


CURRICULUM VITAE

	<p>Dr. GYAN PRAKASH JOSHI Assistant Professor (Physics) Department of Humanities, English & Applied Sciences University Departments Rajasthan Technical University, Kota, INDIA-324010 Email: gpjoshi@rtu.ac.in ; Mob.: +91-9782793056 Teaching Experience : 21 Years</p>	
---	---	---

Educational Qualification

Qualification	University / Board Name	Completion Date
Ph.D.	University of Rajasthan, Jaipur	2004
M.Sc.	M.D.S., Univ. Ajmer (Raj.)	2001
B.Sc.	M.D.S., Univ. Ajmer (Raj.)	1999
12 th	B.S.E.R., Ajmer (Raj.)	1996
10 th	B.S.E.R., Ajmer (Raj.)	1994

Awards and recognitions

1.	Life Member of the Indian Society for Technical Education, New Delhi
----	--

Conference/Workshop/FDP organized

1.	Coordinate Five days RTU(ATU), TEQIP-III Student Workshop on Engineering Physics at Anand International College of Engineering, Jaipur, during January 11-16, 2021.
2.	Coordinate One day UD, TEQIP-III Webinar on Materials and Devices for organic Solar Cells at HEAS (Physics) Department, University Departments, Rajasthan Technical University, Kota, on September 25, 2020.

Orientation/Refresher Course Attended

1.	UGC Sponsored Orientation course organized by Academic Staff College, University of Raj., Jaipur, during 12.03.2007 to 07.04.2007
2.	UGC Sponsored Refresher course on Materials Science by Academic Staff College, University of Raj.,

Jaipur, during 10.08.2009 to 29.08.2009

Workshops/Summer School/FDP attended

1.	National Seminar Cum Workshop on "Surface modifications and characterizations by Energetic Ion Beams" organized by Deptt. of Physics, University of Raj., Jaipur, during 23.11.2001 to 24.11.2001.
2.	Second National Conference on 'Thermo-Physical Properties" organized by Deptt. of Physics, University of Raj., Jaipur, during 19.09.2002 to 21.09.2002.
3.	National Seminar on "Application of Nuclear Techniques in science teaching" organized by University Maharaja's College, Jaipur during 28.09.2002 to 29.09.2002.
4.	3 ^d National Conference on "Thermophysical properties" organized by Deptt. of Physics, Goa University, Goa during 19.01.2005 to 20.01.2005.
5.	Awareness Workshop on "The facilities of UGC-DAE consortium for scientific research" organized by Deptt. of Physics, University of Raj., Jaipur during 18.11.2005 to 19.11.2005.
6.	National Conference on "Recent advancements in microwave technique and applications" organized by Deptt. of Physics, University of Raj., Jaipur during 06.10.2006 to 08.10.2006
7.	21 st National Symposium on "Plasma science & technology" organized by Malaviya National Institute of Technology, Jaipur during 19.12.2006 to 22.12.2006.
8.	2 nd National Conference on "Condensed matter and material physics" organized by Deptt. of Physics, University of Raj., Jaipur during 01.02.2007 to 03.02.2007.
9.	International Conference on Condensed Matter Physics & 5 th Annual Convention of Rajasthan Physics Association organized by Deptt. of Physics, University of Raj., Jaipur. & Deptt. of Physics, University of Bikaner, Bikaner during 25.11.2007 to 28.11.2007.
10.	National Conference on Semiconductor Materials & Technology organized by Deptt. of Physics, Gurukul Kangri University, Haridwar during 16.10.2008 to 18.10.2008.
11.	National Seminar on " Role of Communication Techniques in Professional Fields" organized by Jaipur Engineering college, Kukas, Jaipur on 09.10.2009.
12.	National Conference on "Advances in Microwave Communication, Devices and Applications" organized by Rajasthan Institute of Engg. And Technology, Jaipur during 16.02.2010 to 17.02.2010.
13.	National Conference on "Advances on Materials and Devices for Renewable Energy Sources" organized by Jaipur Engineering college, Kukas, Jaipur during 25.02.2010 to 27.02.2010.
14.	National Conference on Micro and Nano Electronic System & Devices organized by Vivekananda Institute of Technology (East), Jaipur during 11.03.2011 to 12.03.2011.
15.	National Conference on Emerging Trends of Research in Materials Science organized by SKIT and University of Rajasthan, Jaipur on 12.11.2011 to 13.11.2011.
16.	TEQIP workshop titled "Mechanics in Physics" organized by IIT, Kanpur during June 23 to 27, 2014.
17.	TEQIP-II Sponsored one week Faculty development program on "Application of MATLAB and LaTeX in the field of Research" organized by Govt. Engineering College Jhalawar during 10 th to 14 th November 2014.
18.	TEQIP II Sponsored One Week Faculty Development Program on "Innovative Pedagogy in Professional Education" organized by Govt. Engineering College Jhalawar during 5-9 October, 2015.
19.	TEQIP II Sponsored One Week Short Term Training Program On "Multi Criteria Decision Making Approach & Simulation (MCDMA& SIM 2016)" organized by Govt. Engineering College Jhalawar

	during 22-26 February, 2016
20.	UGC-Sponsored One Week Short-term Course on "Separation Techniques and Instrumental Methods of Analysis" organized by University of Kota, Kota & UGC Sponsored during January 30, 2017 to February 4, 2017.
21.	AICTE Recognized Short Term Course on "Nanotechnology: Developments and Applications" organized by NITTTR, Chandigarh & MHRD & AICTE Recognized during May 05, 2017 to May 26, 2017.
22.	One week TEQIP-II Sponsored workshop on "Smart Grid Impact of Intermittent of Renewable Energy Source" organized by GECJ, Jhalawar during February 16, 2017 to February 20, 2017.
23.	One week TEQIP-III Sponsored Short Term Training Programme on "Advancement in Mechanical and Civil Engineering 2017" organized by GECJ, Jhalawar & TEQIP-II Sponsored during November 07, 2017 to November 11, 2017.
24.	One week Short Term Training Programme on "Laser Science and Technology" organized by NITTTR, Bhopal during December 04, 2017 to December 08, 2017.
25.	One week Short Term Training Programme on "Innovation Teaching Methods in Applied Science and Mathematics" organized by NITTTR, Bhopal during May 07, 2018 to May 11, 2018.
26.	One week TEQIP-III Sponsored Faculty Development Program on "Recent Development in Soft Computing Techniques for Engineering Applications" organized by GECJ, Jhalawar & TEQIP-III Sponsored NITK Surathkal during May 14, 2018 to May 18, 2018.
27.	Two week Refresher Course on "Introduction to MATLAB and Research Enhancement Tools" organized by HRDC, Shri Mata Vaishno Devi University, Katra (J&K) during 20-29 October, 2018.
28.	TEQIP workshop on "MEMS & NEMS: Fundamentals, Design and Fabrication" organized by IIT Hyderabad during 17-22 December, 2018.
29.	TEQIP III Sponsored Two Week Faculty development Program on "Recent optimization Techniques for Engineering Applications" organized by Govt. Engineering College Jhalawar during 7-18 January, 2019.
30.	Professional Development Training under TEQIP-III held at IIM Indore during January 28 to February 01, 2019.
31.	TEQIP III Sponsored Two Day Workshop on "Efficient Academic & research Practices" organized by Govt. Engineering College Jhalawar & NIT'K Surathkal during 12-13 February, 2019.
32.	Three Day Faculty Development Programme Sponsored by TEQIP-III-RTU (ATU) on "Preparation for NBA Accreditation" during July 3-5, 2019.
33.	One week TEQIP-III Sponsored Short Term Training Programme on "Design, Innovation and research" organized by GECJ, Jhalawar during July 16-20, 2019.
34.	TEQIP-III Sponsored Two Week "Induction Programme" organized by GECJ, Jhalawar during August 01-15, 2019.
35.	One week training on "challenges for E-Commerce" Under Staff Development conducted at centre for Electronic Governance, Jaipur during 06-10 January, 2020.
36.	Two weeks practical training with respect of chemical usage in fabric processing at BSL Ltd. Bhilwara w.e.f. 01 st June 2020 to 13 th June 2020.
37.	One week TEQIP-III Sponsored Faculty Development Programme on "Internet of things" organized by RTU Kota & RIET, Jaipur during 17.08.2020 to 21.08.2020.
38.	TEQIP-III Sponsored Five Day Faculty Development Program on "Application of Optimization Techniques in Science and Engineering" organized by RTU Kota & B K Birla Institute of Engineering & Technology, Pilani during 23.08.2020 to 27.08.2020.

39.	One day UD, TEQIP-III Webinar on “Applied Mathematical Modelling of Engineering Problems” at HEAS (Mathematics) Department, University Departments, Rajasthan Technical University, Kota, on August 25, 2020.
40.	One Day Webinar on “Applications of Orthogonal Polynomials in Engineering Problems” organized by Deptt. Of HEAS, RTU, Kota on 02.09.2020.
41.	One Day Webinar on “Effective Communication Skills” organized by Deptt. Of HEAS, RTU, Kota on 03.09.2020.
42.	One Day Webinar on “An Introduction to Hydrodynamic Stability Analysis” organized by Deptt. Of HEAS, RTU, Kota on 06.09.2020
43.	TEQIP-III Sponsored Three Day FDP on “Virtual Physics Labs” organized by JNTUA College of Engg. Ananthapuramu & UCET (BTU) Bikaner (Raj) during 07.09.2020 to 09.09.2020.
44.	One Day Webinar on “Multi-Criteria Decision Analysis using Goal Programming” organized by Deptt. Of HEAS, RTU, Kota on 10.09.2020.
45.	One week online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE during 26-30 October, 2020.
46.	Two Week Online Professional Training Program Sponsored by TEQIP-III on “Pedagogy Techniques and Emerging Trends” organized by Deptt. Of Ceramic Engg. & Tech. UCET, Bikaner (Raj.) during 01.03.2021 to 10.03.2021
47.	15 Days professional Training on “Pedagogy and Modern Technology Tools” organized by IEEE during September 6 th -20 th , 2021.
48.	Two Week Online Professional Training Program Sponsored by MeitY, GOI, organized by E&ICT Academy, NIT Warangal and the NorthCap University, Gurugram, Haryana during 1 st to 10 th December, 2021.

Research Publications

1.	G.P. Joshi , N.S. Saxena and R. Mangal, “Temperature dependence of effective thermal conductivity and effective thermal diffusivity of Ni-Zn ferrites” <i>Acta Materialia</i> 51 (2003) 2569-2576.
2.	G.P. Joshi , N.S. Saxena, T.P. Sharma, V. Dixit and S.C.K. Misra, “Measurement of thermal properties of polyaniline/metal from room temperature to 170 ^o C” <i>Journal of Applied Polymer Science</i> , 90 , 2 (2003) 430-435.
3.	G.P. Joshi , N.S. Saxena, T.P. Sharma, V. Dixit and S.C.K. Misra, “Thermal transport in chemically doped polyaniline materials” <i>Journal of Physics and Chemistry of Solids</i> , 64 (2003) 2391-2396.
4.	G.P. Joshi , N.S. Saxena, R. Mangal, A. Mishra and T.P. Sharma, “Band gap determination of Ni-Zn ferrites” <i>Bulletin of Material Science</i> , 26 , 4 (2003) 387-389.
5.	G.P. Joshi , N.S. Saxena, T.P. Sharma, V. Dixit and S.C.K. Misra, “Band gap determination of chemically doped polyaniline materials from reflectance measurements” <i>Indian Journal of Pure & Applied Physics</i> , 41 (2003) 462-465.
6.	G.P. Joshi , R. Mangal, N.S. Saxena and T.P. Sharma, “Band gaps of nanocomposites” <i>Indian J. of Pure & Applied Physics</i> , 40 (2002) 297-300.
7.	R. Mangal, N.S. Saxena, G.P. Joshi , M.S. sreekala and S.Thomas, “Measurements of effective thermal conductivity and thermal diffusivity for assessing the integrity of fiber to matrix bond in natural fiber composite” <i>Indian Journal of Pure & Applied Physics</i> , 41 (2003) 712-718.

8.	R. Mangal, N.S. Saxena, G.P. Joshi , M.S. sreekala and S.Thomas, "Crystallization kinetics of pineapple leaf fiber reinforced phenol formaldehyde composites" Indian Journal of Pure & Applied Physics, 41, 6 (2003) 470-473.
9.	G.P. Joshi , N.S. Saxena, T.P. Sharma and S.C.K. Misra, "Measurement of thermal transport and optical properties of conducting polyaniline " Indian Journal of Pure & Applied Physics, 44, 10 (2006) 786-790.
10.	G.P. Joshi , Ankit Tyagi, SL Meena, Shubhangi Chourasia, N.S. Saxena and Ajay Kumar, "Optical Band gap Determination of Ni-Al Doped Polyaniline at Room Temperature and Different Annealing Temperatures " Journal of Physics : Conference Series, 1950 (2021) 012091 doi:10.1088/1742-6596/1950/1/012091.
11.	Shubhangi Chourasia, Marut Kumar Mishra, Mohd Shahid, Shanti Lal Meena, Tushar dhankhar, G.P. Joshi , Rufat Singh Gulati, Ankit Tyagi, "Evaluation of Sliding wear, oxidation and corrosion behavior sustainable hybrid composite coating " Materials Today: Proceedings: Volume 56, Part 3 , 2022, Pages 1490-1494

Papers presented in International / National Conference

1.	"Structural and Mechanical study of Pure and Doped polyaniline" Presented in National Conference on Semiconductor Materials & Technology, Deptt. of Physics, Gurukul Kangri University, Haridwar Vinodini Shaktawat, G.P. Joshi , Manasvi Dixit, N.S.Saxena and Kananbala Sharma during 16-18 October, 2008.
2.	"Optical Band Gap Determination of Ni-Al Doped Polyaniline at Different Annealing Temperature" Presented in ICMAI-2021 Ist International Conference on Mechatronics and Artificial Intelligence, SGT University, Gurugram, Delhi-NCR during February 26 th -27 th , 2021
3.	"A critical review of logical examination on Circular Economy" Presented in ICMAI-2021 Ist International Conference on Mechatronics and Artificial Intelligence, SGT University, Gurugram, Delhi-NCR during February 26 th -27 th , 2021

Books Published

1.	Engineering Physics-I for B.Tech, Year-2010-2012, Vigyan & Takniki Prakashan, India.
2.	Engineering Physics-II for B.Tech Year-2010-2012, Vigyan & Takniki Prakashan, India.
3.	Engineering Physics (Part –I) for B.Tech. Year 2020 to till Date, Pragati Prakashan, India
4.	Engineering Physics (Part –II) for B.Tech. Year 2020 to till Date, Pragati Prakashan, India