

### Research Paper Published in Journals (2009-14)

Department	Year	No.	Sl. No.	Title	Author(s)	Journal	Vol. & Page Nos.	ISSN	Impact Factor, if any
<b>FACULTY OF SCIENCE</b>									
CHEMISTRY	2009-10	07	01	Periodate oxidation of 3-chloro, 2-methylaniline – A kinetic-mechanistic study	R.D. Kaushik, Anuj Kumar, Manmeet Kaur and Prabha Singh	J. Indian Council of Chemists	26(2) (2009), 175-180	ISSN: 0971-5037	--
			02	Study of Micellar Behaviour of Crown Ether and Tetraethylammonium Bromide in Aqueous Media; 2010,	Randhir Singh, Rajni Garg	E Journal of Chemistry	7 (2), 578-582.	-	-
			03	Physicochemical Study of Surfactant Crown Ether Inclusion Complexes.	Rajni Garg, R D Singh, S K Mehta;	Asian J. research Chem.	3(1) Jan – Mar 2010	-	-
			04	Using alkali metals to control reactivity and porosity during physical activation of demineralised kraft lignin	Suhas, P.J.M. Carrott and M.M.L. Ribeiro Carrott	Carbon	47, 1012-1017	0008-6223	4.504
			05	Application of low cost adsorbents for dye removal- A review”,	V. K. Gupta, and Suhas	Journal of Environmental Management	90, 2313-2342	0301-4797	2.367
			06	Phenol removal onto novel activated carbons made from lignocellulosic precursors: Influence of surface properties	J.M. Valente Nabais, J.A. Gomes, Suhas, P.J.M. Carrott, M.M.L. Ribeiro Carrott, C. Laginhas, S. Roman	Journal of Hazardous Materials,	167, 904-910	0304-3894	3.723
			07	Low cost adsorbents: Growing approach to wastewater treatment – A review”	V. K. Gupta, P.J.M. Carrott, M.M.L. Ribeiro Carrott and	Critical Reviews in Environmental	39, 783-842	1064-3389	4.00

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					Suhas	Science & Technology			
	2010-11	15	1	Kinetics and mechanism of periodate oxidation of p-anisidine in acetone-water medium	R.D. Kaushik, Manila, Dharmendra Kumar and Prabha Singh	Oxid. Commun. (Bulgaria)	33 (3) (2010), 519-528	ISSN: 0209-4541	0.286
2			Spectrophotometric study of Kinetics and mechanism of oxidation of o-ethoxyaniline by periodate ion	R.D. Kaushik, Dharmendra Kumar, Ajay Kumar and Rajdeep Malik	Asian J. Chem.	22(3) (2010), 2155-2164	ISSN: 0970-7077(print); 0975-427X (online)	0.292	
3			Kinetics and mechanism of oxidation of m-anisidine by periodate ion,	R.D. Kaushik, Rajdeep Malik, Manila and Ajay Kumar	Asian J. Chem.	22(3) (2010), 2090-2098	ISSN: 0970-7077(print); 0975-427X (online)	0.292	
4			Kinetic-spectro photometric studies on periodate oxidation of 2-amino-p-xylene in acetone-water medium	R.D. Kaushik, Purnima Sundriyal, Tarun Kumar and Prabha Singh	Asian J. Chem.	22(3) (2010), 2136-2146	ISSN: 0970-7077(print); 0975-427X (online)	0.292	
5			Kinetics and Mechanism of periodate oxidation of o-anisidine in acetone-water medium	R.D. Kaushik, Rajdeep Malik and Ajay Kumar	J. Indian Chem. Soc.	87 (2010), 317-323.	ISSN: 0019-4522	0.34	
6			Manganese(II) catalysed oxidation of 2,4-xylidine by periodate – A kinetic-mechanistic study	R.D. Kaushik, Dharmendra Kumar, Anuj Kumar and Ajay Kumar	J. Indian Chem. Soc.	87(2010), 811-816	ISSN: 0019-4522	0.34	
7			Kinetics and Mechanism of periodate oxidation of N,N-diethyl-m-toluidine in acetone-water medium	R.D. Kaushik, Manmeet Kaur, Rajdeep Malik and Jaspal Singh	Asian J. Chem.	22(10) (2010), 7833-7840	ISSN: 0019-4522	0.34	
8			Periodate oxidation of N,N-dimethyl aniline and N,N-diethylaniline',	R.D. Kaushik, Reeta Kumari, Tarun Kumar and Prabha Singh,	Asian J. Chem.	22 (2010), 7959-7968	ISSN: 0019-4522	0.34	

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			9	Kinetic Studies on Manganese(II) catalysed oxidation of N-ethylaniline by periodate ion	R.D. Kaushik, Manmeet Kaur, Rajdeep Malik and Prabha Singh,	J. Chem. Asia,	1(2-3)(2010) 79-91.	ISSN: 0975-9468	----
			10	Studies on Manganese(II) catalysed oxidation of N-methylaniline by periodate ion	R.D. Kaushik, Manmeet Kaur, Rajdeep Malik and Anuj Kumar	Int. J. Chem. Sci.	8(3)(2010), 1379-1388	ISSN: 0972-768X	----
			11	Manganese (II) catalysed periodate oxidation of p-toluidine- A kinetic-mechanistic study	Rajneesh D. Kaushik, Ajay Kumar, Tarun Kumar and Prabha Singh,	React. Kinet. Mech. Cat.	DOI 10.1007/s11144-010-0214-y, 1-11, Paginated issue: 101(1) (2010), 13-23.	ISSN: 1878-5190(print); 1878-5204 (online)	0.61
			12	Studies of Transition Metal Complexes and Their Antibacterial Activities	Ritu Sharma, Prabhat, Randhir Singh, Swati Pawar and Avnish Chauhan;	Journal of American Science	6(9), 559	-	-
			13	Studies of chemical constituents and applications of spilanthus acmella	Abha Shukla and Rishi kumar shukla	Journal of Chemistry in Asia(JOCIA )	1 (4), 227-233	ISSN0975-9468	--
			14	Chemical antimicrobial and antioxidant studies of Myrstica fragrance	Rishi kumar shukla and Abha shukla	Journal of Chemistry in Asia(JOCIA )	2(1), 1-7	ISSN0975-9468	-
			15	Comparison of the DubininRadushkevich and Quenched Solid Density Functional Theory Approaches for the Characterisation of Narrow Microporosity in Activated Carbons Obtained by Chemical Activation with KOH or NaOH of Kraft and Hydrolytic Lignins",	P.J.M. Carrott, M.M.L. Ribeiro Carrott and Suhas	Carbon	48, 4162-4169	0008-6223	4.504
	2011	02	1	Kinetics and mechanism of	Prabha Singh, Tarun	J. Indian Council	28(1) (2011), 30-	ISSN: 0971-5037	--

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	-12			Manganese(II) catalysed periodate oxidation of o-toluidine in acetone-water medium	Kumar, Rajdeep Malik and R.D. Kaushik	of Chemists	36		
			02	“Environmental Pollutants: New Emerging Challenges”	Suhas	Invited editorial in Research Journal of Chemistry and Environment,	15	0972-0626	0.292
	2012-13	07	1	Manganese(II) catalysed periodate oxidation of 2-amino-m-xylene– A Kinetic-Mechanistic Study	R.D. Kaushik, Rajdeep Malik, Tarun Kumar and Prabha Singh	Oxid. Commun.	35 (2) (2012), 316-326	ISSN: 0209-4541	0.286
			2	Water Quality Assessment and Physicochemical Parameters of groundwater in District Hapur, Uttar Pradesh.	Udit Mohan, Randhir Singh, Prem Singh	Environment Conservation Journal	14 (3) 143-149	0972-3099	-
			3	Phytochemical investigation and antimicrobial screening of extracts of Litchi chinensis leaves from Dehradun region, India	Rishi kumar shukla, Deepak painuly, Abha shukla, Anirudh porwal	Environment Conservation Journal	13(1&2) 7-10	ISSN 0972-3099 (Print) 2278-5124 (Online)	-
			4	Preliminary investigation and antimicrobial screening of successive extracts of phytoconstituents from Cassia fistula of Haridwar region, India	Rishi kumar shukla, Anirudh Porwal, Abha shukla, Deepak Painuly	Environment Conservation Journal	13(1&2) 57-62, 2012	ISSN 0972-3099	-
			5	Proximate Analysis, Nutritive Value, Total Phenolic Content and Antioxidant Activity of Litchi chinensis	Rishi kumar shukla, Deepak painuly, Anirudh porwal, Abha shukla,	Natural Products An indian Journal (NPAIJ)	Vol:8(9) 2012, 361-369	ISSN-0974-7508	-----
			6	Physico-Chemical Characteristics, Proximate analysis and Total Phenolic content of cassia fistula bark	Rishi kumar shukla, Anirudh Porwal, Abha shukla, Deepak Paimuly	Natural Products An indian Journal (NPAIJ)	Vol:9(4) 2013, 133-137	ISSN-0974-7508	-----

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			7	Biosynthesis of silver nanoparticles using chitosan immobilized Bacillus cereus: Nanocatalytic studies”	V. K. Gupta, N. Atar, M. L. Yola, C. Darcan, Önder İdil, Z. Üstündağ and Suhas	Journal of Molecular Liquids	188, 81–88	0167-7322	1.684
2013-14	10	1	Preparation and luminescence properties of MZrO <sub>3</sub> :Eu <sup>3+</sup> ,A (M=Ca <sup>2+</sup> , Ba <sup>2+</sup> ; A=Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> ) Phosphors with Perovskite Structure	B. Marí, P. Cembrero-Coca, K. C. Singh, R. D. Kaushik, Hari Om	Acta Physico-Chimica Sinica	29(6)(2013), 1357-1362.	ISSN: 1000-6818	0.68	
		2	Kinetics –spectrophotometric determination of Mn <sup>II</sup> in nano grams based on its catalytic effect on periodate oxidation of N,N-diethylaniline	Rajdeep Malik, Jaspal Singh, Purnima Sundriyal and R. D. Kaushik	J. Natur. Phys. Sci.	Accepted for Publication	ISSN: 097-3799	--	
		3	Uncatalysed Non-Malpradian periodate oxidation of aromatic amines – An overview	R.D.Kaushik, Jaspal Singh, Manila, Priyanka Tyagi and Prabha Singh	J. Indian Chem. Soc.	Accepted for publication	ISSN: 0019-4522	0.34	
		4	Proximate Analysis, Nutritional Value, Phytochemical Evaluation and Biological Activity of Litchi chinensis sonn. Leaves,	Rishi Kumar Shukla,Deepak Painuily,Anirudh porval,Abha Shukla	Journal of herbs, spices and medicinal plants Print/ 1540-3580 Online	Vol-20 1-13 (DOI: 0.1080/10496475.2013.848830)	ISSN: 1049-6475	-	
		5	Preliminary Phytochemical Screening, Antibacterial and Nitric Oxide Radical Scavenging Activities of Reinwardtia indica Leaves Extract,	Abha Shukla,Swati Vats,R.K. Shukla	Journal of PharmTech Research	Vol.5(4) 1670-1678,	ISSN : 0974-4304	-	
		6	Comparative evaluation of various extraction techniques for analysis of Hexaconazole residues in Soils,	Khushbu Sharma, P.E. Joseph, jashbir Singh, Rishi Kumar Shukla	Environment Conservation Journal	14(1&2) , 2013	ISSN 0972-3099 (Print) 2278-5124 (Online)	-	
		7	Sugar Profile, total phenolic and antioxidant potential of Anthocyanins rich Syzygium	Jashbir Singh, R.K.Shukla, Suresh Walia	Natural Products An indian Journal(NPAIJ)	Vol:9(9) 350-354, 2013	ISSN-0974-7508	-	

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				Cumini fruit,					
			8	Phytochemical Screening and Evaluation of Berginia ligulata root extract for antimicrobial activity, (accepted)	Rishi Kumar Shukla	Environment Conservation Journal		ISSN 0972-3099 (Print) 2278-5124 (Online)	-
			9	Microgram Determination of periodate ion based on its reduction by N,N-dimethylaniline	Jaspal Singh	Journal of Natural & Physical Sciences	25,Accepted	0973799	-
			10	Removal of Ni (II) ions from water using scrap tire	V.K. Gupta, Suhas, A. Nayak, S. Agarwal, M.Chaudhary and I. Tyagi	Journal of Molecular Liquids	190, 215–222	. 0167-7322	1.684
MATHEMATICS & STATISTICS	2009-10	10	1.	Priority Based Tasks Allocation for Load Balancing in Distributed Computing	M.P.Singh, H.Kumar, P.K.Yadav	Pacific Asia Journal of Mathematics	Vol. 3, No.2, pp.153-165	0973-5240	-
			2.	Task Allocation Model for Optimal Utilization of Processor's Capacity in Distributed system	H.Kumar, M.P.Singh, P.K.Yadav	International Journal of Mathematical Sciences and Engineering Applications	Vol.3, No. IV, pp.389-394	0973-9424	
			3.	An Efficient Method for Task Scheduling in Computer Communication Network	P. K Yadav, Jugendra Singh and M. P Singh	International Journal of Intelligent Information Processing	Vol. 3(1) pp 81-89	0973-3892	
			4.	Graceful Graphs from Hairy Cycles	P.Pradhan, A.Kumar	Journal of Natural and Physical Sciences,	Vol. 23, No. 1-2 , pp. 79-84	097- 3799	
			5.	Flow of an Elastico-Viscous Record Grade Fluid Between Two Infinite	P.Pradhan, P.Chaddha,	International Journal of	Vol. 2, No. VIII, pp. 131-143	0974-1518	

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				Rotating Discs With Suction	H.G.Sharma	Engineering and Industrial Applications			
			6.	The Transport of Oxygen During Pranayama in the Respiratory Tree by the Alveolar Amplitude Response Technique using the Numerical Methods	Sarita, V.K.Katiyar, P.Pradhan	International Transaction in Applied Sciences	Vol. 1, No. 3, pp. 379-390	0974-7272	
			7.	Modified Noor Iterative Scheme in Banach Spaces	B.Prasad, P.Pradhan, R.Sahni	International Mathematical Forum	Vol. 5, No. 38 pp. 1895 – 1902	1312-7594	
			8.	Analytical Study of Human Respiratory System	Sarita, V.K.Katiyar, P.Pradhan	Int. J. Appl. Math and Mech.	Vol. 6, No. 5 , pp.39-45	0973-0184	
			9.	An Efficient Tasks Scheduling Model in Distributed Processing Systems Using ANN	P.K. Yadav, M.P Singh, A. Kumar, B.Agarwal	International Journal of Computer Engineering	Vol 1(2) pp.57-62	0976 – 6367	
			10.	Multi- Objective Programming Approach in Bank Investment Planning	A.Gaur, H.Kumar	International Journal of Mathematical Sciences	Vol. 9, No.1-2, pp. 151-159	0972-754X	-
	2010-11	04	1.	Approximate Fixed Points of Some General Contractions	B.Prasad, P.Pradhan, R.Sahni	International Journal of Mathematical Sciences and Engineering Applications	Vol.4, No. III, pp. 159-163	0973-9424	
			2.	Electric Charge Developed by Seismic Stress on Earthquake Sources and its Effect on Animals	N.Bhagava, P.Pradhan, M.L.Sharma, V.K.Ktiyar	Journal of International Academy of Physical	Vol. 14, No. 2, pp. 205-214	0974-9373	

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						Sciences,			
			3.	Flow of an Elastico – Viscous Second – Grade Fluid Due to a Rotating Disc with Uniform High Suction	H.G.Sharma, P.Chaddha, P.Padhan	Journal of Stability and Fluid Mechanics	Vol. 1, No. 2, pp. 199-210	0975-8399	
			4.	On Gracefulness of Graphs Obtained from Hairy Cycles	P.Padhan, A.Kumar, D. Mishra	Journal of Combinatorics, Informations & System Sciences	Vol. 35, No. 3 – 4, pp. 471 – 480	0250-9628	
	2011-12	08	1.	Graceful Hairy Cycles with Pendent Edges and Some Properties of Cycles and Cycle Related Graph	P.Pradhan, A.Kumar	Bulletin of The Calcutta Mathematical Society	Vol. 103, No. 3, pp. 233-246	0008-0659	
			2.	Unusual Animal Behavior Due to Acoustic Waves Generated by and Earthquake	N.Bhargava, P.Pradhan, V.K.Ktiyar, M.L.Sharma	Journal of International Academy of Physical Sciences	Vol.15, No.4, pp. 435 - 445	0974-9373	
			3.	Metric Dimension of Graceful Graphs	P.Pradhan, A.Kumar	Bulletin of The Calcutta Mathematical Society	Vol. 104, No. 1, pp. 61 – 76	0008-0659	
			4.	An Optimal Task Allocation Model through Clustering with Inter-Processor Distances in Heterogeneous Distributed Computing Systems	M.Sharma, H., Kumar, D., Garg	International Journal of Soft Computing and Engineering	Vol. 2, No.1, pp.50-58	2231-2307	
			5.	Task Allocation Model for Reliability and Cost Optimization in Distributed Computing System	P. K Yadav, M.P Singh, and Kuldeep Sharma	International Journal of Modelling, Simulation and Scientific Computing	Vol.2(2), pp 1-19	1793-9615	
			6.	An Optimal Task Allocation Model for System Cost Analysis in	P. K Yadav, M.P Singh, and Kuldeep	International Journal of	Vol.28(4), pp 30-37	0975-888	



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				Heterogeneous Distributed Computing System: A Heuristic Approach	Sharma	Computer Application.			
			7.	Analytical Study for the Flow of Blood Cells in Capillaries with Stenosis	R. Ali, M. Gupta, M.P.Singh, V.K. Katiyar	Shkhar (New Series) International Journal of Mathematics	Vol. 3(1), pp. 11-20	0976-4445	
			8.	Damped vibrations of Exponentially Non-Homogenous Isotropic Elastic Rectangular Plates of Parabolically Varying Thickness Resting On Elastic Foundation	Manu Gupta Ajendra Kumar	International Journal in Mathematical Sciences and computers	PP.113-122	0974-5068	
	2012-13	04	1.	Scheduling in a Distributed Processing Environment: A Genetic Approach	M.P.Singh, P.K.Yadav A. Aggarwal,	Journal of Information & Computation Technology,	Vol. 3(2), pp. 93-97	0974-2239	-
			2.	Tasks Assignment for Multiple Heterogeneous Processors with Dynamic Re-assignment	H.Kumar, M.P.Singh, P.K.Yadav	Journal of Computers & Technology,	Vol. 4 (2), pp. 528-535	2277-3061	
			3.	Tasks Allocation Model with Fuzzy Execution and Fuzzy Inter-Tasks Communication Times in a Distributed Computing System	H.Kumar, M.P.Singh, P.K.Yadav	International Journal of Computer Applications	Vol.72– No.12, pp.24-31	0975-8887	
			4.	Solving Differential Equation of Second Order Using Quadratic Legendre Multi Wavelets with Operational Matrix of Integration	Menu Devi S R Verma M P Singh	International Journal of Computer Applications	75(15) pp.43-49	0975-8887	
	2013-14	05	1	Optical Dispersion In Annealed Thin films of S-doped a-Si:H Alloys	L. P. PurohitH. Gupta Pankaj K. Pal A. Kumar, R. Kumar R.M. Mehra	Journal of Nano-and Electronics Physics	Vol. 5 (1) pp01020-1-2	2077-6772	
			2	A Secure and Efficient Authentication Protocol based on Elliptic Curve Diffie-Hellman	Manoj Kumar	International Journal of Soft Computing and	Vol.-3, Issue-5, November 2013, pp. 137-142	2231-2307 (online available)	

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				algorithm and Zero-knowledge property		Engineering			
			3	Tasks Scheduling in Distributed Processing Environment: A Fuzzy Approach	P.Pradhan, P.K.Yadav, Preet Pal Singh	CiiT International Journal of Programmable Device Circuit and System	Vol.5, No.9, pp.377-83	0974-973X	
			4	Missing Numbers in k-Graceful Graphs	P.Pradhan Kamesh Kumar A. Kumar	International Journal of Computer Applications	Vol. 79(8)	0975-8887	
			5	A New Algorihm for Finding a Minimum Dominating Set of Graphs	P. Pradhan B.S.Rawat	International Journal of Computer Applications	Vol. 85(19)	0975-8887	
PHYSICS	2009-10	08	1	Investigation of Optical Properties of $Ge_xSe_{80-x}Pb_{20}$ Films	Kamal Kumar, L.P.Purohit, R.Kumar and R.M.Mehra	Journal of Physics D: Applied Physics	42, 115108		2.1
			2	Study of Humidity Sensing Property of LiCe Substituted Magnesium Ferrite	R.K.Kotnala, Jyoti Shah, M.C. Mathpal, Devinder Gupta, L.P.Purohit and HariKishan	Sensor Letters	7 (6), 1051-1056	1546198X	1.16
			3	Optical Properties of Boron doped ZnO Thin films Prepared by Sol-Gel Technique	L.P. Purohit, Vinod Kumar and R. Kumar	Journal of Natural and Physical Sciences	23(1-2) & 7-12	0973799	
			4	Numerical Simulation of MIG for 42 GHz 200 kW Gyrotron	Udaybir Singh, Anirban Bera, Nerendra Kumar, L.P. Purohit, Ashok K. Sinha	J Infrared Milli Terahz Waves	31 (6), 708-713	8666892	0.69
			5	Confinement of test particles in	Suman Ghosh, Sayan	Phys. Rev. D	82, 24040		4.92

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				warped spacetime	Kar and Hemwati Nandan				
			6	Kinematics of geodesic flows in stringy black hole backgrounds	Anirvan Dasgupta, Hemwati Nandan and Sayan Kar	Phys. Rev. D	79(11), 124004		4.92
			7	Kinematics of flows on curved, deformable media	Anirvan Dasgupta, Hemwati Nandan and Sayan Kar	International Journal of Geometric Methods in Modern Physics	6(4), 645		1.61
			8	Screening Current and Dielectric Parameters in dual QCD	Hemwati Nandan, N. M. B. Roder and H. C. Chandola	Indian Journal of Pure and Applied Physics	47(11), 808		0.25
	2010-11	25	1	Kinetics of photodarkening in a-As <sub>2</sub> Se <sub>3</sub> thin films	Dinesh C. Sati, R. Kumar, R.M.Mehra, H.Jain and A. Ganjoo	Journal of Applied Physics	105, 123105		2.2
			2	Numerical simulation of a magnetron injection gun for 120 GHz, 1 MW gyrotron	Udaybir Singh, N Kumar, N Kumar, S Tandon, H Khatun, L.P.Purohit and AK Sinha	Progress In Electromagnetics Research Letters (PIER L)	16 & 21-34		1.02
			3	Numerical simulation of MIG for 200kw, 42 Ghz gyrotron	Udaybir Singh, A Bera, Narendra Kumar, L.P. Purohit and AK Sinha	Int. Journal of Infrared, Millimeter and Terahertz Waves	31 & 708-713		0.56
			4	Comparative EGUN and TRAK simulation studies on the design of the magnetron injection gun of a 200kw 42 Ghz gyrotron	Udaybir Singh, Narendra Kumar, Nitin Kumar, A Bera, L.P. Purohit and AK Sinha	Int. Journal of Applied Electromagnetics and Mechanics	34 & 99-107		0.23
			5	Design of magnetically tunable magnetron injection guns for gyrotrons at multiple frequencies	Udaybir Singh, Nitin Kumar, L.P. Purohit and A.K. Sinha	IEEE Tr. Plasma Science	39 & 1082-1085		1.04

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			6	Thermal and structural analysis of MIG for gyrotron	Udaybir Singh, Anil Kumar, Nitin Kumar, Narendra Kumar, R. S. Raju, L.P. Purohit and A. K. Sinha	J of Fusion Energy	30 & 176-179		0.78
			7	Design of 84 ghz 500 kw gyrotron for technological millimeter wave applications	Udaybir Singh, Nitin Kumar, L.P. Purohit and A. K. Sinha	J of Fusion Energy	30 & 105-110	09258388	0.78
			8	Design of electron gun for 1.5 MW, 140 ghz gyrotron,	Udaybir Singh, Nitin Kumar, L.P. Purohit and A. K. Sinha	J of Fusion Energy	53-57 & 30	01640313	1.08
			9	Optical properties of se or s-doped hydrogenated amorphous silicon thin films with annealing temperature and dopant concentration	S.K. Sharma,, Himanshu Gupta, L.P. Purohit, K.-N.P. Kumar, BoGyun Kima, R. Kumar, R.M. Mehra	Journal of Alloys and Compounds	3338–3342 & 509	09258388	2.21
			10	Significant increase in humidity sensing characteristics of praseodymium doped magnesium ferrite	Jyoti Shah, Manju Arora, L. P. Purohit, R.K. Kotnala	Sensors and Actuators A: Physical	332-337 & 167(2)	09244247	2.09
			11	Numerical simulation of single-anode and double-anode magnetron injection guns for 127.5 Ghz 1 MW gyrotron	Udaybir Singh, Nitin Kumar, Anil Kumar, L.P. Purohit and AK Sinha	Frequenz Journal	65 (6), 143-147	00161136	0.17
			12	Temperature induced stress dependent photoluminescence properties of nanocrystallite zinc oxide	V. Kumar, R.G. Singh, L.P. Purohit and R.M. Mehra	Journal of Nanoelectronic and Physics	302 (3), 388-395	20776772	Scopus cited
			13	Structural, transport and optical properties of boron-doped zinc oxide nanocrystalline	V. Kumar, R.G. Singh, L.P. Purohit and R.M. Mehra	J. Mater. Sci. Technology	27(6), 481-88	10050302	0.83
			14	Dependence of structural, transport and optical properties of	V. Kumar, R.G. Singh, L.P. Purohit	Invertis Journal of Science and	In Press	09738940	-

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				nanocrystalline zinc oxide films on annealing temperature	and R.M. Mehra	Technology			
			15	Design of magnetically tunable magnetron injection guns for gyrotrons at multiple frequencies	Singh, U., Kumar, N., Purohit, L.P., Sinha, A.K.	IEEE Transactions on Plasma Science	1082-1085 & 39 (4 Part-2)	00933813	1.25
			16	Improved Design of Beam Tunnel for 42 GHz Gyrotron	Udaybir Singh, Nitin Kumar, L. P. Purohit and A. K. Sinha,	J of Fusion Energy,	180-183 & 30 (2)	0160 40313	0.78
			17	Temperature induced stress dependent Photoluminescence properties of nanocrystallite zinc	V. Kumar <sup>1</sup> , R.G. Singh L.P. Purohit, R.M. Mehra <sup>3</sup>	J. Nano-Electron. Phys.	388-395 & 3 (1)	20776772	Scopus Cited
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