

Bio Data

1. Name : Jetendra Parashar
2. Father's Name : Sh. R.P.Parashar
3. Date of Birth : 18th January 1969
4. Permanent Address : House No. 69, T.M.Jain Colony
Yuvraj Club Road, Vidisha (M.P.) 464001
India
E mail: j.p.parashar@gmail.com;
Mobile: 09424415354

5. Educational qualifications :

S.No.	Degree	Year	University	Div./ Marks obtained	Subjects
1	B.Sc.	1989	B.U., Bhopal	I, 69.5%	Phys., Chem., Maths
2	M.Sc.	1991	B.U., Bhopal	I, 76%	Physics
3	Ph.D.*	1994	B.U., Bhopal		Physics

* Work carried out at I.I.T., Delhi. Thesis title: Plasma Effects in Free Electron Laser

6. Experience:

Organization	Position	Period	Nature of duties
S.A.T.I., Vidisha	Professor	22.08.11 --- working	Teaching & Research
S.A.T.I., Vidisha	Associate Professor	22.08.08 -- 21.8.11	Teaching & Research
S.A.T.I., Vidisha	Reader	22.8.05 – 21.8.08	Teaching & Research
S.A.T.I., Vidisha	Sr. Lect.	22.8.00 – 21.8.05	Teaching & Research
S.A.T.I., Vidisha	Lecturer.	12.7.96 – 21.8.00	Teaching & Research
I.I.T. Delhi	Project Associate / SRA	Aug.1991 – April 1996	Research

Area of research: Nonlinear effects in laser interaction with nanostructures, plasma physics, nano-plasmonics

Subjects taught:

Engineering Physics, Basic Electronics (UG),

Electromagnetic theory, Plasma Physics, Lasers, Fiber optics, Mathematical Physics (PG)

Administrative experience (All at SATI, Vidisha):

- (a) Dean, Academic 01.7.2021 onwards
- (b) Dean R&D (2011-2016).
- (c) Coordinator IQAC cell (2019- 2021).
- (d) Head of Applied Physics Department (2006-2016).
- (e) Co-Dean Academic (2012- 2021)
- (f) Chairman BOS Applied Physics at Barkatullah University Bhopal (2007-2016).
- (g) Coordinated NAAC (2016) and UGC Autonomy (2015) team visits.

7. Ph.D. supervised: 10 awarded

8. Papers published: 75 (list enclosed)

9. Workshop / Training program / Summer / Winter School / Conferences attended: 28

10. Workshop / Training program / Summer / Winter School organized: 08

11. Research projects as Principal Investigator: 11

12. Details of Honors and awards obtained: UGC Research Award in Physics (2012 - 2014).

13. Details of Invited talks / expert lecture delivered: 06

14. Membership of society / position held in society: 08

15. Editor / member of editorial board / review of journals: 07

16. Foreign visits: 05

S.No.	Country Visited	Period of stay		Purpose of Visit
		From	To	
1.	Taiwan (National Central University)	1, May 2004	30, June 2004	Research
2.	Australia (University of Sydney)	3, April 2001	10, April 2001	Research
3.	South Africa (University of Durban)	1, June 1998	30 August 1998	Research
4.	South Africa (University of Durban)	1, June 1997	30 August 1997	Research
5.	USA (Boston & Univ. of Maryland)	27, June 2015	15, July 2015	Research

Sponsored Research Projects Undertaken

S.No.	Sponsoring Agency	Title of the project	Period	Amount of grant	Role
1	DST, N.Delhi	Interaction of short pulse laser with radially inhomogenous plasmas	1996-98	Rs.3,11,385	PI
2	AICTE, N.Delhi	Studies of group II-VI compound semiconductors	2000-03	Rs.4,00,000	PI
3	UGC, N.Delhi	Surface plasmons and their role in microelectronics	2001-04	Rs.3,13,560	PI
4	DST, N.Delhi	Parametric Instabilities in short pulse laser plasma interaction	2002-05	Rs.2,61,000	PI
5	DST, N.Delhi	Clusters in intense laser fields	2006-09	Rs.2,76,000	PI
6	UGC, N.Delhi	Nonlinear effects in laser plasma interaction	2007-10	Rs.2,26,000	PI
7	AICTE, N.Delhi	Development of Photonics Laboratory	2008-10	Rs.13,00,000	PI
8	MPCST, Bhopal	Optical rectification and harmonic generation of surface plasma waves	2010-13	Rs.3,62,000	PI
9	UGC, N.Delhi	Research Award in Physics	2012-14	Rs.29,68,447	PI
10	DST, N.Delhi	Surface Plasma Wave induced radiation generation and nonlinear effects	2013-16	Rs.13,07,400	PI
11	NPIU, MHRD N.Delhi	Theoretical investigations of dispersion characteristics of a helically cladded optical fiber for IT	2019-20	Rs. 14,32,000	Co-PI
12	MPCST Bhopal	Some nonlinear effects in laser matter interaction	2019-23	Rs.4,35,000	PI

Ph.D. Thesis Supervision / Guidance

(Batkatullah University, Bhopal)

S.No	Name of student	Title of thesis	Year	Supervisor	Co-supervisor
1.	Ashim P. Jain	Theoretical investigation of surface plasma waves and some case studies	2005	J.Parashar	
2.	Meetoo Singh	Harmonic generation in interaction of lasers with plasmas and semiconductors	2006	N.K.Gaur	J.Parashar
3.	Jitendra Sharma	Nonlinear wave mixing and parametric instabilities in plasma	2006	J.Parashar	S.K.Jain A.S.Mehta

4.	Rajendra Pathak	Analysis of electromagnetic wave equation in different medium	2013	R.K.Jain	J.Parashar
5.	Santosh Jain	Some linear and nonlinear effects in interaction of electrostatic and electromagnetic waves with Nanoparticles and Nanotubes	2013	R.Kurchania	J.Parashar
6.	K.S.Balakrishnan	Mechanical property evaluation of Zirconium Alloy pressure tubes through alternative methodologies	2014	J.Parashar	G.P.Tiwari
7.	Hirdesh Sharma	Some nonlinear effects in laser matter interaction	2014	J.Parashar	
8.	Ghizal Ansari	Studies of optical up-conversion properties of Erbium ion doped glasses	2014	S.K.Mahajan	J.Parashar
9.	Ekta Mishra	Propagation and applications of Surface Plasma Waves	2015	S.K.Mahajan	J.Parashar N.K.Gaur
10.	Santosh Cahuhan	Studies on propagation & some device applications of surface plasma waves	2016	J.Parashar	

Membership of society / position held in society

S.No.	Name of Professional Bodies	Grade of Membership	Membership no
1.	Optical Society of India	Life Member	536
2.	Plasma Science Society of India	Life Member	425
3.	Indian Association of Physics Teachers	Life Member	LM6815:L3726
4.	Indian Society for Technical Education.	Life Member	44285
5.	Indian Physical Society	Life Member	LM 0943
6.	Indian Science Congress Association	Life Member	L17283
7.	The American Nano Society	Life Member	L115134
8.	Indian Laser Association	Life Member	L976

Details of Editor / member of editorial board / review of journals

Reviewer of following Journals:

1. Physics of Plasmas (American Institute of Physics)
2. Journal of Physics and Chemistry of Solids (Elsevier)

3. Turkish Journal of Physics
4. Indian Journal Pure & Applied Physics
5. Indian Journal of Physics, Springer
6. Chinese Optics Letters, IOP, UK
7. International Nanoletters, Springer
8. Plasma Physics Express, Institute of Physics, UK
9. Zeitschrift für Naturforschung, De Gruyter, Germany
10. Plasma Physics and Controlled Fusion, IOP, UK
11. Optical and Quantum Electronics, Springer

Short term courses/workshops/seminars etc. organized

1	Coordinator of two week AICTE sponsored Staff Development Program on “Lasers and their Applications” December 07 – 18, 2009.
2	Coordinator of one week workshop on “ Fundamentals and Application of Plasmas” February 19-24, 2007, SATI, Vidisha funded by DST New Delhi, DAE Mumbai, IPR Ahmedabad, and MAPCOST Bhopal.
3	Co-coordinator of ISTE approved one week self financing short term training program on “Numerical Methods and their Applications in Science & Engineering”, June 19-24, 2006, SATI, Vidisha.
4	Co-organizer of National conference on “Emerging trends in engineering & sciences” 01-03 October 2010 , Supported by AICTE, N.Delhi
5	Co- organizer of National conference on “Emerging Trends in Basic Sciences” December 23-24, 2011, supported by MPCOST, Bhopal.
6.	Convenor of National Conference on “Trends and Challenges in Applied Science & Engineering” 23 rd – 24 th January 2014, funded by MHRD under TEQIP-II.
7.	Organizing secretary, DST sponsored International conference on, “High power coherent radiation generation and its interaction with matter” Feb. 12-14, 2016.
8.	Coordinator AICTE sponsored ATAL FDP on Photonics: Fundamentals & Applications, June 28- July 2, 2021.

Details of Invited talks / expert lecture delivered

1. Invited talk on “Plasma Physics: An overview” at Academic Staff College RGPV, Bhopal on 01.04.2011.
2. Expert talk on “Fundamentals and applications of Plasmas” IEHE, Bhopal on 22nd March 2013.

3. Invited talk on “Applications of plasmas” on 8th March 2014 in National conference on Applications of Mathematical & Physical Sciences in Engineering at JNCT, Bhopal.
4. Expert lecture on “Surface Plasmons in Laser Produced Plasmas” in the SERB School, “High power laser plasma interaction: Theory and simulations” at IIT Delhi on May 8, 2014.
5. Invited talk on “Recent trends in nonlinear effects in plasmas” at National Conference on Computational, Experimental and Theoretical Physics, LNCT, Bhopal on 27.02.2016.
6. Invited talk on “Surface Plasma Waves” at National Conference on Energy for Sustainable Development, March 23-24, 2017, H.S. Gour University, Sagar (M.P.)

List of Research Papers

S. No.	Main Author	Co-Author(s)	Title	Journal	Year, Vol, Page	Category	Impact Factor
1.	Ghizal F Ansari	J Parashar and S K Mahajan	Photoluminescence and upconversion emission of Er ³⁺ /Yb ³⁺ codoped tungsten tellurite oxyfluoride glasses	Journal of Physics: Conference Series (IoP)	2021, 1913 , 012034	SCI	0.7
2.	A.K.Mishra	S.Medhekar, J.Parashar and Mukesh Kumar	Investigation of plasma cladded optical fiber for dynamic manipulations of propagation properties	Optik, (Springer)	2021, 232 , 166537	SCI	2.817
3.	A.K.Mishra	S.Medhekar, J.Parashar and Mukesh Kumar	Controlling group velocity of light in plasma cladded optical fiber: an analytical approach	Results in Optics (Elsevier)	2021, 4 , 100087	SCI	
4.	Priyanka Jatav	J.Parashar*	Second harmonic generation by crossed surface plasma waves over a metallic surface	Phys. Plasmas (AIP)	2019, 26 , 022301	SCI	2.023
5.	S.Chauhan	J.Parashar*, and R.Kurchania	Generation of terahertz radiation via nonlinear mixing of laser beams in an inhomogeneous plasma	Optik (Springer)	2015, 126 , 5430	SCI	2.187
6.	S.Chauhan	J.Parashar*	Surface plasma wave assisted second harmonic generation of laser over a metal film	Phys. Plasmas (AIP)	2015, 22 , 013111	SCI	2.023

7.	Santosh Chauhan	J.Parashar*	Laser beat wave excitation of terahertz radiation in a plasma slab	Phys. Plasmas (AIP)	2014, 21 , 103113	SCI	2.023
8.	S.Chauhan	J.Parashar* and P.K.Purohit	Excitation of slow electromagnetic mode by an electron beam in a nanoparticle filled waveguide	Optik (Springer)	2015, 126 , 320	SCI	2.187
9.	M. K. Samal	K. S. Balakrishnan, J. Parashar, G. P. Tiwari	Investigation of Deformation Behavior of Ring-Tensile Specimens Machined from Pressure Tubes of Indian PHWR	Trans. Indian Inst. Met. (Springer)	2014, 67 ,167–176.	SCI	1.43
10.	K. S. Balakrishnan	M. K. Samal, J. Parashar, G. P. Tiwari, S. Anantharaman,	Suitability of Miniature Tensile Specimens for Estimating the Mechanical Property Data of Pressure Tubes: An Assessment,	Trans. Indian Inst. Met. (Springer)	2014, 67 (1):47–55	SCI	1.43
11.	H. Sharma	J. Parashar*	Self generated magnetic field in laser interaction with atomic clusters	Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (Springer)	2013, 83 171-174	SCI	0.754
12.	J.Parashar	S.Chauhan, P.K.Purohit, V.K.Agrawal	Terahertz surface plasmon excitation over a bismuth thin film by an electron beam	J. Physics Chem. of Solids (Elsevier)	2013, 74 , 1751-1755	SCI	2.048
13.	J.Parashar		Stimulated Raman scattering of laser in a plasma in the presence of a co-propagating electron beam	Physics of Plasmas (AIP)	2013, 20 , 122101	SCI	1.913
14.	K.S. Balakrishnan	M.K. Samal, J. Parashar, G.P. Tiwari, and S. Anantharaman	Estimation of tensile behaviour of Zirconium alloy pressure tubes using ring tensile test and finite element analysis	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science (Sage Pub.)	2013, 227 , 1177-1186	SCI	1.762
15.	J.Parashar		Magnetic field generation by surface plasma wave over a rippled metallic surface	Phys. Plasmas (AIP)	2013, 20 , 044503	SCI	2.02
16.	Hirdesh Sharma	HarshaJalorjee and J. Parashar*	Magnetic wiggler assisted third harmonic generation of a	Turkish J Physics (TUBITAK)	2013, 37 , 368	SCI	0.69

			Gaussian laser pulse in plasma				
17.	P.K.Purohit	V.K. Agrawal, H.Sharma and J.Parashar*	Second harmonic generation from a metallic thin film by an obliquely incident laser	PhysicaScripta (IoP)	2013, 87 , 045403	SCI	1.985
18.	S. Jain	J.Parashar* and R.Kurchania	Effect of magnetic field on terahertz generation via laser interaction with a carbon nanotube array	International Nano Letters (Springer Open)	2013, 3 , 1	SCI	
19.	J.Parashar	E.Mishra, S.K.Mahajan	Generation of terahertz radiation by nonlinear mixing of two laser beams in overdense plasma	Indian Journal of Physics (Springer),	2013, 87 , 699-703	SCI	1.407
20.	J.Parashar	H.Sharma	Optical rectification in a carbon nanotube array and terahertz radiation generation	Physica E (Elsevier)	2012, 44 , 2069	SCI	3.38
21.	S. Jain	J.Parashar*	Electrostatic and Electromagnetic Oscillations of Nanoparticles in the presence of Magnetic Field	J. Optics(Springer)	2011, 40 , 71	SCI	0.91
22.	G. F. Ansari	S.K. Mahajan and J. Parashar	Intense Upconversion Luminescence of Yb ³⁺ -Er ³⁺ in Li ₂ O Content Tungsten-tellurite Glasses	J. Fluoresc. (Springer)	2011, 21 , 1337	SCI	2.217
23.	E. Mishra	J.Parashar* and N.K.Gaur	Laser excitation of surface plasma waves over a diffuse plasma boundary	PhysicaScripta (IoP)	2010, 82 , 065505	SCI	1.985
24.	R.Pathak	R.K.Jain and J.Parashar*	Harmonic emission due to nonlinear coupling of a Gaussian Laser and a Plasma Wave	PhysicaScripta (IoP)	2010, 80 , 045505	SCI	1.985
25.	J.Parashar		Response to "Comment on Stimulated Raman scattering of laser from periodically spaced nanoparticles"	Phys. Plasmas (AIP)	2009, 17 , 084704	SCI	2.023
26.	J.Parashar		Stimulated Raman scattering of laser from periodically spaced nanoparticles	Phys. Plasmas (AIP)	2009, 16 , 093106	SCI	2.023
27.	J.Parashar		Effect of Self-	PhysicaScripta	2009,	SCI	1.985

			focusing on Laser Third Harmonic Generation in a Clustered Gas		79, 015501		
28.	C.S.Liu	J.Parashar*	Laser self-focusing and nonlinear absorption in expanding clusters	IEEE Trans Plasma Sci.	2007, 35, 1089	SCI	1.37
29.	C.S.Liu	J.Parashar	Modulational instability of a self guided laser in a magnetized plasma channel	IEEE Trans Plasma Sci.	2006, 34, 2561	SCI	1.37
30.	J.Parashar		Third Harmonic Generation by an Obliquely Incident Laser on a Vacuum – Plasma Interface.	Indian J. Physics	2006, 80, 647	SCI	1.40
31.	J.Parashar		Stimulated Brillouin scattering and filamentation of two crossed laser beams in a thermal force dominated plasma	Indian J. Physics (Springer)	2006, 80, 393	SCI	1.40
32.	A. P. Jain	J. Parashar*	Excitation of surface plasma waves over corrugated slow wave structure	Pramana (Springer)	2005, 65, 311	SCI	1.688
33.	Meetoo Singh	J.Parashar*, and N.K.Gaur	Plasma wave excitation and charged particle acceleration in an overdense plasma	Laser Phys. Lett. (IoP)	2005, 2, 392	SCI	2.24
34.	C.S.Liu	J.Parashar*	Laser harmonic generation from a thin metallic foil	IEEE Trans. Plasma Sci.	2005, 33, 1036	SCI	1.39
35.	J.Parashar		Stimulated Raman scattering of a laser in a magnetic plasma channel	PhysicaScripta	2003, 67, 118	SCI	1.985
36.	A.P.Jain	J.Parashar*	Surface plasma waves over bismuth-vacuum interface	Pramana (Springer)	2003, 61, 625	SCI	1.688
37.	A.P.Jain	J.Parashar*	Coupling between surface plasma wave and slow waves supported by an anisotropic conductor	IEEE Trans. Plasma Sci.	2003, 31, 1325	SCI	1.39
38.	J.Parashar		Tunnel ionization due to the plasma wave produced by beating two lasers in a plasma embedded by high Z	Phys. Lett. A (Elsevier)	2002, 297, 423	SCI	2.08

			impurities				
39.	J.Parashar	R.Bharuthram	Second harmonic generation of a laser on a rippled metallic surface	Physica Scripta (IoP)	1999, 60 , 562	SCI	1.985
40.	R.Bharuthram	J.Parashar*	Cross focusing of two laser beams in a plasma	Phys. Rev. E (APS)	1999, 60 , 3253	SCI	2.59
41.	J.Parashar	R.Bharuthram	Millimeter wave second harmonic generation in an underdense magnetoplasma with a density ripple	J. Plasma Physics (Cambridge Univ. Press)	1999, 62 , 485	SCI	3.2
42.	R.Bharuthram	J.Parashar* and V.K.Tripathi	Transient and time periodic self focusing of laser beam in a plasma	Phys. of Plasmas (AIP)	1999, 6 , 1611	SCI	1.913
43.	J.Parashar		X-ray laser gain in a plasma channel	J. Plasma Physics (Cambridge Univ. Press)	1999, 62 , 477	SCI	3.2
44.	G.Sambandan	V.K.Tripathi, J.Parashar and R.Bharuthram	Nonlinear interaction of high power electromagnetic beam in a dusty plasma : Two dimensional effects	Phys. of Plasmas (AIP)	1999, 6 , 762	SCI	1.913
45.	J.Parashar	A.K.Sharma	Relativistic two plasmon excitation by a laser near critical layer in a plasma	Europhysics Letters (IoP)	1998, 43 , 677	SCI	1.957
46.	J.Parashar	A.K.Sharma	Second harmonic generation by an obliquely incident laser on a vacuum plasma interface	Europhysics Letters (IoP)	1998, 41 , 389	SCI	1.957
47.	J.Parashar	H.D.Pandey and V.K.Tripathi	Laser excitation of surface waves over a dense plasma	J. Plasma Physics (Cambridge Univ. Press)	1998, 59 , 97	SCI	3.2
48.	S.Shibu	J.Parashar and H.D.Pandey	Possibility of pulse compression of a short pulse laser in a plasma	J. Plasma Physics (Cambridge Univ. Press)	1998, 59 , 91	SCI	3.2
49.	J.Parashar	H.D.Pandey, A.K.Sharma and V.K.Tripathi	Electromagnetic wave pumped free electron laser in a plasma channel	J. Plasma Physics (Cambridge Univ. Press)	1997, 58 , 613	SCI	3.2
50.	J.Parashar	H.D.Pandey and V.K.Tripathi	Two dimensional effects in a tunnel ionized plasma	Phys. of Plasmas (AIP)	1997, 4 , 3040	SCI	2.02
51.	J.Parashar	H.D.Pandey and V.K.Tripathi	Laser - Bernstein mode coupling in a laser produced plasma	Phys. Rev. E (APS)	1996, 53 , 2735	SCI	2.5

52.	J.Parashar	Lalita	TM mode radiation guiding in an REB induced plasma duct	J.Plasma Physics(Cambridge Univ. Press)	1996, 55, 387	SCI	3.2
53.	J.Parashar	H.D.Pandey and R.K.Singh	Mode conversion of laser radiation in the presence of a magnetic wiggler	J.Plasma Physics(Cambridge Univ. Press)	1995, 53, 285	SCI	3.2
54.	J.Parashar	H.D.Pandey, K.Ramachandran and R.K.Singh	Millimetre wave second harmonic generation in an underdense magnetoplasma in the presence of a magnetic wiggler	J.Plasma Physics(Cambridge Univ. Press)	1993, 50, 339	SCI	3.2
55.	J.Parashar	H.D.Pandey	Resonant second harmonic generation of laser radiation in a semiconductor	Phys. Rev. A(APS)	1993, 47, 2281	SCI	3.14
56.	J.Parashar	H.D.Pandey	Second harmonic generation in a plasma with a density ripple	IEEE Trans. Plasma. Sci.	1992, 20, 996	SCI	1.3

57.	J.Parashar		Resonant second harmonic generation in a plasma filled parallel plane waveguide	Indian Journal of Pure & Applied Physics (NISCAIR)	2009, 47, 103	SCI	0.923
58.	H.Sharma	J.Parashar*, and N.K.Gaur	Self-distortion of a short laser pulse in a plasma	Current Science (Ind. Acad. of Science)	2008, 95, 760	SCI	1.102
59.	J.K.Sharma	A.S.Mehta and J.Parashar*	Nonlinear Mixing of Electromagnetic Waves in a Plasma Filled Parallel Plate Guide	Institution of Engineers(I) Journal (Springer)- ET	2006, 87, 44	SCI	0.96
60.	A. P. Jain	J.Parashar*	Space periodic thermionic emission and ablation of metallic targets by crossed surface plasma waves	Current Science (Ind. Acad. of Science)	2004, 86, 1608	SCI	1.102
61.	Meetoo Singh	J. K. Sharma & J. Parashar*	Resonant sum frequency generation in a semiconductor with a magnetic wiggler	Current Science (Ind. Acad. of Science)	2004, 86, 958	SCI	1.102
62.	A.K.Sharma	J.Parashar*	Langmuir wave excitation and charged particle acceleration by a millimeter wave	Current Science (Ind. Acad. of Science)	2004, 84, 425	SCI	1.102

63.	J.K.Sharma	J.Parashar*	Parametric instability of a lower hybrid wave in a dusty plasma	Indian Journal of Pure & Applied Physics (NISCAIR)	2003, 41 , 290	SCI	0.923
64.	J.K.Sharma	J.Parashar* and A.S.Mehta	Relativistic stimulated Raman scattering in a plasma channel	Indian Journal of Pure & Applied Physics (NISCAIR)	2003, 41 , 73	SCI	0.923
65.	M.Singh	A.P.Jain and J.Parashar*	Phase matched second harmonic generation of an intense laser in plasma with a density ripple	J. Ind. Instt. Science (IISc)	2002, 82 , 183	SCI	1.3

***Corresponding author/ supervisor**

List of International Conference Papers

S. No.	Author(s)	Year	Title	Name and place of conference	Presented/published/both
	G.F.Ansari, J.Parashar and S.K.Mahajan	2021	Photoluminescence and upconversion emission of Er ³⁺ / Yb ³⁺ codoped tungsten tellurite oxyfluoride glasses	ICRFS-21: International conference on research frontiers in sciences-2021, Nagpur, India February 5-6, 2021	Accepted
1	Jetendra Parashar and Swati Saxena	2020	Laser Excitation of Surface Plasma Wave over a Thin Metal Foil in the presence of a Magnetic Field	OSA Frontiers in Optics + Laser Science APS/DLS (USA) conference, 14-17 September 2020	Published
2	Swati Saxena and Jetendra Parashar	2019	Effect of glass nonlinearity on surface plasma wave propagation over glass – metal interface	International Conference on Recent Trends in Mathematical, Physical & Computational Sciences December 12-14, 2019 Doctor Harisingh Gour Vishwavidyalaya, Sagar, India	Presented by Co-author
3	J.Parashar	2015	Phase matched second harmonic generation from a metal coated rippled core optical fiber	Novel Optical Materials and Applications in Proceedings <i>Advanced Photonics 2015</i> , Part of Advanced Photonics 2015, 27 June–1 July 2015, Boston, USA	Both

4	Santosh Chauhan, and J. Parashar	2015	Terahertz radiation generation by nonlinear mixing of two laser beams over a thin foil	International Conference on Emerging Interfaces of Plasma Science and Technology, March 9 -10, 2015, Physics Department, Vikram University, Ujjain (M.P.), India	Both
5	Jetendra Parashar and Santosh Chauhan	2015	Electromagnetic modes in a parallel plane waveguide filled with nanoparticles	International Conference on Optics and Photonics, February 20-22, 2015, Department of Applied Optics and Photonics, University of Calcutta, India	Presented by Co-author and Published
6	S.Kokate, A.K.Saxena, S.Katare, A.S.Metha S.K.Mahajan J.Parashar	2002	Effect of pH value on the structural and compositional properties of chemical bath deposited CdS films	International Conference on recent Advances in solar energy Conversion Systems, MANIT, Bhopal September 28-29, 2002	Presented by co-author
7	J.Parashar	1998	X-ray laser gain in a plasma channel	Photonics-98 : International Conference on Fiber Optics and Photonics, IIT Delhi, December 14-18, 1998	Both

National Conference papers

S. No.	Author(s)	Year	Title	Name and place of conference	Presented/published/both
1	S.K.Mahajan and J.Parashar	2018	Enhanced NIR emission of Yb ³⁺ /TM ³⁺ doped germanate telluride glasses containing Ag nanoparticles under 808 nm excitation	National Laser Symposium (NLS-27), RRCAT Indore Dec, 03-06, 2018	Published & Presented by Co-author
2	J.Parashar	2017	Second Harmonic Generation by Nonlinear Mixing of two Surface Plasma Waves	National Laser Symposium (NLS-26), BARC, Mumbai, 20-23 Dec, 2017	Published
3	S.K.Mahajan and J.Parashar	2017	Selective Red Upconversion emission of Er ³⁺ ions in tellurite glasses containing silver nanoparticle under 980 nm excitation	National Laser Symposium (NLS-26), BARC, Mumbai, 20-23 Dec, 2017	Published & Presented by Co-author
4	J.Parashar	2014	Pulsed second harmonic	National Laser	Both

			generation in plasma with a magnetic wiggler	Symposium (NLS-23), S.V. University, Tirupati Dec.03-06, 2014	
5	Rajendra Pathak, R.K Jain, and Jetendra Parashar	2011	Propagation of Surface Plasma Wave in a Layered Waveguide	National Conference on "Emerging Trends in Basic Sciences", S.A.T.I., Vidisha (M.P.) Dec. 23-24, 2011	Both
6	Rajendra Pathak, R.K Jain, and Jetendra Parashar	2011	Propagation of Surface Plasma Wave in a Layered Waveguide	National Conference on "Emerging Trends in Basic Sciences", S.A.T.I., Vidisha (M.P.) Dec. 23-24, 2011	Both
7	Meetoo Singh, N.K.Gaur, B.S.Bhadoria and J.Parashar	2004	Plasma Wave Excitation and its consequence on Laser Reflectivity in an overdense Plasma	Plasma 2004: National symposium on science and technology of plasmas, Bundelkhand University, Jhansi (U.P.), Dec.07-10, 2004	Presented
8	J.K.Sharma, A.S.Mehta and J.Parashar	2004	Stimulated Brillouin scattering and filamentation of two crossed laser beams	Plasma 2004: National symposium on science and technology of plasmas, Bundelkhand University, Jhansi (U.P.), Dec.07-10, 2004	Presented
9	J.Parashar	2002	Tunnel ionization due to the plasma wave produced by beating lasers in a plasma embedded by high Z impurities	National conference on contemporary physics and energy, IIT Delhi, February 8-9, 2002	Both
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