

Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	Shailesh	Kumar	Chaurasia		Photograph
Designation		Assistant Professor (Level 12)				
Department		Mechanical Engineering				
Address	Campus	Department of Mechanical Engineering IET, MJP Rohilkhand University Bareilly-243006(Uttar Pradesh)				
	Residence	C 09 Type IV Professor's colony Opposite of Finance officer Residence M.J.P.R. University Campus Bareilly-243006(Uttar Pradesh)				
Mobile No.		9412489182, 7906562818				
Email ID		Personal		skciitr@gmail.com		
		University Domain		s.chaurasia@mjpru.ac.in		
Professional Networking ID, i.e. LinkedIn, Twitter etc.		Linkedin ID: skciitr@gmail.com				
Educational Qualifications (Graduation Onwards)						
Course/Degree		Institution		Year	Details/Thesis Topic/Subjects	
B.E.		M.J.P.R.University Bareilly		2001	Mechanical Engineering	
M.Tech.		I.I.T. Roorkee, Roorkee		2009	Met. & Mats. Engineering	
Ph.D.		I.I.T. Roorkee, Roorkee		2019	Mechanical and Tribological Properties of Powder Forged Fe-P Alloys	
Career Profile						
Organization / Institution		Designation		Duration	Nature of Duties	
M.J.P. R.University		Assistant		24-Feb-17 To Till date	Teaching and	

Bareilly	Professor (Level 12)		Research
M.J.P. R.University Bareilly	Assistant Professor (Level 11)	30-Sep-08 To 23-Feb-17	Teaching and Research
M.J.P. R.University Bareilly	Assistant Professor (Level 10)	30-Sep-02 To 29-Sep-08	Teaching and Research
M.J.P. R. University Bareilly	Guest Lecture	1-Feb-02 To 29-Sep-02	Teaching
Research Interests / Specialization			
Mechanical behavior, Surface Engineering, Theory of Machines, P/M materials processing, Wear characterization, Composite materials, Tribology.			
Research Experience in Years: 18 years			
No of Research Scholars Successfully Guided: N/A (Possible as per future plan)			
Name of Programme	Awarded	Under Supervision	
Ph.D.			
M.Phil.			
Dissertation (M.Ed./M.A.)			
Researcher/ Expert ID	Scopus	Orchid	Publons
Teaching Experience (Subjects/Courses Taught)			
Kinematics of Machines, Dynamics of machines, Tribology, Mechanics of Solid I, Mechanics of solid II, Material Science, Fluid Mechanics, Internal combustion Engine, Turbo and Fluid machinery, Heat and mass Transfer, Energy Conversion, Refrigeration and Air-conditioning, Applied Thermodynamics, Mechanical Vibrations.			
Kinematics of machines lab, Dynamics of machines lab, Turbo and Fluid machinery lab, Internal combustion Engine lab, Workshop Practice Lab.			
Honours / Awards & Fellowship FOR OUTSTANDING WORK			
Name of Award/	Awarded By		

Fellowship		Name of Governmental Agency	Name of Government Supported Organization/ Department			Name of International Recognized Body			
M.Tech. Fellowship		AICTE	Government of India.						
Ph.D. Fellowship		AICTE	Government of India.						
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)		Research Papers Published in International Journals	05	Papers Presented in Seminars/ Conferences	07	Seminars/ Conferences Organized		Research Projects (Completed)	
Books (Co-authored)		Research Papers Published in Other Journals	02	Seminar/ Conferences Attended	01	Workshops Organized		Research Projects (Ongoing)	
Books (Edited)	Chapters in Edited Books	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences		Memberships of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	
				Resource Lectures Delivered					

Details of Publications /Academic Activities (2010 Onwards)					
(a) Authored Books/ Monographs					
Name of Book	Year of Publication	Publisher	ISBN No		
(b) Edited Books					
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals					
Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2018	Effect of phosphorus addition on the dry sliding behavior of Fe-P alloys prepared by powder forging	Metallography, Microstructure and Analysis	2192-9262		1.08
2018	Dry sliding wear of Fe based powder Processed through Hot Powder forging technique	Materials Today: Proceedings	00002014	01	0.97
2017	Effect of Phosphorus on Microstructure and Mechanical Properties of Iron-Based Alloys Processed through Powder Forging	Metallography, Microstructure and Analysis	2192-9262	01	1.08
2012	Development of P/M Fe-P soft magnetic materials	Bulletin of Materials Science	0250-4707	22	1.449
2012	Comparisons of Sintering Technology with powder	Materials Science Forum	1662-9752	03	0.35

2012	forging for Fe-P based alloys Fe-P soft magnetic properties of iron for AC applications	Advanced Materials Research	1662-8985		
------	--	-----------------------------	-----------	--	--

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISB N	DOI	Citation Google/web of science
National	International							

(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution

(f) Seminars/Conferences/Workshops Organized

--

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till

(h) Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To
In-charge (Head), ME	Department of Mechanical Engineering	2012	2013
In-charge, Mid-Semester examinations	Department of Mechanical Engineering	2009	2010
In-charge, Kinematics of machines Lab.	Department of Mechanical Engineering	2002	Till date
In-charge, Dynamics of machines Lab.	Department of Mechanical Engineering	2002	Till date
In-charge, Mechanics of solid Lab.	Department of Mechanical Engineering	2002	Till date

In-charge, Industrial Training Viva	Department of Mechanical Engineering	2009 2020	2012 Till date
In-charge, Training & Placement	Department of Mechanical Engineering	2004	2006
Member, NAAC Preparation committee	Department of Mechanical Engineering	2010	2011
Member, Lab development committee at the department level.	Department of Mechanical Engineering	2009	2011
Member, Board of studies at the department level.	Department of Mechanical Engineering	2002	Till date
Assistant Co-ordinator Central Evaluation	M.J.P.R.University	2012	2012
In-charge, Academic	Department of Mechanical Engineering	2004	2006
In-charge, Time-Table	Department of Mechanical Engineering	2002	2007
In-charge, Seminar	Department of Mechanical Engineering	2002 2010 2016	2005 2012 2018
Advisor, Students	Department of Mechanical Engineering	2018	2019
Member	Training and Placement Cell,IET	2004	2006
Member	Inspection Committee; IET	2005	2005
Member	Election committee; Student Union Association,	2004	2004

Co-ordinator	MJPRUniversity. Training and Placement Department of Mechanical Engineering	2019	Till date
Centre Superintendent	End semester examinations, IET	2012	2012
Member	Counseling committee of B.Tech. admissions	2009	2009

(i) Seminar/Conference Presentations

1. Compositional Effects on Ductility of Powder Metallurgy Iron-Phosphorus Alloys,” presented at PM20 International conference organized by PMAI, India at Mumbai during 19-21 February, 2020.
2. Influence of phosphide microstructure on the tribological properties of iron based alloys through hot powder forging route,” ISMA-2017 International Symposium organized by JSS IT campus at Mysuru, India on 27 December, 2017.
3. Influence of Phosphorus Addition on Strength and Ductile Behavior of Fe based Alloy Processed through Powder Metallurgy (P/M) Route,” ISAMEA-2017 International Symposium organized by NIE at Mysuru, India during 24-25 March, 2017.
4. Microstructure and Mechanical properties of Iron-phosphorus powder metallurgy alloys,” presented at PM16 International conference organized by PMAI, India at Pune during 18-20 February, 2016.
5. Tribological properties of Fe-P powder metallurgy alloys,” presented in PM15 International conference organized by PMAI, India at Mumbai during 19-21 January, 2015.
6. Fe-P soft magnetic properties of iron for AC applications,” presented in AMPCO-2012 International conference organized by Deptt. of Met. & Materials Engg. At IIT Roorkee, Roorkee, India, during 2-4 November, 2012.
7. Development of P/M Fe-P soft magnetic materials,”3rd National Symposium for materials Research scholars, IT Bombay, Mumbai, India, 2010.

(j) Memberships of Academic/Professional Bodies

1. Life Membership of the Powder Metallurgy Association of India.
2. Life Membership of the Alumni association of IIT Roorkee.

(k) Participation in Community Service / Exchange Programme / Consulting Activity

Completed 8 weeks NPTEL course entitled “Technologies for clean and renewable energy production” in 2019.

(l) International Academic Exposure

(m) Any Other Details

(a) Details of other duties assigned/ performed:

1. Worked as Observer, B.Tech. Entrance Examination many times at the university level.
2. Worked as Observer, B.Ed. Entrance Examination many times at the university level.
3. Worked as Observer, M.Sc. Entrance Examination at the university level.
4. Coordinated Vishwakarma Pooja at institute level.
5. Conducted Board of studies meeting at the department level.
6. Updated the subject contents/ courses.
7. Conducted online lectures of Mechanical students.
8. Developed and uploaded e-content on the portal of state government.
9. Guided to many project groups of B.Tech. Mechanical Engineering.
10. Guided to many students, seminar of B.Tech. Mechanical Engineering.

(b) Details of Participation in FDP/STC/ Workshops:

1. Participated in one week online Faculty Development Programme on “Recent research development in Materials Engineering and Mechanical Design” organized by Department of Mechanical Engineering, VIT W.G.(A.P) during 21.07.2020 to 25.07.2020.
2. Participated in the STC on “Idea Conceptualization through additive/Subtractive Manufacturing Methods” at IIT Roorkee (U.K) during 08.07.2019 to 12.07.2019.
3. Participated in the STC on “System Thinking and Environmental Engineering for Sustainable Decision Making” at IIT Roorkee (U.K) during 03.06.2019 to 07.06.2019.
4. Participated in the STC on “Recent Advances on Numerical Methods for solving Engineering Problems” at IIT Roorkee (U.K) during 13.02.2017 to 24.02.2017.
5. Participated in the STC on “Heat Transfer in Chemically Reacting Systems” at IIT Roorkee (U.K) during 08.12.2014 to 12.12.2014.
6. Participated in the STC on “Materials Science Influence in Tribology of Engineering Ceramics” at IIT Roorkee (U.K) during 30.06.2014 to 04.07.2014.

7. Participated in the STC on “Modeling and Simulations Using Finite Element Methods” at IIT Roorkee (U.K) during 07.01.2014 to 11.01.2014.
8. Participated in the STC on “Modeling and Simulation of Dynamical Systems” at IIT Roorkee (U.K) during 30.12.2013 to 03.01.2014.
9. Participated in the STC on “Introduction to Modeling and Simulation” at IIT Roorkee (U.K) during 09.12.2013 to 13.12.2013.
10. Participated in the STC on “Thesis/Technical Writing” at IIT Roorkee (U.K) during 19.08.2013 to 23.08.2013.
11. Participated in the STC on “Dynamics and controls of mechanical systems” at IIT Roorkee (U.K) during 26.12.2011 to 30.12.2011.
12. Participated in the STC on “Transport Phenomena in phase-change and reacting Systems” at IIT Kanpur (U.P) during 10.01.2011 to 14.01.2011.
13. Participated in the STC on “Emerging Trends in carbon Nanotechnology” at IIT Kanpur (U.P) during 14.12.2010 to 18.12.2010.
14. Participated in the STC on “CAD in Mechanical Engineering Curriculum” at IIT Roorkee (U.K) during 21.12.2009 to 25.12.2009.
15. Participated in the STC on “Nanomaterials: Synthesis & Characterization” at IIT Roorkee (U.K) during 16.02.2009 to 20.02.2009.
16. Participated in the STC on “Composites: Design and Manufacturing” at IIT Roorkee (U.K) during 07.07.2008 to 11.07.2008.
17. Participated in the STC on “Computational Fluid Dynamics” at IIT Roorkee (U.K) during 16.06.2008 to 27.06.2008.
18. Participated in the STC on “Non Destructive testing and its applications” at IIT Roorkee (U.K) during 02.06.2008 to 06.06.2008.
19. Participated in the STC on “Nanostructured Materials: Research and development status” at IIT Roorkee (U.K) during 18.02.2008 to 22.02.2008.
20. Participated in the STC on “Electron Microscopy and their Usage for nanotechnology related Research Work” at IIT Roorkee (U.K) during 03.10.2007 to 10.10.2007.
21. Participated in the STC on “Trends in Engineering Metrology and Statistical Process control” at Punjab Engineering College, Chandigarh (Punjab) during 11.12.2006 to

22.12.2006.

22. Participated in the Workshop on “Microstructure Engineering via Heat Treatments” at IIT Kanpur (U.P) during 19.10.2015 to 21.10.2015.

23. Participated in the Workshop on “Failure Analysis and Life Assessment” at IIT Roorkee (U.K) on 14.03.2015.

24. Participated in the Workshop on “Numerical Modelling of Transport Phenomena in Fluid Flows for Engineering Applications” at IIT Roorkee (U.K) on 18.02.2017.

Signature of Faculty Member