




महात्मा ज्योतिबा फुले  
रुहेलखण्ड विश्वविद्यालय, बरेली

## Faculty Profile on University Website

<b>Title</b>	Dr.	<b>First Name</b>	ANIL	<b>Last Name</b>	KUMAR	<b>Photograph</b>
<b>Designation</b>	ASSISTANT PROFESSOR (CONTACT BASIS)					
<b>Department</b>	Applied Physics					
<b>Address</b>	<b>(Campus)</b>	<b>Department of Applied Physics, F.E.T., M.J.P ROHILKHAND UNIVERSITY, BAREILLY</b>				
	<b>(Residence)</b>	Village : Burra Faridpur, Post : Sakri Jungle, Teh.: Ujhani, Distt.: Budaun (U.P.) PIN-243639				
<b>Mobile</b>	9410843540 , 7983440832					
<b>Email</b>	Personal	<a href="mailto:anilyadav1981@gmail.com">anilyadav1981@gmail.com</a>				
	University Domain					
<b>Professional Networking ID, ie. LinkedIn, Twitter etc.</b>	NA					
<b>Educational Qualifications (Graduation Onwards)</b>						
<b>Course/Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Details/Thesis Topic/Subjects</b>			
B.Sc	M.J.P. Rohilkhand University Bareilly	1999	Physics , Chemistry, Maths			
M.Sc	Ch. Charan Singh University, Meerut (U.P.)	2001	Physics			
Ph.D	M.J.P. Rohilkhand University Bareilly	2006	Physics, The Study of Spherical Shock Wave in Azimuthal Magnetic Field			
<b>Career Profile</b>						
<b>Organization / Institution</b>		<b>Designation</b>	<b>Duration</b>	<b>Nature of Duties</b>		
BCB		Lecturer	2003-23	Teaching		
BCB		Member of Proctorial Board	2014-19	Administrative Work		
Mukhyamantri Abhyudaya Classes		Guest Lecturer	2021-23	Teaching		
MJP Rohilkhand University, Bareillys		Assistant Professor (Contact Basis)	2023- onwards	Teaching		
<b>Research Interests / Specialization-</b>						
Shock Wave						
<b>Research Experience in Years-</b>						
<b>No of Research Scholars Successfully Guided-</b>						
<b>Name of Programme</b>	<b>Awarded</b>	<b>Under Supervision</b>				
<b>Ph.D</b>	----	----				
<b>M.Phil.</b>	----	----				
<b>Dissertation(M.Ed./M.A.)</b>	----					
<b>Researcher/Expert ID</b>	<b>Scopus</b>	<b>Orchid</b>	<b>Pu bl o ns</b>	<b>Vidwan</b>	<b>Google Scholar</b>	
<b>Teaching Experience (Subjects/Courses Taught) – 22 Years</b>						
<ul style="list-style-type: none"> <li>B.Sc.( Old Education System) &amp; NEP 2020</li> <li>Newton's Mechanics, Classical, Quantum, and Statistical Mechanics Thermo-dynamics, Optics, &amp; LEASER, Basic Electronics, Solid State Electronics &amp; Digital Electronics, Atomic and Molecular Spectra, Electromagnetism, Solid State and Nuclear Physics,</li> <li>B. Tech, M.Sc. Lab &amp; Project Work</li> </ul>						

**Chapter/Paper Published in Edited Books details of Publications /Academic Activities (2005 Onwards)**

**(A) Paper published**

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/web of science
National	International							
National		50 <sup>th</sup> Congress of ISTAM , IIT, Khragpur	<b>Freely Propagation of Diverging Spherical Shock Wave in a dusty Gas</b>	ISTAM , IIT, Khragpur	14-17 Dec-2005			
National		Ultra Science Vol.-18 pp.-83-92	<b>Overtaking Disturbances and rotating Spherical Shock wave in Uniform medium</b>	Ultra Science Vol.-18 (1)	2006			
	International	International Journal of Scientific Research in Science and Technology (IJSRST), Volume 2, Issue 3 May-June 2016	<b>The Study of Propagation Weak Spherical Shock Wave Through a Rotating Gas Having Change Angular Velocity</b>	International Journal of Scientific Research in Science and Technology (IJSRST)	May- June 2016	2395-1990		<a href="https://ijsrst.com/IJSRST2074159">https://ijsrst.com/IJSRST2074159</a>
	International	International Journal of Scientific Research in Science and Technology (IJSRST), Volume 2, Issue 5, September-October 2016.	<b>The Study of Strong Spherical Shock Wave Through A Rotating Gas Having Distance Dependent Angular Velocity</b>	International Journal of Scientific Research in Science and Technology (IJSRST)	September -October 2016.	2394-4099		<a href="https://ijsrst.com/IJSRST17381292">https://ijsrst.com/IJSRST17381292</a>
	International	International Journal of Scientific Research in Science Engineering and Technology (IJSRSET), Volume 3, Issue 3, 2017.	<b>Spherical Shock Propagating in Non- Uniform atmosphere having constant angular Velocity</b>	International Journal of Scientific Research in Science Engineering and Technology (IJSRSET)	May- June 2017	2395-1990		<a href="https://ijsrset.com/IJSRSET2310268">https://ijsrset.com/IJSRSET2310268</a>
	International	International Journal of Scientific Research in Science Engineering and Technology (IJSRSET), Volume 3, Issue 8, Nov.-Dec. 2017.	<b>Freely Propagation of converging cylindrical shock wave in a Dusty</b>	International Journal of Scientific Research in Science and Technology (IJSRST)	Nov= Dec 2017	2394-4099		<a href="https://ijsrset.com/IJSRSET12293143">https://ijsrset.com/IJSRSET12293143</a>
	International	International Journal of Scientific Research in Science and Technology (IJSRST), Volume 4, Issue 5, March-April 2018. Pp.-2030-2032	<b>Weak Spherical Diverging Shock through Exponentially Increasing Density Medidum</b>	International Journal of Scientific Research in Science and Technology (IJSRST)	March- April 2018	2395-6011		<a href="https://ijsrst.com/IJSRST52310234">https://ijsrst.com/IJSRST52310234</a>

	International	International Journal of Scientific Research in Science and Technology (IJSRST), Volume 4, Issue 10, September-October 2018. Pp.-607-616	<b>Strong Spherical Shock in Azimuthal Magnetic Field Self-Gravitating Gas</b>	International Journal of Scientific Research in Science and Technology (IJSRST)	Sept-Oct.-2018	2395-6011		<a href="https://ijsrst.com/IJSRST52310234">https://ijsrst.com/IJSRST52310234</a>
	International	International journal of Advance research in Arts, Science, Engineering and Management IJAEASEM, Vol-6 Issue-6, Nov-2019	<b>To investigated effect of density in sea water by the motion of spherical shock wave</b>	International journal of Advance research in Arts, Science, Engineering and Management IJAEASEM, Vol-6 Issue-6, Nov-2019	Nov-2019	2395-7892		www.ijarasem.COM
	International	International journal of Advance Research in Electricals, Electronics, Instrumentation Engineering IJAREEIE, Volume 9, Issue 6, June 2020	<b>The Study Effect of Density in Sea Water by the Motion of Cylindrical Shock Wave</b>	International journal of Advance Research in Electricals, Electronics, Instrumentation Engineering IJAREEIE, Volume 9, Issue 6, June 2020	June 2020	e-ISSN: 2278-8875 p-ISSN: 2320-3765		www.ijareeie.com
	International	Accepted	<b>The effect of Shock Explosion in Seawater by the motion of overtaking Cylindrical Shock Wave</b>					

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

Resource person	Detail of Event	Title of Lecture	Date	Institution
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**(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

**(i) Seminar/Conference Presentations**

- Participated in a Seminar organized by Indian Society of Mathematics and Mathematical Science, Gorakhpur on Topic "Recent Trends in Mathematics and its Applications in Feb 28<sup>th</sup> to March 1<sup>st</sup> 2003
- Participated in 7<sup>th</sup> Conference of the International Academy of Physical Sciences (CONIAPS-VII, 2004) in Dec. 21<sup>th</sup> to 23<sup>rd</sup>, 2004
- Participated in National Conference organized By Bareilly College, Bareilly on Topic "Synthesis and Characterization of Smart Material" (SCSM-2009) from Sept.12<sup>th</sup> to 2009
- Participated in National Seminar on "Application of G.I.S. for Resource Mapping and Planning" Sponsored by U.G.C., New Delhi organized By Bareilly College, Bareilly from November 27<sup>th</sup> to 28<sup>th</sup> 2010.

- Participated in National Seminar on “Ion beam based research in India and acquaintance programme on ion beam facilities” at IUAC, New Delhi organized By Bareilly College, Bareilly on March 23th 2012.
- Participated in National Seminar on “ Atomic Energy in the Service of the Nation (AESN-2015) organized By Bareilly College, Bareilly in Association with Bhabha Atomic Research Centre, Mumbai on March 1<sup>st</sup>, 2015.

**(j) Memberships of Academic/Professional Bodies**

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

- Participated in the National Conference on “The Role of Functional Language in the Quality Improvement of Higher Education” on Dated 28-29- January 2012 Organised by Government P.G. College, Bisalpur, Pilibhit (U.P.) (NAAC-B Grade)
- Participated in International Conference on “Digital India Empowering The Society” on dated 27<sup>th</sup> January 2018 organised by Department of Chemistry, Bareilly College Bareilly (NAAC-A Grade) in Collaboration with FATAR Academy of India (FAI) at Bareilly College, Bareilly (U.P.)
- Participated in National Level Inter-colleges’ Meet Rover & Rangers in year 2020 from 08 to 10 Feb-2020 Organised By Bareilly College Bareilly Affiliated with M.J.P. Rohilkhand University, Bareilly at Bareilly College Campus, Bareilly.