946, 2022.	5.062
87.	I. U. Haq, M. Y. Naz , S. Shukrullah, M. Anwar, S. Ullah, A. G. Al-Sehemi, and M. I. Irshad, Dielectric barrier plasma effect on surface functionality and coating properties of ultrasonically coated cotton with ZnO nanoparticles and Aloe vera extraction.	<i>Chemical Papers</i> , Vol. 76, pp. 889-900, 2022.	2.146
88.	M. Saleem, M. Y. Naz , S. Shukrullah, M. A. Shujah, M. Akhtar, S. Ullah, S. Ali, One-pot sonochemical preparation of carbon dots, influence of process parameters and potential applications: A review.	<i>Carbon Letters</i> , Vol. 32, pp. 39-55, 2022.	3.117
89.	M. Aqib, S. Shukrullah, M. Y. Naz , M. Zahid, Post-synthesis microwave plasma treatment effect on magnetization and morphology of manganese-iron	<i>Archives of Metallurgy and Materials</i> , 0.633	

	oxide nanoparticles.	<i>Vol. 67 (3), pp. 837-842, 2022.</i>	
90.	I. Ahmad, M. Y. Naz , S. Shukrullah, S. Ullah, M. A. Assiri, Designing and modification of Bismuth Oxyhalides BiOX (X= Cl, Br and I) photocatalysts for improved photocatalytic performance	<i>Journal of Industrial and Engineering Chemistry, Vol. 105, pp. 1-31, 2022.</i>	6.760
91.	F. Anjum, M. Y. Naz , K. Kamran, S. Shukrullah, S. Ullah, Sustainable insulating porous building materials for energy-saving perspective: Stones to environmentally friendly bricks.	<i>Construction and Building Materials, Vol. 318, pp. 1-16, article 125930, 2022.</i>	7.693
92.	M. Z. Babur, Z. Iqbal, M. Shaiq, M. Y. Naz , M. M. Makhlof, Comparative study of PVD titanium nitride coating with cathodic cage plasma nitriding of austenitic 201 stainless steel for enhanced tribological properties.	<i>Applied Physics A: Materials Science & Processing, Vol. 127, Article 954, pp. 1-10, 2021.</i>	2.983
93.	M. Irfan, M. Y. Naz , M. Saleem, M. Tanawush, A. Glowacz, W. Glowacz, S. Rahman, M. H. Mahnashi, Y. S. Alqahtani, B. A. Alyam, A. O. Alqarni, and M. A. Alsaiani, Statistical Study of Nonthermal Plasma-Assisted ZnO Coating of Cotton Fabric through Ultrasonic-Assisted Green Synthesis for Improved Self-Cleaning and Antimicrobial Properties.	<i>Materials, Vol. 14, Article 6998, pp. 1-19, 2021.</i>	3.748
94.	M. Y. Naz , M. Bou-Rabee, S. Shukrullah, A. Ghaffar, A. Gungor, and S. A. Sulaiman, A review of hybrid energy technologies tenets, controls and combinational strategies.	<i>Cleaner Engineering and Technology, Vol. 5, 100340, 2021.</i>	0
95.	A. Khan, Z. Hussain, K. Hussain, M. Y. Naz , M. R. Jan, S. Shukrullah, S. Ullah, S. A. Sulaiman, and M. Hussien, Evaluation of the catalytic activity of borax and its calcined derivatives for pyrolytic valorization of waste tyre tube rubber for production of oil and gases.	<i>Reaction Kinetics, Mechanisms and Catalysis, Vol. 134, pp. 883-901, 2021.</i>	2.081
96.	N. U. H. Altaf, M. Y. Naz , S. Shukrullah, H. N. Bhatti, M. Irfan, M. A. Alsaiani, S. Rahman, U. M. Niazi, A. Glowacz, K. Proniewska, and L. Wzorek, Statistically Optimized Production of Saccharides Stabilized Silver Nanoparticles Using Liquid-Plasma Reduction Approach for Antibacterial Treatment of Water.	<i>Materials, Vol. 14, pp. 1-21, article no. 5841, 2021.</i>	3.748
97.	M. Saleem, M. Y. Naz , S. Shukrullah, M. A. Shujah, S. Ullah, and A. G. Al-Sehemi, Statistical optimization of open air dielectric barrier discharge plasma effect on self-cleaning activity of ultrasonically Cu ₂ O/TiO ₂ -coated cotton fabric.	<i>Applied Physics A: Materials Science & Processing, 127, 776, 2021.</i>	2.983
98.	N. U. H. Altaf, M. Y. Naz , S. Shukrullah, A. Ghaffar, M. Irfan, D. Walczak, A. Glowacz, M. H. Mahnashi, S. Rahman, G. Królczyk, A. O. Alqarni, and U. M. Niazi, Concurrent Synthesis and Immobilization of Ag Nanoparticles over TiO ₂ via Plasma Reduction for Photocatalytic Treatment of Methyl Blue in Water	<i>Materials, Vol. 14, pp. 1-17, article no. 6082, 2021.</i>	3.748
99.	M. Saleem, M. Y. Naz , S. Shukrullah, M. U. Farooq, M. Zahid, Z. Hussain, and M. M. Makhlof, Experimental and statistical analysis of dielectric barrier discharge plasma effect on sonochemically TiO ₂ coated cotton fabric using complete composite design.	<i>Current Applied Physics, Vol. 31, 158-170, 2021.</i>	2.856
100.	H. Aslam, S. Shukrullah, M. Y. Naz , H. Fatima, S. Ullah, and A. G. Al-Sehemi, Multifunctional Magnetic Nanomedicine Drug Delivery and Imaging based Diagnostic Systems.	<i>Particle and Particle Systems Characterization, Vol. 38(12), 2100179, 2021.</i>	3.467
101.	M. Saleem, M. Y. Naz , S. Shukrullah, S. Ali, S. T. A. Hamdani, Ultrasonic biosynthesis of TiO ₂ nanoparticles for improved self-cleaning and wettability coating of DBD plasma pre-treated cotton fabric.	<i>Applied Physics A: Materials Science & Processing, Vol. 127, pp. 608, 2021.</i>	2.983
102.	M. Rubab, I. A. Bhatti, N. Nadeem, S. A. R. Shah, M. Yaseen, M. Y. Naz , and M. Zahid, Synthesis and photocatalytic degradation of rhodamine B using ternary Zeolite/WO ₃ /Fe ₃ O ₄ composite.	<i>Nanotechnology, Vol. 32, pp. 345705-345717, 2021.</i>	3.953
103.	M. U. Farooq, M. Y. Naz , M. I. Hussain, S. Shukrullah, and M. M. Makhlof, Smart therapeutic strategy of pH-responsive Gold Nanoparticles for combating multidrug resistance.	<i>Particle & Particle Systems Characterization, Vol. 38, pp. 2100073-2100082, 2021.</i>	3.467
104.	M. Z. Yaqoob, A. Ghaffar, M. Y. Naz , and M. A. Hanif, Graphene Loaded Left-Handed Media for Tunable Electromagnetic Surface Waves.	<i>Journal of Electromagnetic Waves and Applications, Vol. 35(13), pp. 1754-1769, 2021.</i>	1.438
105.	N. U. H. Altaf, M. Y. Naz , S. Shukrullah, and H. N. Bhatti, Testing of photocatalytic potential of silver nanoparticles produced through nonthermal plasma reduction reaction and stabilized with saccharides	<i>Main Group Chemistry, Vol. 20, 475-488, 2021.</i>	0.641
106.	Z. Hussain, Zuhra, G. Rukh, A. Zada, M. Y. Naz , K.M. Khan, S. Shukrullah, and S.A. Sulaiman, Construction of rechargeable bio-battery cells from electroactive antioxidants extracted from wasted vegetables.	<i>Cleaner Engineering and Technology, Vol. 5, 100342, 2021.</i>	000
107.	I. Ahmad, S. Shukrullah, M. Y. Naz , M. A. Rasheed, M. Ahmad, E. Ahmed, M. S. Akhtar, N. R. Khalid, A. Hussain, and S. Khalid, Boosted hydrogen	<i>International Journal of Hydrogen Energy, Vol. 46 (53), pp. 26711-26724,</i>	7.139

	evolution activity from Sr doped ZnO/CNTs nanocomposite as visible light driven photocatalyst.	2021.	
108.	M. Y. Naz , M. Irfan, S. Shukrullah, I. Ahmad, A. Ghaffar, U. M. Niazi, S. Rahman, M. S. Jalalah, M. A. Alsaiani, M. K. A. Khan, Effect of microwave plasma treatment on magnetic and photocatalytic response of manganese ferrite nanoparticles for wastewater treatment.	<i>Main Group Chemistry</i> , Vol. 20(3), pp. 423-435, 2021.	0.641
109.	M. Y. Naz , M. Irfan, S. Shukrullah, I. Ahmad, A. Ghaffar, U. M. Niazi, S. Rahman, M. S. Jalalah, M. A. Alsaiani, and M. K. A. Khan, Study of structural, magnetic and optical properties of oxygen plasma-treated manganese-doped iron oxide photocatalyst for wastewater treatment.	<i>Applied Physics A: Materials Science & Processing</i> , Vol. 127, pp. 491, 2021.	2.983
110.	I. Ahmad, S. Shukrullah, M. Y. Naz , M. Ahmad, E. Ahmed, M. S. Akhtar, S. U. Rehman, M. M. Makhlof Efficient hydrogen evolution by liquid phase plasma irradiation over Sn doped ZnO/CNTs photocatalyst.	<i>International Journal of Hydrogen Energy</i> , Vol. 46 (58), pp. 30019-30030, 2021.	7.139
111.	I. Ahmad, S. Shukrullah, M. Y. Naz , E. Ahmed, M. Ahmad, S. U. Rehman, and H. N. Bhatti, The role of synthesis method in hydrogen evolution activity of Ce doped ZnO/CNTs photocatalysts: A comparative study.	<i>International Journal of Hydrogen Energy</i> , Vol. 46(59), pp. 30320-30333, 2021.	7.139
112.	S. Shukrullah, M. Ayyaz, M. Y. Naz , K. A. Ibrahim, N. M. Abdel-Salam, and H. F. Mohamed, Post-synthesis plasma processing and activation of TiO ₂ photocatalyst for the removal of synthetic dyes from industrial wastewater.	<i>Applied Physics A: Materials Science & Processing</i> , Vol. 127, 307-306, 2021.	2.983
113.	Z. Hussain, A. Khan, M. Y. Naz , M. R. Jan, K. M. Khan, S. Perveen, S. Ullah, S. Shukrullah, Borax catalyzed valorization of waste rubber and polyethylene using pyrolysis and co-pyrolysis reactions	<i>Asia-Pacific Journal of Chemical Engineering</i> , Vol. 16: pp. e2696, 2021.	1.777
114.	G. abbas, M. Afzaal, F. D. Nunes, M. Y. Naz , N. M. Abdel-Salam, K. A. Ibrahim, H. F. Mohamed, and Y. Khan, Numerical analysis of optical properties and equivalent electrical circuits of chemically synthesized silver and gold nanospheres.	<i>AIP Advances</i> , Vol. 11(4), 045301, 2021.	1.697
115.	M. Ayyaz, S. Shukrullah, M. Y. Naz , N. M. Abdel-Salam, K. A. Ibrahim, H. F. Mohamed, "Microwave Plasma Assisted Sol-Gel Synthesis of TiO ₂ Photocatalyst for DC Plasma Jet Driven Degradation of Methylene Blue".	<i>ChemistrySelect</i> , Vol. 6, 3229 –3239, 2021.	2.307
116.	F. Anjum, M. Y. Naz , A. Ghaffar, S. Shukrullah, K. Kamran, and A. Ghaffar, "Study of microstructural, physical, thermal and mechanical properties of organic waste incorporated fired clay bricks in the framework of energy conservation".	<i>Journal of Materials in Civil Engineering</i> , Vol. 33(5): 04021066, 2021.	3.651
117.	F. Anjum, M. Y. Naz , A. Ghaffar, S. Shukrullah, N. M. Abdel-Salam, and K. A. Ibrahim, "Study of moisture and temperature response of structural and lithology based thermophysical and energy saving traits of limestone using experimental and least- square fitting methods".	<i>Journal of Thermal Science</i> , Vol. 30(2), 551-561, 2021.	2.013
118.	Z. Hussain, A. Zada, K. Hussain, M. Y. Naz , N. M. Abdel-Salam, K. A. Ibrahim, "Preparation of activated porous glass adsorbent through thermochemical reforming of ampoules and eggshells for remediation of direct blue dye pollution".	<i>Asia-Pacific Journal of Chemical Engineering</i> , Vol. 16(2), e2610-e2620, 2021.	1.777
119.	M. Z. Yaqoob, A. Ghaffar, M. A. S. Alkanhal, M. Y. Naz , A. H. Alqahtani, and Y. Khan, "Tunable surface waves supported by graphene-covered left-handed material structures".	<i>Optics Communications</i> , Vol. 489, 126874-126882, 2021.	2.335
120.	M. Y. Naz , S. Shukrullah, M. Noman, M. Yaseen, M. Naeem, and S. A. Sulaiman, "Effect of Water-Mixed Polyvinyl Alcohol Viscosity on Wear Response of Carbon Steel Exposed to an Eroding Medium".	<i>Journal of Materials Engineering and Performance</i> , Vol. 30, 2066–2073, 2021.	2.036
121.	I. Ahmad, S. Shukrullah, M. Ahmad, E. Ahmed, M. Y. Naz , M. S. Akhtar, N. R. Khalid, A. Hussain, I. Hussain, "Effect of Al doping on the photocatalytic activity of ZnO nanoparticles decorated on CNTs and graphene: Solvothermal synthesis and study of experimental parameters".	<i>Materials Science in Semiconductor Processing</i> , Vol. 123, 105584-105596, 2021.	4.644
122.	Z. Hussain, M. Imtiaz, M. Y. Naz , K. M. Khan, N. M. Abdel-Salam, K.A. Ibrahim, "Thermal and clinker-catalyzed pyrolyses of polystyrene waste using the Portland cement solid-base catalyst".	<i>Asia-Pacific Journal of Chemical Engineering</i> , Vol. 16(1), e2556, 2021.	1.777
123.	M. A. S. Alkanhal, M. Umair, A. Ghaffar, M. Y. Naz , A. H. Alqahtani, and Y. Khan, Propagation of Hybrid Surface Waves in Ferrite Anisotropic Plasma Planar Structures.	<i>Optik - International Journal for Light and Electron Optics</i> , Vol. 229, 166255-166264, 2021.	2.840
124.	M. Umair, A. Ghaffar, M. A. S. Alkanhal, M. Y. Naz , A. H. Alqahtani, and Y. Khan, "Dispersion Characteristics of Hybrid Surface Waves at Chiral - Plasma Interface".	<i>Journal of Electromagnetic Waves and Applications</i> , Vol. 35(2), 150–162, 2021.	1.438
125.	I. Ahmad, M. S. Akhtar, E. Ahmed, M. Ahmad, and M. Y. Naz , "Lu modified ZnO/CNTs composite: A promising photocatalyst for hydrogen	<i>Journal of Colloid and Interface Science</i> , Vol. 584, 182-192, 2021.	9.965

	evolution under visible light illumination”.		
126.	M. Y. Naz , S. Shukrullah, S. U. Rehman, Y. Khan, A. A. Al-Arainy, and R. Meer, “Optical characterization of non-thermal plasma jet energy carriers for effective catalytic processing of industrial wastewaters”.	<i>Scientific Reports</i> , 11, article 2896, 1-13, 2021.	4.996
127.	H. Arshad, S. A. Sulaiman, M. Y. Naz , Z. Hussain, and N. Z. Moni, “Effect of Input Power and Process Time on Conversion of Pure and Mixed Plastics into Fuels through Microwave-metal Interaction Pyrolysis”.	<i>Waste and Biomass Valorization</i> , Vol. 12, 3443–3457, 2021.	3.449
128.	M. Z. Yaqoob, A. Ghaffar, M. A. S. Alkanhal, M. Y. Naz , A. H. Alqahtani, and Y. Khan, “Electromagnetic surface waves supported by a resistive metasurface-covered metamaterial structure”.	<i>Scientific Reports</i> , Vol. 10(1), 15548-155, 2020.	4.996
129.	F. Anjum, M. Y. Naz , A. Ghaffar, S. Shukrullah, N. M. AbdEl-Salam, and K. A. Ibrahim, “Study of Thermal and mechanical traits of organic waste incorporated fired clay porous material”.	<i>Physica B: Physics of Condensed Matter</i> , Vol. 599, 412479-412489, 2020.	2.988
130.	Z. Hussain, N. Sultan, M. Ali, M. Y. Naz , N. M. AbdEl-Salam, and K. Ibrahim “Thermochemical conversion of waste glass and mollusk shells into an absorbent material for separation of direct blue 15 azo dye from industrial wastewater”.	<i>ACS Omega</i> , Vol. 5, 18114–18122, 2020.	4.132
131.	M. H. Shahzad, A. Ghaffar, M. Y. Naz , and H. N. Bhatti, “High-Frequency Energy Distribution of a Plasma Coated Paraboloid Reflector”.	<i>Progress in Electromagnetics Research M</i> , Vol. 92, 11–20, 2020.	2.949
132.	Z. Hussain, M. Khatak, K. M. Khan, M. Y. Naz , N. M. AbdEl-Salam and K. A. Ibrahim, “Production of oil and gas through thermal and thermo-catalytic pyrolysis of waste Polyethylene”.	<i>Monatshefte für Chemie - Chemical Monthly</i> , Vol. 151:1475–1483, 2020.	1.631
133.	N. I. Ismail, M. Y. Naz , S. Shukrullah, and S. A. Sulaiman, “Mechanical Earth Modeling and Sand Onset Production Prediction for Well X in Malay Basin”.	<i>Journal of Petroleum Exploration and Production Technology</i> , Vol. 10, 2753-2758, 2020.	2.508
134.	M. A. Javed, S. Shukrullah, M. Y. Naz , R. A. Sarfaraz, “Image Velocimetry and Statistical Analysis of a Mesh-coupled Axial Blade Distributor for Mass Transfer in a Swirling Bed”.	<i>Journal of Theoretical and Applied Mechanics</i> , Vol. 58, 3, 779-790, 2020.	0.973
135.	S. Shukrullah, M. Y. Naz , A. Ghaffar, Y. Khan, A. A. Al-Arainy, and R. Meer, “Experimental and Statistical Validation of Data on Mesh-Coupled Annular Distributor Design for Swirling Fluidized Beds”.	<i>Processes</i> , Vol. 8, Article 632, 1-18, 2020.	3.352
136.	Z. Hussain, A. Sardar, K. M. Khan, M. Y. Naz , S. A. Sulaiman and S. Shukrullah, “Construction of Rechargeable Protein Battery from Mixed-waste Processing of Fish scales and Chicken Feathers”.	<i>Waste and Biomass Valorization</i> , Vol. 11, 2129–2135, 2020.	3.449
137.	Z. Hussain, S. Khan, M. Rafiq, M. Y. Naz , N. M. AbdEl-Salam, and K. A. Ibrahim, “Catalytic valorization of waste soap into hydrocarbon rich oil and fuel gas”.	<i>Biomass Conversion and Biorefinery</i> , Vol. 10, 1091–1098, 2020.	4.050
138.	S. Shukrullah, M. A. Javed, M. Y. Naz , K. A. Ibrahim, A. G haffar, and N. M. AbdEl-Salam’ “Velocimetry and Response Surface Regression Analysis of a Swirling Bed Tested with Mesh-coupled Axial Blade Distributor”.	<i>Review of Scientific Instruments</i> , Vol. 91(4), 045106-045115, 2020.	1.843
139.	K. A. Ibrahim, M. Y. Naz , S. Shukrullah, S. A. Sulaiman, A. Ghaffar, and N. M. AbdEl-Salam, “Nitrogen Pollution Impact and Remediation through Low Cost Starch Based Biodegradable polymers”.	<i>Scientific Reports</i> , Vol. 10, 5927-5936, 2020.	4.996
140.	M. Naeem, J. C. Díaz-Guillén, M. Akram, J. Iqbal, M. Y. Naz , and M. Shafiq, “Novel active screen plasma nitriding of aluminum using aluminum cathodic cage”.	<i>Surface Review and Letters</i> , Vol. 27(09), pp. 1950205, 2020.	1.240
141.	Z. Akyurek, B. Sahin, M. Y. Naz , S. A. Sulaiman, and A. Gungor, “Hydrogen conversion using gasification of tea factory wastes”.	<i>Journal of the Serbian Chemical Society</i> , 85(7), 967–977, 2020	1.100
142.	Z. Hussain, M. Imtiaz, M. Y. Naz , U. Khaled, K. M. Khan, and Y. Khan, “White cement and burnt brick powder catalyzed pyrolysis of waste polystyrene for production of liquid and gaseous fuels”.	<i>Asia-Pacific Journal of Chemical Engineering</i> , Vol. 15(1), 1-8, 2020	1.777
143.	Z. Akyurek, B. Sahin, A. Akyüz, M. Zaman, M. Y. Naz , S. A. Sulaiman, and A. Gungor, “Numerical Simulation of Stoichiometric Thermodynamic Equilibrium Modeling of a Downdraft Biomass Air Gasifier”.	<i>Solid Fuel Chemistry</i> , Vol. 53(6), 426-435, 2019.	0.829
144.	H. M. U. Arshad, H. Anwar, Y. Javed, M. Y. Naz , A. Ghaffar, M. Z. Khan, and Z. Farooq, “Investigation of photo-catalytic degradation of methylene orange dye using titanium dioxide–zinc oxide nanocomposites”.	<i>Materials Research Express</i> , Vol. 6(12), 125009, 2019.	2.025
145.	S. A. Sulaiman, M. Y. Naz , M. Inayat, S. Shukrullah, and A. Ghaffar, “Thermochemical Characteristics and Gasification of Date Palm Fronds for Energy Production”.	<i>Theoretical Foundations of Chemical Engineering</i> , Vol. 53(6), 1083–1093, 2019.	0.924

146.	S. Shukrullah, M. A. Javed, M. Y. Naz , Y. Khan, M. A. S. Alkanhal, A. Ghaffar, and N. M. Abdel-Salam, "PIV and Statistical Analysis of a Swirling Bed Process Carried out using a Hybrid Model of Axial Blade Distributor".	<i>Processes</i> , Vol. 7, article 697, 1-13, 2019	3.352
147.	S. Shukrullah, M. Y. Naz , N. M. Mohamed, K. A. Ibrahim, N. M. Abdel-Salam, and A. Ghaffar "CVD Synthesis, Functionalization and CO ₂ Adsorption Attributes of Multiwalled Carbon Nanotubes".	<i>Processes</i> , Vol. 7, article 634, 1-14, 2019	3.352
148.	M. Y. Naz , S. Shukrullah, S. A. Sulaiman, A. Ghaffar, K. A. Ibrahim, and N. M. Abdel-Salam, "PIV Study of a Swirling Fluidized Bed Operated with a Mesh-coupled Annular Blade Distributor".	<i>Brazilian Society of Mechanical Sciences and Engineering</i> , Vol. 41(9), 1-8, 2019.	2.361
149.	Z. Hussain, H. Naz, M. Rafiq, H. Gulab, M. Y. Naz , S. A. Sulaiman, K. M. Khan, "Conversion of spent fat oil into liquid and gaseous fuels through clinker catalyzed pyrolysis".	<i>Brazilian Journal of Chemical Engineering</i> , Vol. 36(2), 949-957, 2019.	1.772
150.	Illahi, M. Bashir, P. Iftikhar, Q. A. Naqvi, A. Ghaffar, M. Y. Naz , "Electromagnetic scattering from complex conjugate cylinder of infinite length".	<i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 21(5-6), 338-342, 2019.	0.587
151.	I. Toqeer, M. Y. Naz , Y. Khan, M. Azam, and R. Meer, "Morphological and magnetic response of copper-substituted nickel ferrite nanoparticles".	<i>Philosophical Magazine Letters</i> , Vol. 99(2), 67-76, 2019.	1.195
152.	H. A. Raza, M. Shafiq, M. Naeem, and M. Y. Naz , "Enhancement of Mechanical and Structural Traits of Aluminum Using Low Energy Plasma Focus Device".	<i>ChemistrySelect</i> , Vol. 4, 5348-5354, 2019.	2.307
153.	A. Khan, N. Sultan, M. Y. Naz , K. Saed, S. A. Sulaiman, 'Thermo-Chemical Conversion of Waste Glass into Non-vitreous Porous Material for Adsorption Application'.	<i>Journal of Material Cycles and Waste Management</i> , Vol. 21, 1132-1143, 2019.	3.579
154.	I. Toqeer, A. Ghaffar, M. Y. Naz , and B. Sultana, "Characteristics of dispersion modes supported by Graphene Chiral Graphene waveguide".	<i>Optik - International Journal for Light and Electron Optics</i> , Vol 186, 28-33, 2019.	2.840
155.	Z. Hussain, H. Naz, M. Y. Naz , H. Gulab, S. A. Sulaiman, K. M. Khan, and S. Shukrullah, "Catalytic and noncatalytic conversion of spent fat oil into combustible gases and liquids".	<i>Journal of Renewable and Sustainable Energy</i> , Vol. 11, 023102-023110, 2019.	2.847
156.	M. Inayat, S. A. Sulaiman, J. C. Kurni and M. Y. Naz , "Catalytic and non-catalytic gasification of wood-coconut shell blend under different operating conditions".	<i>Environmental Progress & Sustainable Energy</i> , Vol. 38(2), 688-698 2019.	2.824
157.	S. Shukrullah, M. Y. Naz , N. M. Mohamed, A. Ghaffar, K. A. Ibrahim, and N. M. Abdel-Salam "Synthesis of MWCNT Forests with Alumina-Supported Fe ₂ O ₃ Catalyst by Using a Floating Catalyst Chemical Vapor Deposition Technique".	<i>Journal of Nanomaterials</i> , Vol. 2019, Article ID 4642859, 2019.	3.791
158.	S. Shukrullah, M. Y. Naz , N. M. Mohamed, A. Ghaffar, K. A. Ibrahim, and N. M. Abdel-Salam "Production of Bundled CNTs by Floating a Compound Catalyst in an Atmospheric Pressure Horizontal CVD Reactor".	<i>Results in Physics</i> , Vol. 12, 1163-1171, 2019.	4.565
159.	H. A. Raza, M. Shafiq, M. Naeem, M. Y. Naz , J. C. Díaz-Guillén and C. M. Lopez-Badillo, "Cathodic cage plasma pre-treatment of TiN-coated AISI-304 stainless steel for enhancement of mechanical strength and wear resistance".	<i>Journal of Materials Engineering and Performance</i> , Vol. 28, 20-32, 2019.	2.036
160.	A. Ghaffar, M. M. Hussan, A. Illahi, M. A. S. Alkanhal, S. U. Rehman and M. Y. Naz , "Effects on RCS of a perfect electromagnetic conductor sphere in the presence of anisotropic plasma layer".	<i>Waves in Random and Complex Media</i> , Vol. 28(1), 35-48, 2018.	4.051
161.	Z. Hussain, K. Hussain, S. A. Sulaiman, M. Y. Naz , K. A. Ibrahim, and N. M. Abdel-Salam, "Preparation of upgraded bio-oil using two-step catalytic pyrolysis of fresh, putrefied and microbe treated biomass".	<i>Environmental Progress & Sustainable Energy</i> , Vol. 37, 1836-1844, 2018.	2.824
162.	M. Azam, I. Toqeer, A. Ghaffar, M. Y. Naz , M. A. S. Alkanhal, and Y. Khan, "Electromagnetic Wave Reflectance, Transmittance, and Absorption in a Graphene-Covered Uniaxial Crystal Slab".	<i>Progress in Electromagnetics Research M</i> , Vol. 73, 71-79, 2018.	6.000
163.	K. Hussain, N. Bashir, Z. Hussain, M. Y. Naz , S. A. Sulaiman, A. Ghaffar and K. M. Khan, "Production of Highly Upgraded Bio-oil by Microwave-metal Interaction Pyrolysis of Biomass in a Copper Coil Reactor".	<i>International Journal of Green Energy</i> , Vol. 15(12), 758-765, 2018.	3.206
164.	M. Y. Naz , S. Sulaiman, Y. Khan, A. Ghaffar and Y. Jamil, I. Ahmad, "Study of Particle dynamics in a swirling fluidized bed by using a mesh-type air distributor".	<i>Journal of Porous Media</i> , 21(11), 1059-1068, 2018.	1.782
165.	S. A. Sulaiman, R. Roslan, M. Inayat, and M. Y. Naz , "Effect of blending ratio and catalyst loading on co-gasification of wood chips and coconut waste".	<i>Journal of the Energy Institute</i> , Vol. 91, 779-785, 2018.	6.470
166.	N. Bashir, K. Hussain, Z. Hussain, M. Y. Naz , K. A. Ibrahim and N. M. Abdel-Salam, "Effect of metal coil on product distribution of highly upgraded	<i>Chemical Engineering and Processing - Process Intensification</i> , Vol. 130, 140-	4.264

	bio-oil produced by microwave-metal interaction pyrolysis of biomass".	147, 2018.	
167.	F. Safiyyullah, S. A. Sulaiman, M. Y. Naz , M. S. Jasmani and S. M. A. Ghazali, "Prediction on Performance Degradation and Maintenance of Centrifugal Gas Compressors using Genetic Programming".	<i>Energy</i> , Vol. 158, 485-494, 2018.	8.857
168.	M. Y. Naz , M.R Ahmad, Y. Khan and A. Ghaffar, "Structural Study on Nano-crystals of Spinel $Mg_x-Zn_{1-x}-Fe_2O_4$ Ferrite with and without Calcination".	<i>High Temperature Materials and Processes</i> , Vol. 38(1), 89-95, 2018.	1.121
169.	M. Yaseen, Q. Mahmood, S. M. Ramay, I. Ali, M. Y. Naz and A. Mahmood, "The First-Principle Study of the Electronic Structure and Ferromagnetic and Thermoelectric Properties of Spinel Alloy $FeAl_2O_4$ Using mBJ Functional Approach".	<i>Journal of Superconductivity and Novel Magnetism</i> , Vol 31(5), 1435-1441, 2018.	1.675
170.	Z. Hussain, N. Bashir, M. I. Khan, K. Hussain, S. A. Sulaiman, M. Y. Naz , K. A. Ibrahim, and N. M. Abdel-Salam, "Production of highly upgraded bio-oils through two-step catalytic pyrolysis of water hyacinth".	<i>Energy & Fuels</i> , Vol. 31(11), 12100-12107, 2017.	4.656
171.	S. Shukrullah, N. M. Mohamed, Y. Khan, M. Y. Naz , A. Ghaffar and I. Ahmad, "Effect of Gas Flowrate on Nucleation Mechanism of MWCNTs for a Compound Catalyst".	<i>Journal of Nanomaterials</i> , Vol. 2017, Article ID 3407352, 1-9, 2017.	3.791
172.	Y. Khan, S. Shukrullah, M. Y. Naz , A. Ghaffar, I. Ahmad and S. Alsuhaibani, "Ferrocene Weight Optimization for CVD Growth of Carbon Nanotubes Over $Si/SiO_2/Al_2O_3$ ".	<i>Digest Journal of Nanomaterials and Biostructures</i> , Vol. 12, No. 4, 957-963, 2017.	0.899
173.	M. Hussain, A. Ghaffar, M. A. S. Alkanhal, M. Y. Naz , S. U. Rehman and Y. Khan, "Scattering from Isotropic Plasma Coated Nihility Sphere".	<i>Physics of Plasmas</i> , Vol. 24(6), 063303-8, 2017.	2.357
174.	K. A. Ibrahim, M. Y. Naz , S. A. Sulaiman, A. Ghaffar, Y. Jamil and N. M. Abdel-Salam, "Effect of Urea and Borate Plasticizers on Rheological Response of Corn Starch".	<i>Polymers</i> , Vol. 9, 361-371, 2017.	4.967
175.	M. Y. Naz and S. A. Sulaiman, "Attributes of Natural and Synthetic Materials Pertaining to Slow-Release Urea Coating Industry".	<i>Reviews in Chemical Engineering</i> , Vol. 33(3), 293-308, 2017.	8.742
176.	M. Shahbaz, S. Yusuf, M. Y. Naz , S. A. Sulaiman, A. Inayat and A. Partama "Fluidization of palm kernel shell, palm oil fronds, and empty fruit bunches in a swirling fluidized bed gasifier".	<i>Particulate Science and Technology</i> , Vol 35(2), 150-157, 2017.	2.628
177.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun and M. Y. Naz , "Study of Surface Defects and Crystallinity of MWCNTs Growth in FCCVD".	<i>Science and Engineering of Composite Materials</i> , Vol. 24(6), 845-851, 2017.	1.901
178.	M. M. Hussan, A. Ghaffar, I. Shakir, M. Y. Naz and Q. A. Naqvi, "Effects of ferrite coating layer on PEMC sphere radar cross section".	<i>Optik - International Journal for Light and Electron Optics</i> , Vol. 142, 376-384, 2017.	2.840
179.	A. Ghaffar, M. M. Hussan, N. M. Abdel-Salam, K. Ibrahim, M. Y. Naz and Q. A. Naqvi, "Echo width of plasma coated topological insulator cylinder".	<i>International Journal of Applied Electromagnetics and Mechanics</i> , Vol 54(4), 489-499, 2017.	0.536
180.	M. Y. Naz , S. A. Sulaiman, S. Shukrullah, A. Ghaffar, K. A. Ibrahim, N. M. Abdel-Salam, "Development of Erosion-Corrosion Mechanism for the Study of Steel Surface Behavior in a Sand Slurry".	<i>Measurement</i> , Vol. 106, 203-210, 2017.	5.131
181.	M. Y. Naz , N. I. Ismail, S. A. Sulaiman and S. Shukrullah, "Characterization of Erosion of Gas Pipelines by Dry Sand".	<i>Instrumentation Science & Technology</i> , Vol. 45(1), 62-72, 2017.	1.509
182.	M. Y. Naz , S. A. Sulaiman, S. Shukrullah, A. Ghaffar, Y. Khan and I. Ahmad, "PIV Investigations on Particle Velocity Distribution in Uniform Swirling Regime of Fluidization".	<i>Granular Matter</i> , Vol. 19 (2), pp. 40-47, 2017.	3.010
183.	A. S. Khan, A. Ghaffar, M. Y. Naz , M. Azam, Y. Khan and I. Ahmad, "Synthesis of nickel-copper nanocrystalline ferrite adsorbents for treatment of textile effluents".	<i>Digest Journal of Nanomaterials and Biostructures</i> , Vol. 12(2), 235-242, 2017.	0.899
184.	M. Y. Naz , S. A. Sulaiman and M. A. Bou-Rabee, "PTV Investigations on Density Dependent Velocity Vector Profiles of a Swirling Fluidized Bed".	<i>Drying Technology</i> , Vol. 35(2), 193-202, 2017.	3.556
185.	Z. Hussain, S. A. Sulaiman, N. Bashir, I. Uddin, K. M. Khan, S. Perveen and M. Y. Naz , "Effect of Pre-treatment on Product Distribution of Two-Step Catalytic Pyrolysis of Spirogyra".	<i>Environmental Progress & Sustainable Energy</i> , Vol. 36(3), 775-780, 2017.	2.824
186.	S. A. Sulaiman, M. Y. Naz , C. S. Miin and V. R. Raghavan, "Particle Image Velocimetry of a Swirling Fluidized Bed at Different Blade Angles".	<i>Chemical Engineering & Technology</i> , Vol. 39 (6), 1151-1160, 2016.	2.215
187.	M. Y. Naz and S. A. Sulaiman, "Slow Release Coating Remedy for Nitrogen Loss from Conventional Urea: A Review".	<i>Journal of Controlled Release</i> , Vol. 225, 109-120, 2016.	11.467
188.	S. A. Sulaiman, H. S. Bamufleh, S. N. A. Tamili, M. Inayat, M. Y. Naz , "Characterization of Date Palm Fronds as a Fuel for Energy Production".	<i>Bulletin of the Chemical Society of Ethiopia</i> , 30(3), 465-472, 2016.	1.218

189.	M. Y. Naz , S. Shukrullah, S. A. Sulaiman, N. U. Rehman, Y. Khan and A. Ghaffar, "Investigations on spatial distribution of low temperature plasma parameters using NiCr wire probe diagnostic".	<i>Measurement</i> , Vol. 91, 194-200, 2016.	5.131
190.	M. Y. Naz and S. A. Sulaiman, "PTV Profiling of Particles Motion from the Top and Side of a Swirling Fluidized Bed".	<i>Journal of Instrumentation</i> , Vol. 11(5), P05019-P05036, 2016.	1.121
191.	A. Ghaffar, M. M. Hussan, Majeed A. S. Alkanhal and M.Y. Naz , "Scattering characteristics of homogeneous magnetized ferrite coated PEMC cylinder".	<i>Optik - International Journal for Light and Electron Optics</i> , Vol. 127 (20), 8451-8460, 2016.	2.840
192.	M. Y. Naz , S. Shukrullah, N. U. Rehman, A. Ghaffar and M. Sagir, "A Low Frequency Dielectric Barrier Discharge System Design for Textile Treatment".	<i>Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</i> , Vol. 46 (1), 104-109, 2016.	1.514
193.	Z. Hussain, S. A. Sulaiman, A. Khan, K. M. Khan, S. Perveen and M. Y. Naz , "Two-Step Pyrolysis of Spirogyra for Fuels using Cement Catalytic".	<i>Waste and Biomass Valorization</i> , Vol. 7(6), 1481-1489, 2016.	3.449
194.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun and M. Y. Naz , "Effect of FBCVD Process Parameters on Growth Mechanism and Morphology of Multitwalled Nanotubes".	<i>Materials Chemistry and Physics</i> , Vol. 176, 32-43, 2016.	4.778
195.	M. Y. Naz , N. I. Ismail, S. A. Sulaiman and S. Shukrullah, "Abrasive Erosion Study on S45C Carbon Steel using Sand Blasting Technique".	<i>Surface Review and Letters</i> , Vol. 23(4), 1650035-1650042, 2016.	1.240
196.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun and M. Y. Naz , "Effect of Ethylene Flow Rate and Process Time on Diameter Distribution of MWCNTs".	<i>Materials and Manufacturing Processes</i> , Vol. 31, 1537-1542, 2016	4.783
197.	Z. Hussain, S. A. Sulaiman, H. Gul, S. Farooq, K. M. Khan, H. Gulab and M. Y. Naz , "Conversion of Waste-soap and Soap-like Materials into Diesel and Gasoline by Catalytic Pyrolysis using Virgin Soap as Model".	<i>The Canadian Journal of Chemical Engineering</i> , Vol. 94(1), 94-100, 2016.	2.500
198.	S. A. S. Chatha, A. I. Hussain, S. Ali, M. J. Saif, A. I. Mallhi, M. Sagir and M. Y. Naz , "Significance of Chitosan to Improve the Substantivity of Reactive Dyes".	<i>Journal of the Chilean Chemical Society</i> , Vol. 61(2), 2852-2854, 2016.	1.431
199.	R. R. M. Khan, A. Adnan, M. Pervaiz, M. A. Raza, M. Sagir and M.Y. Naz , "Biodegradation of H acid by Bacillus Subtilis and RP-HPLC Method development for percent degradation estimation".	<i>Russian Journal of Physical Chemistry B</i> , Vol. 10(3), 517-523, 2016.	1.296
200.	M. Y. Naz , S. A. Sulaiman and B. Ariwahjoedi, "Effect of the Borax Mass and Pre-Spray Medium Temperature on Droplet Size and Velocity Vector Distributions of Intermittently Sprayed Starchy Solutions".	<i>Physical Chemistry Chemical Physics</i> , Vol. 17(5), 3704-3714, 2015.	3.945
201.	M. Y. Naz , A. Ghaffar, I. Shakir, Q. A. Naqvi "Analysis of optical focused electromagnetic field by a parabolic reflector coated with a plasma layer under normal incidence".	<i>Journal Of Optoelectronics and Advanced Materials</i> , Vol. 17(1-2), 27 – 32, 2015.	0.587
202.	M. Y. Naz , A. Ghaffar and Q. A. Naqvi "Characteristics of high frequency powers through a chiral slab sandwiched between graphene layers".	<i>Optoelectronics and Advanced Materials-Rapid Communications</i> , Vol. 9(3-4), 357-361, 2015.	0.587
203.	M. Y. Naz , S. A. Sulaiman and Z. Man, "Time Function PDA Study of Spray Growth and Droplet Size-Velocity Profiles of Chemically Modified Tapioca Starch".	<i>Aerosol and Air Quality Research</i> , Vol. 15, 1699-1711, 2015.	4.530
204.	S. Ullah, M. Nadeem, M. Y. Naz , M. Ayoub, M.A.Bustam and A. M. Shariff, "Effect of Benzotriazole and Surfactants on Corrosion Inhibition of Copper Alloys in Sulphuric and Hydrochloric Acids".	<i>International Journal of Electrochemical Science</i> , Vol. 10, 8321-8333, 2015.	1.541
205.	M. Y. Naz , N. I. Ismail, S. A. Sulaiman and S. Shukrullah, "Electrochemical and Dry Sand Impact Erosion Studies on Carbon Steel".	<i>Scientific Reports</i> , Vol. 5, 16583-16591, 2015.	4.996
206.	M. Z. Yaqoob, A. Ghaffar, I. Shakir, M. Y. Naz , Q. A. Naqvi "Electromagnetic scattering from perfect electromagnetic conductor (PEMC) sphere placed in Isotropic plasma".	<i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 17(1-2), 177 – 181, 2015.	0.500
207.	M. Z. Yaqoob, A. Ghaffar, I. Shakir, M. Y. Naz , Q. A. Naqvi "Electromagnetic scattering from isotropic-plasma coated perfect electromagnetic conductor sphere".	<i>Optoelectronics and Advanced Materials-Rapid Communications</i> , Vol. 9(1-2), 274 – 279, 2015.	0.47
208.	C. S. Miin, S. A. Sulaiman, V. R. Raghavan, M. R. Heikal and M. Y. Naz , "Hydrodynamics of Multi-sized Particles in Stable Regime of a Swirling Bed".	<i>Korean Journal of Chemical Engineering</i> , Vol. 32(11), 2361-2367, 2015.	3.146
209.	M. U. Farooq, A. Ali, A. Qayyum, M. Y. Naz , I. Shakir, S. Shukrullah, A. Ghaffar, "Time Function Triple Langmuir Probe Measurements in Low Frequency Pulsed DC Discharge Plasma".	<i>High Energy Chemistry</i> , Vol. 49(4), 286-293, 2015.	0.842
210.	A. Ali, M. U. Farooq, M. Y. Naz , A. Qayyum, Y. Khan, A. Ghaffar, S. Shukrullah, "Symmetric Tungsten Triple Probe Diagnostic for Time Resolved Measurements in Plasma Discharge".	<i>International Journal of Applied Electromagnetics and Mechanics</i> , Vol. 49, 289-298, 2015.	0.536

211.	M. Y. Naz , S. Shukrullah, A. Ghaffar, S. Ullah, M. Pervaiz and M. Sagir, "Surface Morphology and Mechanical Strength of AISI M2 Tool Steel Treated in Abnormal Glow Region of Plasma".	<i>Surface Engineering and Applied Electrochemistry</i> , 51(1), 58-64, 2015.	0.289
212.	M. Y. Naz , S. A. Sulaiman "Physico-chemical properties of carbohydrate polymer coatings for slow release urea industry".	<i>Main Group Chemistry</i> , Vol. 14, 35-42, 2015.	0.641
213.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Effect of pre-coat solution temperature on fluidized bed urea coatings".	<i>Surface Engineering</i> , Vol. 31(7), 486-491, 2015.	2.451
214.	M. Y. Naz , A. Ghaffar, I. Shakir, Q. A. Naqvi "Optical focused electromagnetic field of a perfect electromagnetic conductor elliptical reflector in un magnetized plasma environment".	<i>Optoelectronics and Advanced Materials-Rapid Communications</i> , Vol. 9(1-2), 208 – 212, 2015.	0.47
215.	S. Ullah, M. A. Bustam, F. Ahmad, M. Nadeem, M. Y. Naz , M. Sagir and A. M. Shariff "Synthesis and Characterization of Melamine Formaldehyde Resins for Decorative Paper Application".	<i>Journal of the Chinese Chemical Society</i> , Vol. 62, 182-190, 2015.	1.753
216.	S. Shukrullah, N. M. Mohamed, M. Y. Naz and M. S. Shaharun, "Synthesis and Characterization of Multiwalled Carbon Nanotubes Using Ferrocene and Aluminum Oxide/Iron Nitrate Catalysts".	<i>Analytical Letters</i> , Vol. 48(2), 340-348, 2015.	2.267
217.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Visual Characterization of Heated Water Spray Jet Breakup Induced by Full Cone Spray Nozzles".	<i>Journal of Applied Mechanics and Technical Physics</i> , 56(2), 211-219, 2015.	0.561
218.	M. Pervaiz, M. Yousaf, M. Sagir, M. Mushtaq, M. Y. Naz , Sami Ullah and R. Mushtaq "Synthesis and Characterization of Bimetallic Post Transition Complexes for Antimicrobial Activity".	<i>Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</i> , 45(4), 546-552, 2015.	1.514
219.	M. Y. Naz , A. Ghaffar, N. U. Rehman, M. A. Javeid and S. Shukrullah, "Plasma Ion Nitriding of Tool Steel Using 50 Hz Pulsed DC Source with Nitrogen as a Base Gas".	<i>Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry</i> , Vol. 45, 1057-1062, 2015.	1.514
220.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Characterization of Modified Tapioca Starch Solutions and Their Sprays for High Temperature Coating Applications".	<i>The Scientific World Journal</i> , vol. 2014, Article ID 375206, 10 pages, 2014.	1.22
221.	Sami Ullah, M. A. Bustam, M. Nadeem, M. Y. Naz , W. L. Tan and A. M. Shariff "Synthesis and Thermal Degradation Studies of Melamine Formaldehyde Resins".	<i>The Scientific World Journal</i> , Vol. 2014, Article ID 940502, 2014.	1.22
222.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Study of primary atomization phenomena of modified starch solution stream at elevated temperature".	<i>Materials Research Innovations</i> , Vol. 18(6), S6-1-S6-5, 2014.	0.809
223.	M. Z. Yaqoob, A. Ghaffar, I. Shakir, M. Y. Naz , M. Sarfaraz, S. Ahmed, Q. A. Naqvi "Electromagnetic scattering from perfect electromagnetic conductor cylinders placed in magnetized plasma medium".	<i>Optoelectronics and Advanced Materials-Rapid Communications</i> , Vol. 8(11-12), 1150-1156, 2014.	0.47
224.	M. Y. Naz and S. A. Sulaiman, "Surface Morphology and Dissolution Rate of Slow Discharge Urea Coated with Modified Starch-Urea-Borax Matrix".	<i>Polymer-Plastics Technology and Materials</i> , Vol. 53(17), 1778-1787, 2014.	2.439
225.	M. Z. Yaqoob, A. Ghaffar, I. Shakir, M. Y. Naz , S. Ahmed, Q. A. Naqvi "Electromagnetic scattering from a plasma coated perfect electromagnetic conductor cylinder placed in chiral metamaterials".	<i>Optoelectronics and Advanced Materials-Rapid Communications</i> , Vol. 8 (5-6), 488-494, 2014.	0.47
226.	M. Y. Naz and S. A. Sulaiman, "Testing of Starch based Carbohydrate Polymer Coatings for Enhanced Urea Performance".	<i>Journal of Coatings Technology and Research</i> , Vol. 11(5), 747-756, 2014.	2.339
227.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun and M. Y. Naz , "Effect of ferrocene concentration on the quality of multiwalled CNTs grown by floating catalytic chemical vapor deposition technique".	<i>Main Group Chemistry</i> , Vol. 13(3), 251-259, 2014.	0.641
228.	M. Pervaiz, M. Yousaf, M. Sagir, M. Y. Naz , M. Mushtaq, S. Ullah and S. A. S. Chatha, "Novel Preparation and Spectral Investigation of a Series of Schiff Base Derivatives Monometallic Transition Metal Complexes (Zn, Cu, Mn, Co) as a bacterial and fungus inhibitors".	<i>Main Group Chemistry</i> , Vol. 13(2), 129-145, 2014.	0.641
229.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Visual study of the water spray jet breakup and vortex clouds formation at elevated temperature and pressure".	<i>Arabian Journal of Science and Engineering</i> , Vol. 39, 7241-7250, 2014.	2.807
230.	M. Y. Naz , S. Shukrullah, A. Ghaffar, I. Shakir, S. Ullah and M. Sagir "Testing of Nickel-Chrome Alloy as a Tip Material in Designing of Multi-tip Langmuir Probes".	<i>Surface Review and Letters</i> , Vol. 21(4), 1450056, 2014.	1.240
231.	M. Y. Naz , S. Shukrullah, A. Ghaffar and N. U. Rehman, "Development of simple designs of multi-tip probe diagnostic systems for RF plasma characterization".	<i>The Scientific World Journal</i> , Volume 2014, Article ID 279868, 8 pages, 2014.	1.22

232.	N. U. Rehman, G. Murtaza, M. Y. Naz , M. Shafiq and M. Zakaullah, "Characterization of 13.56 MHz RF Ne-N ₂ mixture plasma using intrusive and non-intrusive diagnostic techniques".	<i>Physica Scripta</i> , Vol. 88(4), 045503, 2013.	3.081
233.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Investigation of vortex clouds and droplet sizes in heated water spray patterns generated by axisymmetric full cone nozzles".	<i>The Scientific World Journal</i> , Vol. 2013, Article ID 796081, 9 pages, 2013.	1.22
234.	M. Pervaiz, M. Yousaf, M. Sagir, Ashhar-uz-Zaman, M. Mushtaq and M. Y. Naz , "Synthesis of Tetradentate Schiff Bases Derivatives of Transition Bimetallic Complexes as Antimicrobial Agents".	<i>Journal of the Chinese Chemical Society</i> , Vol. 60, 1150-1155, 2013.	1.967
235.	A. Ghaffar, M. Shoaib, N. Mehmood, M. Y. Naz , M. Azam and Q. A. Naqvi, "Electromagnetic Field Diffraction of a Paraboloidal Mirror under Oblique Incidence".	<i>International journal of Applied Electromagnetics and Mechanics</i> , Vol. 41(4), 479-494, 2013.	0.536
236.	A. Ghaffar, M. Y. Naz and Q. A. Naqvi, "Electromagnetic field transmitted by dielectric plano-convex lens placed in Chiral medium".	<i>Progress in Electromagnetics Research</i> , Vol. 123, 67-81, 2012.	6.000
237.	A. Ghaffar, M. H. Shahzad, M. Y. Naz , S. Ahmed, M. Sharif and Q. A. Naqvi, "Analysis of electromagnetic field from a uniaxial chiral cylindrical lens".	<i>Journal of Electromagnetic Waves and Applications</i> , Vol. 26, 1007-1017, 2012	1.438
238.	M. Y. Naz , A. Ghaffar, N. U. Rehman, S. Shukrullah and M. A. Ali, "Optical characterization of 50 Hz atmospheric pressure single dielectric barrier discharge plasma".	<i>Progress in Electromagnetics Research</i> , Vol. 24, 193-207, 2012.	6.000
239.	A. Ghaffar, N. Mehmood, M. Shoaib, M. Y. Naz , A. Illahi and Q. A. Naqvi, "Scattering of a Radially Oriented Hertz Dipole Field by a Perfect Electromagnetic Conductor (PEMC) Sphere".	<i>Progress in Electromagnetics Research B</i> , Vol. 42, 163-180, 2012.	2.949
240.	F. U. Khan, N. U. Rehman, S. Naseer, M. Y. Naz , N. A. D. Khattak, and M. Zakaullah, "Effect of excitation and vibrational temperature on the dissociation of nitrogen molecules in Ar-N ₂ mixture RF discharge".	<i>Spectroscopy Letters</i> , Vol. 44(3), 194-202, 2011.	1.340
241.	M. Y. Naz , A. Ghaffar, N. U. Rehman, S. Naseer, M. Zakaullah, "Double and triple Langmuir probes measurements in inductively coupled nitrogen plasma".	<i>Progress in Electromagnetic Research</i> , Vol. 114, 113-128, 2011.	6.000
242.	M. Y. Naz , A. Ghaffar, N. U. Rehman, M. Azam, S. Shukrullah, A. Qayyum, M. Zakaullah, "Symmetric and asymmetric double Langmuir probes characterization of radio frequency inductively coupled nitrogen plasma".	<i>Progress in Electromagnetic Research</i> , Vol. 115, 207-221, 2011.	6.000

ISI AND SCOPUS INDEXED PUBLICATIONS (Without impact factor):

Sr #	Authors & Title	Journal & Year	I.F.
1.	M. Bou-Rabee, Z. Baharudin, S. Sulaiman and M. Y. Naz , Wind Power Characteristics and Feasibility for Electrical Energy Generation.	<i>International Journal of Strategic Energy and Environmental Planning</i> , 2(1), 30-46, 2023.	
2.	M. Saeed, A. Ghaffar, M. Y. Naz , and M. A. Hanif, Propagation of Surface Waves Along the Graphene Coated Metal Cylindrical Waveguide Embedded in Dielectric Environment.	<i>Pakistan Journal of Scientific and Industrial Research</i> , 65A(3), 207-213, 2022.	SCOPUS Index
3.	M. Saleem, M. Y. Naz , B. Shoukat, S. Shukrullah, and Z. Hussain, "Functionality and applications of non-thermal plasma activated textiles: A review".	<i>Materials Today: Proceedings</i> , 47, S74-S82, 2021.	ISI Index
4.	M. Y. Naz , S. Ahmad, S. Shukrullah, N. U. H. Altaf, and A. Ghaffar, "Effect of microwave plasma treatment on membrane structure of polysulfone fabricated using phase inversion method".	<i>Materials Today: Proceedings</i> , 47 S18-S21, 2021.	ISI Index
5.	N. I. Ismail, E. Lawrence, M. Y. Naz , S. Shukrullah, S. A. Sulaiman, "Role of particle size distribution of bridging agent for drilling mud on formation damage near wellbore".	<i>Materials Today: Proceedings</i> , 47 S13-S17, 2021.	ISI Index
6.	S. Shukrullah, M. Y. Naz , N. U. H. Altaf, and A. Ali, "Effect of DC voltage on morphology and size distribution of silver nanorods synthesized through plasma-liquid interaction method".	<i>Materials Today: Proceedings</i> , 47 S46-S49, 2021.	ISI Index
7.	S. Shukrullah, M. Azam, M. Y. Naz , I. Toqeer, and A. Gungor, "Effective removal of chromium from wastewater with Zn doped Ni ferrite nanoparticles produced using co-precipitation method".	<i>Materials Today: Proceedings</i> , S9-S11, 2021.	ISI Index
8.	M. Ayyaz, M. Y. Naz , A. Shoukat, M. Marriam, M. U. Akram, Z. Hussain, S. Shukrullah, and I. Toqeer, "Microwave plasma assisted sol-gel technique for synthesis of TiO ₂ nanoparticles".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012035, 2020.	ISI Index

9.	M. Ayyaz, N. U. Huda, F. Rasool, H. Sami-ur-Rehman, A. Mehmood, M. Y. Naz , S. Shukrullah, and A. Ghaffar, "Effects of pure and mixed stabilizers on opto-electrical properties and morphology of TiO ₂ nanoparticles synthesized by sol-gel method".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012029, 2020.	ISI Index
10.	S. Naz, M. Nadeem, M. Zain-ul-Abideen, S. K. Buttar, S. Shukrullah, M. Y. Naz , and Y. Jamil, "Experimental investigation of impact of dust accumulation on the performance of photovoltaic solar module".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012016, 2020.	ISI Index
11.	M. Y. Naz , N. A. Khan, M. Naeem, F. Sharif, F. A. Heral, A. Ghaffar, and S. Shukrullah, "Viscosity impact investigation on erosion of carbon steel insand-mixed-poliviny alcohol".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012015, 2020.	ISI Index
12.	F. Anjum, F. Rasool, F. Mohyudin, A. Ameen, M. Y. Naz , A. Ghaffar, and S. Shukrullah, "Study of effect of moisture and temperature on thermal and physical properties of limestone using a transient plane source technique".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012014, 2020.	ISI Index
13.	M. Shoaib-ur-Rehman, Z. Javaid, I. Asghar, M. Azam, S. Shukrullah, F. Iqbal, A. Maqsood, and M. Y. Naz , "Photo-catalytic response of zinc-doped nickel ferrite nanoparticles for removal of chromium from industrial wastewater".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no., 012017, 2020.	ISI Index
14.	M. Saleem, N. Kousar, B. Shoukat, M. Shoaib-ur-Rehman, F. Batool, M. Y. Naz , and A. Ghaffar, "Plasma-fabric interaction for surface activation and functionalization: A review".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012036, 2020.	ISI Index
15.	S. Saleem, I. Asghar, S. Manzoor, A. Abbas, S. Shukrullah, M. Y. Naz , and Z. Hussain, "Synthesis and characterization of silver nanorods using watercoupled atmospheric pressure dc plasma".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012030, 2020.	ISI Index
16.	M. Hussain, B. Shoukat, A. A. Wahid, S. Shukrullah, M. Anwar, M. Z. Ashraf, and M.Y. Naz , "Computational fluid dynamics study of a single stage solar stillfor water treatment".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012018, 2020.	ISI Index
17.	N. H. Altaf, T. Anjam, M. M. Sajid, N. A. Shad, S. Shukrullah, M. Y. Naz , and Y. Javed, "Characterization of manganese/cobalt oxide composites synthesized by chemical co-precipitation method".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012021, 2020.	ISI Index
18.	M. Y. Naz , S. Shukrullah, S. A. Sulaiman, and A. Gungor, "Testing of New design of Mesh-coupled Axial Blade Distributor for Swirling Fluidization Operation".	<i>Scientific Journal of Mehmet AkifErsoy University, Techno-Science 2: 4-Special Issue</i> , 111-118, 2019.	---
19.	S. A. Sadiq, Z. Waseem, S. Hanif, S. Riaz, K. Hayat, A. I. F. Batool, Y. Jamil, M. Y. Naz , and H. Anwar, "Investigation of the role of pH on structural and morphological properties of titanium dioxide nanoparticles".	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 863, article no. 012046, 2020.	ISI Index
20.	M. Y. Naz , S. A. Sulaiman, N. I. Ismail, M. Inayat, S. Shukrullah, and A. Ghaffar, "Study of Impact Erosion of Oil and Gas Flowlines with Micro-sized Sand Particles".	<i>MATEC Web of Conferences</i> , Vol. 225, 03003-03008, 2018.	Scopus Index
21.	M. Inayat, S. A. Sulaiman, and M. Y. Naz , "Thermochemical Characterization of Oil Palm Fronds, Coconut Shells, and Wood as A Fuel for Heat and Power Generation".	<i>MATEC Web of Conferences</i> , Vol. 225, 01008-01013, 2018.	Scopus Index
22.	T. Mahmood, M. Y. Naz , S. A. Sulaiman, Y. Jamil, S. Shukrullah, M. Zahid, M. Inayat, "CFD Modeling and Experimental Validation of a Solar Still".	<i>MATEC Web of Conferences</i> , Vol. 131, 02010-02015, 2017.	Scopus Index
23.	M. Y. Naz , S. A. Sulaiman, T. Mahmood, M. I. Hussain, A. Ghaffar, Yasir Jamil, and M. Inayat, "Heating Performance Study on a Passive Solar Heater".	<i>MATEC Web of Conferences</i> , Vol. 131, 02012-02017, 2017.	Scopus Index
24.	H. Arshad, S. A. Sulaiman, Z. Hussain, M. Y. Naz and F. Basrawi, "Microwave assisted pyrolysis of plastic waste for production of fuels: a review".	<i>MATEC Web of Conferences</i> , Vol. 131, 02005-02011, 2017.	Scopus Index
25.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun, S. Ullah and M. Y. Naz , "Effective CO ₂ adsorption on pristine and chemically functionalized MWCNTs".	<i>AIP Conference Proceedings</i> , 1787, 050025-1–050025-6, 2016.	ISI Index
26.	M. Y. Naz , N. I. Ismail, S. A. Sulaiman and S. Shukrullah, "Erodent Impact Angle and Velocity Effects on Surface Morphology of Mild Steel".	<i>Procedia Engineering</i> , Vol. 148, 896–901, 2016.	ISI Index
27.	M. Y. Naz and S. A. Sulaiman, "Optimum temperature on atomization of starch based viscous polymer".	<i>International Journal of Thermal Energy and Applications</i> , Vol. 1(1), 32-38, 2015.	----

28.	M. Y. Naz , S. A. Sulaiman, Z. Man and B. Ariwahjoedi, "Effect of the water spray stress on swirling fluidized bed height".	<i>ARPN Journal of Engineering and Applied Sciences</i> , Vol. 10 (21), 10192-10195, 2015.	Scopus Index
29.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi, "Sauter Mean Diameter Profiles of Droplets in a Continuous Spray Stream".	<i>Applied Mechanics and Materials</i> , Vol. 695, 473-476, 2015.	ISI Index
30.	M. Y. Naz , S. A. Sulaiman and B. Ariwahjoedi, "Spatio-temporal Droplet Size Statistics in Developing Spray of Starchy Solution".	<i>AIP Conference Proceedings</i> , Vol. 1669, 020033, 2015.	Scopus Index
31.	M. Y. Naz , S. A. Sulaiman and B. Ariwahjoedi, "Sauter Mean Diameter Statistics of an Atomized Starch Dispersion".	<i>AIP Conference Proceedings</i> , Vol. 1669, 020032, 2015.	Scopus Index
32.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Effect of Temperature and Pressure on Spray Properties of Tapioca Starch Adhesives".	<i>Applied Mechanics and Materials</i> , Vol. 699, 81-86, 2015.	ISI Index
33.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi, Effect of Viscosity and Heating Temperature on an Intermittent Spray Jet of Starch Dispersion.	<i>Applied Mechanics and Materials</i> , Vol. 695, 459-462, 2015.	ISI Index
34.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi, Effect of Viscosity and Heating Temperature on an Intermittent Spray Jet of Starch Dispersion.	<i>Applied Mechanics and Materials</i> , Vol. 695, 459-462, 2015.	ISI Index
35.	M. Y. Naz , S. A. Sulaiman, S. Shukrullah, M. Sagir, "Investigation of Air Quality and Suspended Particulate Matter Inside and Outside of University Research Laboratories".	<i>Trends in Applied Sciences Research</i> , Vol. 9(1), 43-53, 2014.	ISI Index
36.	M. Y. Naz and S. A. Sulaiman, "Study of Axial and Radial Spray Droplet Size Distribution of Modified Starch Slurry".	<i>Journal of Applied Science and Agriculture</i> , 9(18), 26-29, 2014.	ISI Index
37.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun, M. Y. Naz , "Carbon Nanotubes Grown by catalytic decomposition of ethylene over F_2O_3/Al_2O_3 catalyst".	<i>Journal of Applied Science and Agriculture</i> , 9(18), 51-54, 2014.	ISI Index
38.	M. Y. Naz , S. A. Sulaiman M. H. M. Ariff and B. Ariwahjoedi, "Urea Encapsulation in a Modified Starch Matrix for Nutrients Retention".	<i>AIP Conference Proceedings</i> , Vol. 1621, 316, 2014.	Scopus Index
39.	M. Y. Naz and S. A. Sulaiman, "Time Dependent Droplet Size Transport Along the Spray Centerline of Non-Newtonian Solution".	<i>Journal of Applied Science and Agriculture</i> , 9(18), 41-46, 2014.	ISI Index
40.	S. Shukrullah, N. M. Mohamed, M. S. Shaharun and M. Y. Naz , "Mass Production of Carbon Nanotubes Using Fluidized Bed Reactor: A Short Review".	<i>Trends in Applied Sciences Research</i> , Vol. 9(3), 121-131, 2014.	ISI Index
41.	M. Pervaiz, M. Yousaf, M. Sagir, AnsarPervaiz and M. Y. Naz , "Spectral Investigation of Schiff Base Monometallic Transition Metal Complexes as Bacterial and Fungus Inhibitors".	<i>Trends in Applied Sciences Research</i> , Vol. 9(3), 132-143, 2014.	ISI Index
42.	A. Pervaiz, M. M. Athar, M. A. Khan, A. U. zaman, M. Pervaiz, M. Sagir and M. Y. Naz , "Synthesis, Characterization and Antimicrobial Activities of Copper Metal Complex with 3-Acetyl-4-Hydroxy-8-Methyl Quinoline".	<i>Science International-Lahore</i> , Vol. 26(1), 227-231, 2014.	ISI Index
43.	M. Y. Naz , S. A. Sulaiman, B. Ariwahjoedi and Ku Zilati, "Visual Study of Hollow Cone Water Spray Jet Breakup Process at Elevated Temperatures and Pressures".	<i>Applied Mechanics and Materials</i> , Vol. 465-466, 485-489, 2014.	ISI Index
44.	M. Y. Naz , S. A. Sulaiman and B. Ariwahjoedi, "Experimental Study of Airless Spray Jet Breakup at Elevated Temperature and Pressure".	<i>Applied Mechanics and Materials</i> , Vol. 393, 711-716, 2013.	ISI Index

CONFERENCE PRESENTATIONS & EXHIBITIONS:

Sr #	Title of Presentation	Conference Name & Year
1.	Reflected electromagnetic field by chiral coated spherical reflector.	Conference on Applications and Methods of Physics, 21-22 November 2011, NUST, Islamabad-Pakistan.
2.	Experimental Study of Airless Spray Jet Breakup at Elevated Temperature and Pressure.	International Conference on Applied Mechanics and Engineering (ICAME 2013), August 28-29, 2013, UTiM, Malaysia.
3.	Visual Characterization of Airless Spray Jet Breakup at Elevated Temperature and Pressure.	Annual Postgraduate Conference, July 02-03, 2013, Universiti Teknologi PETRONAS, Malaysia.
4.	Mass production of carbon nanotubes using fluidized bed reactors: A short review.	Annual Postgraduate Conference, June 02-03, 2013, Universiti Teknologi PETRONAS, Malaysia.
5.	Study of Physical Properties and Jet Breakup Mechanism of Modified Tapioca Starch Solutions at	OneBAJA Symposium, August 15-17, 2013, Universiti Putra

	Elevated Temperature and pressure.	Malaysia.
6.	Visual Study of Hollow Cone Water Spray Jet Breakup Process at Elevated Temperatures and Pressures.	4th International Conference on Mechanical and Manufacturing Engineering (ICME 2013), December 2013, UTHM, Malaysia.
7.	Study of Physical and Spray Properties of Tapioca Starch Adhesives at Elevated Temperature and Pressure.	1st International Conference on the Science and Engineering of Materials (ICoSEM 2013), 13-14 November, 2013, Universiti Malaya, Malaysia.
8.	Effect of Temperature and Pressure on Spray Properties of Tapioca Starch Adhesives.	3rd International Conference and Exhibition on Sustainable Energy and Advanced Materials (ICE-SEAM 2013), 30-31 October 2013, Universiti Teknikal Malaysia, Melaka.
9.	Development of Tapioca Starch Based Biopolymers and Associated Spraying Mechanism.	31st Edition of Science and Engineering Design Exhibition 2013 (SEDEX 31), Universiti Teknologi PETRONAS.
10.	A Simple Design of DBD Reactor for Textile Processing Industry.	32nd Edition of Science and Engineering Design Exhibition 2013 (SEDEX 32), Universiti Teknologi PETRONAS.
11.	Tapioca Starch Based Polymer Coating of Urea Granules for Controlled Release of Nitrogen.	URPC 2013, 13 December 2013, Universiti Teknologi PETRONAS, Malaysia.
12.	Investigation of Droplet Sizes and Velocity Vectors in Spray Stream of Starch Based Liquid Polymers".	Biannual Postgraduate Conference-I, 07-10 May, 2014, Universiti Teknologi PETRONAS, Malaysia.
13.	Comparative Study of Ferrocene and Al ₂ O ₃ /Iron Nitrate Catalysts for Synthesis of MWCNTs in a CVD Reactor.	Biannual Postgraduate Conference-I, 07-10 May, 2014, Universiti Teknologi PETRONAS, Malaysia.
14.	Urea Encapsulation in a Modified Starch Matrix for Nutrients Retention.	International Conference of Fundamental and Applied Sciences, 03-05 June, 2014, Universiti Teknologi PETRONAS, Malaysia.
15.	Study of Axial and Radial Spray Droplet Size Distribution of Modified Starch Slurry.	International Postgraduate Conference on Engineering Materials (IPCEM), 17-18 October, 2014, International Postgraduate Network, Langkawai, Malaysia.
16.	Time Dependent Droplet Size Transport Along the Spray Centerline of Non-Newtonian Solution.	International Postgraduate Conference on Engineering Materials (IPCEM), 17-18 October, 2014, International Postgraduate Network, Langkawai, Malaysia.
17.	Carbon Nanotubes Grown by catalytic decomposition of ethylene over F ₂ O ₃ /Al ₂ O ₃ catalyst.	International Postgraduate Conference on Engineering Materials (IPCEM), 17-18 October, 2014, International Postgraduate Network, Langkawai, Malaysia.
18.	Effect of Viscosity and Heating Temperature on an Intermittent Spray Jet of Starch Dispersion	World Virtual Conference on Advanced Research in Materials and Engineering Applications, 24-26 September, 2014, Malaysia.
19.	Sauter Mean Diameter Profiles of Droplets in a Continuous Spray Stream.	World Virtual Conference on Advanced Research in Materials and Engineering Applications, 24-26 September, 2014, Malaysia.
20.	Nitrogen Release Tests of Slow Release Urea Coated with Modified Starch Matrix.	Biannual Postgraduate Conference-II, 06-9 November, 2014, Universiti Teknologi PETRONAS, Malaysia.
21.	Spatio-temporal Droplet Size Statistics in Developing Spray of Starchy Solution.	23rd Scientific Conference of the Microscopy Society Malaysia (SCMSM), 10-12 December, 2014, Universiti Teknologi PETRONAS, Malaysia.
22.	Sauter Mean Diameter Statistics of an Atomized Starch Dispersion.	23rd Scientific Conference of the Microscopy Society Malaysia (SCMSM), 10-12 December, 2014, Universiti Teknologi PETRONAS, Malaysia.
23.	Carbohydrate Polymer Coatings for Green Urea.	33rd Edition of Science and Engineering Design Exhibition 2014 (SEDEX 33), Universiti Teknologi PETRONAS.
24.	Fluidized Bed Spray Coated Urea for Nutrients Retention.	34th Edition of Science and Engineering Design Exhibition 2014 (SEDEX 34), 8-9 December, 2014, Universiti Teknologi PETRONAS.
25.	Effect of water spray stress on fluidized bed height.	UTP-UMP Symposium on Energy Systems, 7th October, 2015, Universiti Teknologi PETRONAS, Malaysia.
26.	Effect of Orientation Angle on Sand Erosion of Mild Steel.	2st International Conference on the Science and Engineering of Materials (ICoSEM 2015), 16-18 November, 2015, Universiti Malaya, Malaysia.
27.	Hybrid Energy Systems.	Academic & Research Exhibition (ACADREX 2015), 23-25 October 2015, Universiti Teknologi PETRONAS, Malaysia.
28.	Nucleation of MWCNTs with Controlled Structural Parameters.	1st International Conference on Emerging Technologies for Waste Water and Alternative Energy Processes 1-2 June 2016, University of Gujrat in Gujrat, Pakistan.
29.	Velocity profiling of spherical plastic beads in a	2nd UTP-UMP Symposium on Energy Systems, September 22,

	swirling fluidized bed.	2016, Pekan, Pahang, Malaysia.
30.	Erodent Impact Angle and Velocity Effects on Surface Morphology of Mild Steel.	4 th International Conference on Process Engineering and Advanced Materials (ICPEAM), 15-17 August 2016, Kuala Lumpur, Malaysia
31.	Evaluation of Dry and Aqueous Erosion of Oil and Gas Pipelines.	1st International Conference on Emerging Technologies for Waste Water and Alternative Energy Processes 1-2 June 2016, University of Gujrat in Gujrat, Pakistan.
32.	An Annular Blade Distributor Design for Stable Operation of Swirling Fluidized Beds.	1st International Conference on Emerging Technologies for Waste Water and Alternative Energy Processes 1-2 June 2016, University of Gujrat in Gujrat, Pakistan.
33.	Proximate and Ultimate Analysis of Date Palm Frond Biomass for Energy Production.	International workshop on Sustainable Energy Solutions for Community Development in Pakistan, 8-9 November, 2016, Jointly Organized by University of Kassel-Germany and University of Agriculture Faisalabad-Pakistan.
34.	Effect of Particle Size Distribution of Drilling Mud's Bridging Agent on Formation Damage.	4 th Intermarital Conference on Integrated Petroleum Engineering and Geosciences (ICIPEG), 15-17August 2016, Kuala Lumpur, Malaysia.
35.	Biopolymer Coating for Controlled Release from Granular Urea.	International Conference on Sustainable Agriculture in Pakistan, 17-19 November, 2016, America-Pakistan Center for Advanced Studies in Agriculture, University of Agriculture Faisalabad, Pakistan.
36.	Dry Sand Erosion and Surface Profiles of Stainless Steel Coupons.	4 th Intermarital Conference on Integrated Petroleum Engineering and Geosciences (ICIPEG), 15-17 August 2016, Kuala Lumpur, Malaysia.
37.	CFD Modeling and Experimental Validation of a Solar Still.	3 rd UTP-UMP Symposium on Energy Systems, 26-27 September, 2017, Universiti Teknologi PETRONAS, Malaysia.
38.	Heating Performance Study on a Passive Solar Heater.	3 rd UTP-UMP Symposium on Energy Systems, 26-27 September, 2017, Universiti Teknologi PETRONAS, Malaysia.
39.	Fluidized bed pyrolysis of biomass.	Annual Poster Competition on Cutting-edge Research in Physics (PCCRP), October 11, 2017, Organized by Department of Physics, University of Agriculture Faisalabad.
40.	Synthesis of Carbon Nanotubes through FCCVD technique by using Si/SiO ₂ /Al ₂ O ₃ substrate and ferrocene catalyst.	2 nd International Conference on Materials Science and Nanotechnology 19-20 February, 2018, Government College University, Faisalabad.
41.	Effect of sanding on surface topography of stainless steel coupons.	2 nd International Conference on Materials Science and Nanotechnology 19-20 February, 2018, Government College University, Faisalabad.
42.	A Comprehensive Modeling Approach Combining Three Zero-Emission Scenarios and Bioenergy with Carbon Capture and Storage to Attain Safe Climate Goals.	8 th International Conference on Advances in Applied Science and Environmental Technology - ASET 2018, 23-24 June, 2018, the IRED, HOTEL W PARIS, France.
43.	Study of Impact Erosion of Oil and Gas Flowlines with Micro-sized sand particles.	UTP-UMP-VIT Symposium on Energy Systems, 17, 18 September, 2018 Tele-Conference, University Malaysia Pahang, Malaysia.
44.	Thermochemical characterization of oil palm fronds, coconut shells, and wood as a fuel for heat and power generation.	UTP-UMP-VIT Symposium on Energy Systems, 17, 18 September, 2018 Tele-Conference, University Malaysia Pahang, Malaysia.
45.	Study of viscosity impact on erosion of carbon steel in sand-mixed-polyvinyl alcohol.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
46.	Effect of moisture and temperature on thermophysical properties of limestone.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
47.	Synthesis of silver nanorods using water coupled atmospheric pressure dc plasma.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
48.	Computational fluid Dynamics Study of a Single Stage Solar Still for Water Treatment.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
49.	Photo-catalytic response of zinc-doped nickel ferrite nanoparticles for removal of chromium from industrial waste water.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
50.	Plasma fabric interaction for surface activation and functionalization: A review.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
51.	Experimental investigation of impact of dust	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October,

	accumulation on the performance of photovoltaic solar module.	2019 Tele-Conference, University Malaysia Pahang, Malaysia.
52.	Effects of pure and mixed stabilizers on the opto-electrical properties and morphology of TiO ₂ nanoparticles synthesized by solgel method.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
53.	Microwave plasma assisted sol-gel technique for synthesis of TiO ₂ nanoparticles at ambient temperature.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
54.	A review of synthesis roots of iron nanoparticles.	UTP-UMP-UAF Symposium on Energy Systems, 01, 02 October, 2019 Tele-Conference, University Malaysia Pahang, Malaysia.
55.	Testing of New design of Mesh-coupled Axial Blade Distributor for Swirling Fluidization Operation.	2ndInternational Conference on Technology and Science, Techno-Science 2019, November 14-16, 2019, Burdur, Turkey.
56.	Catalytic and non-catalytic treatment of industrial wastewater under the exposure of nonthermal dc plasma jet.	3rd International Conference on Technology and Science, Techno-Science 2020, December 18-20, 2020, Burdur, Turkey.
57.	Microwave pyrolysis of high-density polyethylene and polypropylene using sodium zeolite catalyst and activated carbon	5th International Food, Agriculture and Veterinary Sciences Congress 2023, March 17-19, 2023/Kars, Organized by Kafkas University and IKSAD Institute, Turkey.
58.	Sensitivity analysis of kinetic rate reactions for thermal degradation of plastic waste at a fixed temperature using statistically assumed exponential factors and activation energies	5th International Food, Agriculture and Veterinary Sciences Congress 2023, March 17-19, 2023/Kars, Organized by Kafkas University and IKSAD Institute, Turkey.
59.	Microwave pyrolysis of pure and mixed plastic wastes into hydrogen and valuable carbon using sodium zeolite catalyst	5th International Food, Agriculture and Veterinary Sciences Congress 2023, March 17-19, 2023/Kars, Organized by Kafkas University and IKSAD Institute, Turkey.
60.	Magneto-dielectric investigation of non-thermal treated ternary ferrites for high-frequency and energy storage applications	International Mediterranean Congress, June 15-16, 2023 / Nicosia, TRNC, organized by Near East University and IKSAD Institute, Turkey.
61.	Synergistic effect of CNTs and NiZnFe ₂ O ₄ for photocatalytic H ₂ evolution activity	4. International Mediterranean Congress, June 15-16, 2023 / Nicosia, TRNC, organized by Near East University and IKSAD Institute, Turkey.