



**Department of Physics, University of Jammu**

**Research Publications**

**2018**

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
							Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/Scopus /Web of Science /other, mention
1	Development of SnS <sub>0.4</sub> Se <sub>0.6</sub> Ternary Alloy on Annealing of Thermally Deposited Films	Arun Banotra & <b>Naresh Padha</b>	Physics	Journal of Electronic Materials	2018	0361-5235	<a href="https://www.springer.com/journal/11664">https://www.springer.com/journal/11664</a>	<a href="https://link.springer.com/article/10.1007/s11664-018-6710-y">https://link.springer.com/article/10.1007/s11664-018-6710-y</a>	UGC Care list/Scopus/ Web of Science
2	Impact of additional sulphur on structure, morphology and optical properties of SnS thin films by thermal evaporation	Arun Banotra, <b>Naresh Padha</b> , Shiv Kumar, and Ashok K. Kapoor	Physics	AIP Conference Proceedings	2018	0094-243X	<a href="https://aip.scitation.org/journal/apc">https://aip.scitation.org/journal/apc</a>	<a href="https://aip.scitation.org/doi/10.1063/1.5032986">https://aip.scitation.org/doi/10.1063/1.5032986</a>	UGC Care list/Scopus/ Web of Science

3	Structural and optical properties of tin disulphide thin films grown by flash evaporation	Arun Banotra & <b>Naresh Padha</b>	Physics	AIP Conference Proceedings	2018	0094-243X	<a href="https://aip.scitation.org/journal/apc">https://aip.scitation.org/journal/apc</a>	<a href="https://aip.scitation.org/doi/abs/10.1063/1.5028884">https://aip.scitation.org/doi/abs/10.1063/1.5028884</a>	UGC Care list/Scopus/ Web of Science
4	Potential of Sm <sup>3+</sup> doped LiSrVO <sub>4</sub> nanophosphor to fill amber gap in LEDs	P.Biswas, Vinay Kumar, Vishal Sharm, A.K.Bedyal <b>Naresh Padha</b> , H.C.Swart	Physics	Physica B: Condensed Matter	2018	0921-4526	<a href="https://www.sciencedirect.com/journal/physica-b-condensed-matter">https://www.sciencedirect.com/journal/physica-b-condensed-matter</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0921452617304398">https://www.sciencedirect.com/science/article/abs/pii/S0921452617304398</a>	UGC Care list/Scopus/ Web of Science
5	Structure and Molecular Interactions Analysis of (E)-N'-(3,4,5-trimethoxybenzylidene)isonicotinohydrazide dehydrate	Gopal Sharma, Sumati Anthal, A. Jayashree, B. Narayana, B. K. Sarojini, <u>RAJNI KANT*</u>	Physics	IOSR Journal of Applied Physics	2018	2278-4861	<a href="http://www.iosrjournals.org">www.iosrjournals.org</a>	<a href="https://doi.org/10.9790/4861-1006023944">https://doi.org/10.9790/4861-1006023944</a>	No
6	Polymorph of (E)-N'-(4-chlorobenzylidene)isonicotinohydrazide monohydrate	Jigmat Stodus, Sumati Anthal, A. Jayashree, B. Narayana, B. K. Sarojini and <u>RAJNI KANT*</u>	Physics	IUCr Data	2018	2414-3146	<a href="https://iucrdata.iucr.org">https://iucrdata.iucr.org</a>	<a href="http://dx.doi.org/10.1107/S2414314618016346">http://dx.doi.org/10.1107/S2414314618016346</a>	Yes-Scopus
7	The chemical identity of	István E. Sajó,	Physics	Journal of	2018	0095-8972	<a href="https://">https://</a>	<a href="https://doi.org/">https://doi.org/</a>	Yes

	‘[Ag(py) <sub>2</sub> ]MnO <sub>4</sub> ’ organic solvent soluble oxidizing agent and new synthetic routes for the preparation of [Ag(py) <sub>n</sub> ]XO <sub>4</sub> (X = Mn, Cl, Re, n = 2-4) complexes	Gréta B. Kovács, Tibor Pasinszki, Petra A. Bombicz, Zoltán May, Imre M. Szilágyi, Anna Jánosity, Kalyan K. Banerji, <u>RAJNI KANT</u> and László Kótai	s	Coordination Chemistry			www.tandfonline.com	10.1080/00958972.2018.1493464	
8	Crystal Structure of 2-amino-4-(4-hydroxyphenyl)-5, 10-dihydro-4H-benzo[g]chromene-3-carbonitrile	D.K.Sharma, A. Jayashree B.Narayana, B.K.Sarojini, Sumati Anthal, <u>RAJNI KANT</u> *	Physics	IOSR Journal of Applied Physics	2018	2278-4861	www.iosrjournals.org	10.9790/4861-1004012933	No
9	One-pot Synthesis of Chiral Tetracyclic Dibenzo[b,f][1,4]oxazepine-fused 1,2-Dihydropyridines (DHPs)	Sachin Choudhary, Amol Pawar, Jyothi Yadav, D.K.Sharma, <u>RAJNI KANT</u>	Physics	The Journal of Organic Chemistry	2018	0022-3263	https://pubs.acs.org	https://doi.org/10.1021/acs.joc.8b01232	Yes

	Under Metal-Free Conditions	and Indresh Kumar							
10	Synthesis and crystal structure of 3,3,6,6-tetramethyl-9-(2-hydroxyphenyl)-3,4,6,7,9,10-hexahydroacridine-1,8-dione”	Imran Hussein, Sumathi Anthal, MB Deshmukh, <u>RAJNI KANT*</u>	Physics	European Chemical Bulletin	2018	2063-5346	<a href="https://www.eurchembull.com">https://www.eurchembull.com</a>	NA	Yes
11	Synthesis, Characterization, SCXR and DFT analysis of Disubstituted phosphorodithioates	Mandeep Kour, S. Kumar, A Feddag, Savit Andotra, A. Chouaih, V.K Gupta, <u>RAJNI KANT</u> , S. K Pandey		Journal of Molecular Structure	2018	0022-2860	<a href="https://www.journals.elsevier.com">https://www.journals.elsevier.com</a>	Doi:10.1016/j.molstruc.2017.12.103	Yes
12	Synthesis, X-ray crystal structure studies and molecular docking analysis of 2-(3,4-dimethoxyphenyl)-4,5-diphenyl-1H-imidazole	Sumati Anthal, B. Narayana, B.K. Sarojini, <u>RAJNI KANT*</u>	Physics	Chemical Data Collections	2018	2405-8300	<a href="https://www.journals.elsevier.com/">https://www.journals.elsevier.com/</a>	<a href="https://doi.org/10.1016/j.cdc.2018.04.004">https://doi.org/10.1016/j.cdc.2018.04.004</a>	Yes
13	One-pot sequential	Anoop	Physics	Royal Society	2018	2046-2069	<a href="https://www.rsc.org/">https://www.rsc.org/</a>	<a href="https://doi.org/">https://doi.org/</a>	Yes

	multicomponent reaction between in situ generated aldimines and succinaldehyde: facile synthesis of substituted pyrrole-3-carbaldehydes and applications towards medicinally important fused heterocycles	Singh, N. A. Mir, Sachin Choudhary, Deepika Singh, Preetika Sharma, <u>RAJNI KANT</u> , Indresh Kumar	s	of Chemistry Advances				10.1039/C8RA01637B	
14	Synthesis, X-ray structure and molecular docking analysis of two novel 1,2,4,5-tetrasubstituted imidazoles	R. Sharma, A. Jayashree, B. Naraana, B. K. Sarojini, C. Ravikumar, S. Murugavel, S. Anthal, <u>RAJNI KANT*</u>	Physics	International Journal of Biophysics	2018	2168-4979	<a href="http://www.sapub.org/">http://www.sapub.org/</a>	DOI: 10.5923/j.biophysics.20180801.02	Yes
15	Molecular modeling, spectroscopic investigations, and computational studies of dmsolvated 7'-amino 1',3'-dimethyl-2,2',4'-trioxo-1',2',3',4',4a',8a'-tetrahydrospiro[indoline-3,5'-pyrano[2,3d]Pyrimidine]-6'-carbonitrile	S. Sharma, G. Brahmachari, A. Kumar, N. Misra, <u>RAJNI KANT</u> V. K. Gupta	Physics	Journal of Structural Chemistry	2018	0022-4766	<a href="https://www.springer.com">https://www.springer.com</a>	DOI: 10.1134/S0022476618010389	Yes

16	Tert-butyl4-(3-(4-methoxyphenyl)pyrimidinequinolin-2-yl)piperazine-1-carboxylate	S. Anthal, V..D. Singh, N.R. Desai, D.B. Arunakumar, S. Sreenivasa, Kamni and <u>RAJNI KANT*</u>	Physics	IUCr Data	2018	2414-3146	<a href="https://iucrdata.iucr.org">https://iucrdata.iucr.org</a>	<a href="http://dx.doi.org/10.1107/S2414314618004273">http://dx.doi.org/10.1107/S2414314618004273</a>	Yes-Scopus
17	Synthesis, crystal structure and intermolecular interactions in (2E)-1-(Anthracen-9-yl)-3-(3-nitrophenyl)prop-2-en-1-one	Ankit Raina, Vinutha V Salian, B. Narayana, B. K. Sarojini, <u>RAJNI KANT*</u>	Physics	X-ray Structure Analysis Online	2018	1883-3578	<a href="http://www.jsac.or.jp">http://www.jsac.or.jp</a>	<a href="https://doi.org/10.2116/xraystruct.34.5">https://doi.org/10.2116/xraystruct.34.5</a>	Yes
18	3-[6-(4-Methoxyphenyl)-2-methylpyrimidin-4-yl]-2-(4-methylpiperazin-1-yl)quinoline	Vikram D. Singh, <u>SUMATI ANTHAL</u> , N. R. Desai, D. B. Arunakumar, S. Sreenivasa, Kamni, <u>RAJNI KANT*</u>	Physics	IUCr Data	2018	2414-3146	<a href="https://iucrdata.iucr.org">https://iucrdata.iucr.org</a>	<a href="http://dx.doi.org/10.1107/S2414314618000305">http://dx.doi.org/10.1107/S2414314618000305</a>	Yes-Scopus
19	Crystal Structure	D.K.Sharma,	Physics	Heterocyclic	2018	0793-0283	<a href="https://publons.com/">https://publons.com/</a>	<a href="https://doi.org/">https://doi.org/</a>	Yes

	and Molecular Docking Studies of Two Novel 1,2,4,5-Tetra Substituted Imidazoles  Synthesized Through One Pot Four Component Reaction Using ZnO Nanoparticles as Catalyst	Sumati Anthal, A. Jayashree B.Narayana, B K.Sarojini, C.Ra vikumar, S.Mur ugavel, <u>RAJNI KANT*</u>	s	Communications				10.1515/hc-2017-0165	
20	An Insight into the Crystallographic Aspects of Quinolines	D.K.Sharma, Sumati Anthal and <u>RAJNI KANT</u>	Physics	Journal of Basic & Applied Engineering Research	2018	2350-0255	<a href="http://www.cosmosimpactfactor.com/">http://www.cosmosimpactfactor.com/</a>	NA	No
W21	Iodine-NH <sub>4</sub> OAc mediated regioselective synthesis of 2-aryl-3-arylimidazo[1,2-a]pyridines from 1,3-diaryl-prop-2-en-1-ones	Dilpreet Kour, A. Gupta, Kamal K. Kapoor, V.K.Gupta, <u>RAJNI KANT</u> , D. Singh, Parthasarathi Das	Physics	Organic and Biomolecular Chemistry	2018	1477-0520	<a href="https://www.rsc.org">https://www.rsc.org</a>	<a href="https://doi.org/10.1039/C7OB02750H">https://doi.org/10.1039/C7OB02750H</a>	Yes
22	First measurement of jet mass in Pb–Pb and p–Pb collisions at the LHC	S. Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev	Physics	<i>Phys.Lett.B</i> 776	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	doi:10.1016/j.physletb.2017.11.044	yes

		S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)		(2018) 249-264					
23	J/ $\psi$ production as a function of charged-particle pseudorapidity density in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	D. Adamová,.....Prof. Anju Bhasin,Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 776 (2018) 91-104	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2017.11.008	yes
24	D-meson azimuthal anisotropy in midcentral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreya Acharya,.....Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.Lett.</i> 120 (2018) 10, 102301	2018	0031-9007	<a href="https://journals.aps.org/prl">https://journals.aps.org/prl</a>	10.1103/PhysRevLett.120.102301	yes
25	$\pi^0$ and $\eta$ meson production in proton-proton collisions at $\sqrt{s_{NN}}=8$ TeV	Shreya Acharya,.....Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et	Physics	<i>Eur.Phys.J.C</i> 78 (2018) 3, 263	2018	1434-6044	<a href="https://www.springer.com/journal/10052">https://www.springer.com/journal/10052</a>	10.1140/epjc/s10052-018-5612-8	yes



		al.,(ALICE Collaboration)							
26	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Rev.C 97 (2018) 2, 024906	2018	2469-9985	<a href="https://journals.aps.org/prc/">https://journals.aps.org/prc/</a>	10.1103/PhysRevC.97.024906	yes
27	The ALICE Transition Radiation Detector: construction, operation, and performance	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Nucl.Instrum.Meth.A 881 (2018), 88-127	2018	0168-9002	<a href="https://www.sciencedirect.com/journal/nuclear-instruments-and-methods-in-physics-research-section-a-accelerators-spectrometers-detectors-and-associated-equipment">https://www.sciencedirect.com/journal/nuclear-instruments-and-methods-in-physics-research-section-a-accelerators-spectrometers-detectors-and-associated-equipment</a>	10.1016/j.nima.2017.09.028	yes
28	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Lett.B 777 (2018), 151-162	2018	0370-2693	<a href="https://www.sciencedirect.com/journal/physics-letters-b">https://www.sciencedirect.com/journal/physics-letters-b</a>	10.1016/j.physletb.2017.12.021	yes
29	Search for collectivity with azimuthal J/ $\psi$ hadron correlations in high multiplicity p-Pb collisions	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal,	Physics	Phys.Lett.B 780 (2018), 7-20	2018	0370-2693	<a href="https://www.sciencedirect.com/journal/physics-letters-b">https://www.sciencedirect.com/journal/physics-letters-b</a>	10.1016/j.physletb.2018.02.039	yes

	at $\sqrt{s_{NN}} = 5.02$ and $8.16$ TeV	Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
30	Production of deuterons, tritons, $^3\text{He}$ nuclei and their antinuclei in pp collisions at $\sqrt{s_{NN}} = 0.9, 2.76$ and $7$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Rev.C 97 (2018) 2, 024615	2018	2469-9985	<a href="https://journals.aps.org/prc/">https://journals.aps.org/prc/</a>	10.1103/PhysRevC.97.024615	yes
31	Production of $^4\text{He}$ and $^4\text{He}^-$ overline{\text{He}} $^4\text{He}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Nucl.Phys.A 971 (2018), 1-20	2018	0375-9474	<a href="https://www.sciencedirect.com/journal/nuclear-physics-a">https://www.sciencedirect.com/journal/nuclear-physics-a</a>	10.1016/j.nuclphysa.2017.12.004	yes
32	Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Lett.B 781 (2018), 20-32	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.03.051	yes
33	Scaling Properties of	Dr. Ramni Gupta	Physics	Advances in High Energy	2018	1687-7365	<a href="https://www.hindawi.com/">https://www.hindawi.com/</a>	10.1155/2018/6283801	Yes

	Multiplicity Fluctuations in the AMPT Model			Physics			journals/ahep/		
34	Measurement of $Z^0$ -boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.03.010	Yes
35	First measurement of $\Xi^0$ production in pp collisions at $\sqrt{s_{NN}}=7\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.03.061	Yes
36	Constraints on jet quenching in p-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$ measured by the event-activity dependence of semi-inclusive hadron-jet distributions	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018		<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.05.059	Yes
37	$\Lambda^+_c$ production in pp collisions at $\sqrt{s_{NN}}=7$	Shreya Acharya,.....	Physics	JHEP	2018	1029-8479	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	10.1007/JHEP04(2018)108	Yes

	TeV and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
38	Neutral pion and $\eta$ meson production in p-Pb collisions at $\sqrt{s_{NN}} =$ 5.02TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Eur.Phys.J.C	2018	1434-6052	<a href="https://epjc.epj.org/">https://epjc.epj.org/</a>	10.1140/epjc/ s10052-018-6013-8	Yes
39	Prompt and non-prompt $J/\psi$ production and nuclear modification at mid- rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Eur.Phys.J.C	2018	1434-6052	<a href="https://epjc.epj.org/">https://epjc.epj.org/</a>	10.1140/epjc/ s10052-018-5881-2	Yes
40	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p- Pb and Pb-Pb collisions at the LHC	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	JHEP	2018	1029-8479	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	10.1007/ JHEP11(2018)013	Yes

41	Neutral pion and $\eta$ meson production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	PHYSICAL REVIEW C	2018	2469-9993	<a href="https://journals.aps.org/prc/">https://journals.aps.org/prc/</a>	10.1103/PhysRevC.98.044901	Yes
42	Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{TeV}$	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.06.042	Yes
43	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and $2.76\text{TeV}$	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	JHEP	2018	1029-8479	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	10.1007/JHEP07(2018)103	Yes
44	$\phi$ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{TeV}$	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Eur.Phys.J.C	2018	1434-6052	<a href="https://epjc.epj.org/">https://epjc.epj.org/</a>	10.1140/epjc/s10052-018-6034-3	Yes

45	Measurement of $D^0$ , $D^+$ , $D^{*+}$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	JHEP	2018	1029-8479	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	10.1007/JHEP10(2018)174	Yes
46	Anisotropic flow in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV.	S. Acharya, ..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 784 (2018) 82-95	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.06.059">10.1016/j.physletb.2018.06.059</a>	yes
47	Inclusive $J/\psi$ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 07 (2018) 160	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP07(2018)160">10.1007/JHEP07(2018)160</a>	yes
48	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in ppp-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni	Physics	<i>Phys.Rev.Lett.</i> 122 (2019) 7, 072301	2018	0031-9007	<a href="https://journals.aps.org/prl/">https://journals.aps.org/prl/</a>	<a href="https://doi.org/10.1103/PhysRevLett.122.072301">10.1103/PhysRevLett.122.072301</a>	yes

		Gupta.....et al.,(ALICE Collaboration)							
49	Y suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}= 5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 790 (2019) 89-101	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.11.067">10.1016/j.physletb.2018.11.067</a>	yes
50	Production of the $\rho^0$ meson in pp and Pb-Pb collisions at $\sqrt{s_{NN}}= 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 6, 064901	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.99.064901">10.1103/PhysRevC.99.064901</a>	yes
51	Dielectron production in proton-proton collisions at $\sqrt{s}= 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 09 (2018) 064	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP09(2018)064">10.1007/JHEP09(2018)064</a>	yes

52	Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton collisions at $\sqrt{s_{NN}}=13$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 788 (2019) 505-518	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.11.009	yes
53	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 790 (2019) 35-48	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.12.048">10.1016/j.physletb.2018.12.048</a>	yes
54	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in pp collisions at $\sqrt{s_{NN}}=8$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Eur.Phys.J.C</i> 78 (2018) 7, 562	2018	1434-6052	<a href="https://www.springer.com/journal/10052">https://www.springer.com/journal/10052</a>	<a href="https://doi.org/10.1140/epjc/s10052-018-6027-2">10.1140/epjc/s10052-018-6027-2</a>	yes
55	Transverse momentum	Shreyasi Acharya,..... Prof. Anju	Physics	<i>Phys.Lett.B</i> 788 (2019) 166-179	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.10.05">10.1016/j.physletb.2018.10.05</a>	yes



	spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)						<u>2</u>	
56	Suppression of $\Lambda(1520)$ \ $\Lambda(1520)$ resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 024905	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.99.024905">10.1103/PhysRevC.99.024905</a>	yes
57	Inclusive $J/\psi$ production in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 785 (2018) 419-428	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.08.047">10.1016/j.physletb.2018.08.047</a>	yes
58	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 789 (2019) 308-322	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.11.039">10.1016/j.physletb.2018.11.039</a>	yes

		al.,(ALICE Collaboration)							
59	<u>Anisotropic flow of identified particles in Pb-Pb collisions at <math>\sqrt{s_{NN}}=5.02</math></u>	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP 09 (2018) 006</i>	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP09(2018)006">10.1007/JHEP09(2018)006</a>	yes
60	Measurements of low- $p_{T\{T\}}$ electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP 10 (2018) 061</i>	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP10(2018)061">10.1007/JHEP10(2018)061</a>	yes
61	Two particle differential transverse momentum and number density correlations in p-Pb and Pb-Pb at the LHC	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C 100 (2019) 4, 044903</i>	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.100.044903">10.1103/PhysRevC.100.044903</a>	yes

62	Analysis of the apparent nuclear modification in peripheral Pb–Pb collisions at 5.02 TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 793 (2019) 420-432	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2019.04.047">10.1016/j.physletb.2019.04.047</a>	yes
63	p–p, p– $\Lambda$ and $\Lambda$ – $\Lambda$ correlations studied via femtoscopy in pp reactions at $\sqrt{s_{NN}} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024001	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.99.024001">10.1103/PhysRevC.99.024001</a>	yes
64	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024002	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.99.024002">10.1103/PhysRevC.99.024002</a>	yes
65	<u>Medium modification of the shape of small-radius jets in central Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV</u>	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni	Physics	<i>JHEP</i> 10 (2018) 139	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP10(2018)139">10.1007/JHEP10(2018)139</a>	yes

		Gupta.....et al.,(ALICE Collaboration)							
66	Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s_{NN}} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024906	2018	2469-9985	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.99.024906">10.1103/PhysRevC.99.024906</a>	yes
67	Charged jet cross section and fragmentation in proton-proton collisions at $= 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.D</i> 99 (2019) 1, 012016	2018	1550-7998	<a href="https://journals.aps.org/prd/">https://journals.aps.org/prd/</a>	<a href="https://doi.org/10.1103/PhysRevD.99.012016">10.1103/PhysRevD.99.012016</a>	yes
68	Energy dependence of exclusive $J/\psi$ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Eur.Phys.J.C</i> 79 (2019) 5, 402	2018	1434-6044	<a href="https://www.springer.com/journal/10052/">https://www.springer.com/journal/10052/</a>	<a href="https://doi.org/10.1140/epjc/s10052-019-6816-2">10.1140/epjc/s10052-019-6816-2</a>	yes

69	Measuring $K_S^0 \pm \Lambda^0$ interactions using pp collisions at $\sqrt{s_{NN}}=7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 790 (2019) 22-34	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.12.033">10.1016/j.physletb.2018.12.033</a>	yes
70	Event-shape engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 02 (2019) 150	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP02(2019)150">10.1007/JHEP02(2019)150</a>	yes
71	$\Lambda_c + \Lambda$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 793 (2019) 212-223	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2019.04.046">10.1016/j.physletb.2019.04.046</a>	yes
72	Jet fragmentation transverse momentum measurements from di-	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev	Physics	<i>JHEP</i> 03 (2019) 169	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP03(2019)169">10.1007/JHEP03(2019)169</a>	yes

	hadron correlations in $\sqrt{s_{NN}}=7$ TeV pp and $\sqrt{s_{NN}}=5.02$ TeV p-Pb collisions	S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
73	Study of $J/\psi$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 02 (2019) 012	2018	1126-6708	<a href="https://jhep.sissa.it/jhep/">https://jhep.sissa.it/jhep/</a>	<a href="https://doi.org/10.1007/JHEP02(2019)012">10.1007/JHEP02(2019)012</a>	yes
74	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider	L. Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.C 98 (2018) 3	2018	2469-9993	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	10.1103/PhysRevC.98.034918	yes
75	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}}=7.7, 11.5, 14.5, 19.6, 27, 39,$ and $62.4$ GeV	L. Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.Lett. 121 (2018) 3	2018	1079-7114	<a href="https://journals.aps.org/prl">https://journals.aps.org/prl</a>	10.1103/PhysRevLett.121.032301	yes
76	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from	Leszek Adamczyk,.....Pr of. Anju Bhasin....et al.,	Physics	Phys.Rev.D 97 (2018) 3	2018	2470-0029	<a href="https://journals.aps.org/prd">https://journals.aps.org/prd</a>	10.1103/PhysRevD.97.032004	yes

	polarized-proton collisions at $\sqrt{s}=500$ GeV	(STAR Collaboration)							
77	Beam-Energy Dependence of Directed Flow of $\Lambda$ , $\bar{\Lambda}$ , $K^0_s$ , $K^\pm$ and $\phi$ in Au+Au Collisions	Leszek Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.Lett. 120 (2018) 6	2018	1079-7114	<a href="https://journals.aps.org/prl">https://journals.aps.org/prl</a>	10.1103/PhysRevLett.120.062301	yes
78	Collision Energy Dependence of Moments of Net-Kaon Multiplicity Distributions at RHIC	L. Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Lett.B 785 (2018) 551-560	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.07.066	yes
79	Measurement of the $^3\Lambda$ H lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider	L. Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)		Phys.Rev.C 97 (2018) 5	2018	2469-9993	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	10.1103/PhysRevC.97.054909	yes
80	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p\uparrow+p$ collisions at $\sqrt{s_{NN}}=500$ GeV	L. Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Lett.B 780 (2018) 332-339	2018	0370-2693	<a href="https://www.journals.elsevier.com/physics-letters-b">https://www.journals.elsevier.com/physics-letters-b</a>	10.1016/j.physletb.2018.02.069	yes
81	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}}=200$ GeV	Leszek Adamczyk,.....Pr of. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.C 98 (2018) 1	2018	2469-9993	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	10.1103/PhysRevC.98.014915	yes
82	Beam energy dependence of rapidity-even dipolar flow	J. Adam,..... Prof. Anju	Physics	Physics Letters B 784 (2018)	2018	0370-2693	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/">https://doi.org/10.1016/</a>	Yes

	in Au+Au collisions	Bhasin....et al., (STAR Collaboration)					journal/physics-letters-b	j.physletb.2018.07.01 3	
83	Longitudinal Double-Spin Asymmetries for $\pi^0$ s in the Forward Direction for 510 GeV Polarized pp Collisions	Jaroslav Adam,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.D 98 (2018) 3	2018	2470-0010	<a href="https://journals.aps.org/prd">https://journals.aps.org/prd</a>	<a href="https://doi.org/10.1103/PhysRevD.98.032013">https://doi.org/10.1103/PhysRevD.98.032013</a>	Yes
84	$J/\psi$ production cross section and its dependence on charged-particle multiplicity in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Lett.B 786 (2018) 87-93	2018	0370-2693	<a href="https://www.sciencedirect.com/journal/physics-letters-b">https://www.sciencedirect.com/journal/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.09.029">https://doi.org/10.1016/j.physletb.2018.09.029</a>	Yes
85	Correlation Measurements Between Flow Harmonics in Au+Au Collisions at RHIC	J. Adam,..... Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Lett.B 783 (2018)	2018	0370-2693	<a href="https://www.sciencedirect.com/journal/physics-letters-b">https://www.sciencedirect.com/journal/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.05.076">https://doi.org/10.1016/j.physletb.2018.05.076</a>	Yes
86	Transverse spin transfer to $\Lambda$ and $\Lambda^-$ hyperons in polarized proton-proton collisions at $\sqrt{s_{NN}}=200$ GeV	J. Adam,..... Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev. D 98, 091103	2018	2470-0010	<a href="https://journals.aps.org/prd">https://journals.aps.org/prd</a>	<a href="https://doi.org/10.1103/PhysRevD.98.091103">https://doi.org/10.1103/PhysRevD.98.091103</a>	Yes



87	Low- $p_T$ $e^+e^-$ pair production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV and U+U collisions at $\sqrt{s_{NN}} = 193$ GeV at STAR	Jaroslav Adam,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys. Rev. Lett. 121, 132301	2018	0031-9007	<a href="https://journals.aps.org/prl">https://journals.aps.org/prl</a>	<a href="https://doi.org/10.1103/PhysRevLett.121.132301">https://doi.org/10.1103/PhysRevLett.121.132301</a>	Yes
88	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $\sqrt{s_{NN}} = 200$ GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	Phys.Rev.D 98 (2018) 3	2018	2470-0010	<a href="https://journals.aps.org/prd">https://journals.aps.org/prd</a>	<a href="https://doi.org/10.1103/PhysRevD.98.032011">https://doi.org/10.1103/PhysRevD.98.032011</a>	Yes
89	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p+p$ collisions at $\sqrt{s_{NN}} = 500$ GeV	L. Adamczyk,..... Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	<i>Phys.Lett.B</i> 780 (2018) 332-339	2018	0370-2693	<a href="https://www.sciencedirect.com/journal/physics-letters-b">https://www.sciencedirect.com/journal/physics-letters-b</a>	<a href="https://doi.org/10.1016/j.physletb.2018.02.069">https://doi.org/10.1016/j.physletb.2018.02.069</a>	Yes
90	Collision Energy Dependence of Moments of	L. Adamczyk,..... Prof. Anju	Physics	Physics Letters B 785 (2018)	2018	0370-2693	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/">https://doi.org/10.1016/</a>	Yes

	Net-Kaon Multiplicity Distributions at RHIC	Bhasin....et al., (STAR Collaboration)		551–560			journal/physics-letters-b	j.physletb.2018.07.066	
91	Improved measurement of the longitudinal spin transfer to $\Lambda$ & $\Lambda^0$ hyperons in polarized proton-proton collisions at $\sqrt{s_{NN}} = 200$ GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	<i>Phys.Rev.D</i> 98 (2018) 11	2018	2470-0010	<a href="https://journals.aps.org/prd">https://journals.aps.org/prd</a>	<a href="https://doi.org/10.1103/PhysRevD.98.112009">https://doi.org/10.1103/PhysRevD.98.112009</a>	Yes
92	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider	L. Adamczyk,.....Prof. Anju Bhasin....et al., (STAR Collaboration)	Physics	<i>Phys. Rev. C</i> 98, (2018)	2018	2469-9993	<a href="https://journals.aps.org/prc">https://journals.aps.org/prc</a>	<a href="https://doi.org/10.1103/PhysRevC.98.034918">https://doi.org/10.1103/PhysRevC.98.034918</a>	Yes
93	X-Ray Study of 7a-(2-Chlorophenyl)-7a,8a,9,10,11,12ahexadronaphtho[1',2':4,5]furo[3,2-d]pyrrolo[2,1-b]oxazole and 2-(4-fluorophenyl)-2-	Balbir Kumar, Narsaiah Battini, Qazi Naveed Ahmed, Asif Ali and Vivek	Post-Graduate Department of	<i>Crystallography Reports</i>	2018	1063-7745	<a href="https://www.springer.com/journal/11445">https://www.springer.com/journal/11445</a>	<a href="https://link.springer.com/article/10.1134/S1063774518030045">https://link.springer.com/article/10.1134/S1063774518030045</a>	Yes

	hydroxynaptho[2,1-b]furan-1(2H)-one	K. Gupta	Physic s, Unive rsity of Jamm u						
94	Crystal Structure of Ethyl 6-Amino-5-cyano-4-(4-fluorophenyl)-2,4-dihydropyrano[2,3-c]pyrazole-3-carboxylate	Balbir Kumar, Bubun Banerjee, Goutam Brahmachari, and Vivek K. Gupta	Post-Gradu ate Depart ment of Physic s, Unive rsity of Jamm u	<i>Crystallograph y Reports</i>	2018	1063-7745	<a href="https://www.springer.com/journal/11445">https:// www.springer.com/ journal/11445</a>	<a href="https://link.springer.com/article/10.1134/S1063774518030057">https:// link.springer.com/ article/10.1134/ S106377451803005 7</a>	Yes
95	Synthesis, crystal structure and DFT calculations of copper(I) complex of 2-nitrobenzaldehyde-N 1 – methylthiosemicarbazone	Dharmender Sharma, Suman Maji, Vivek K. Gupta& Rekha Sharma	Post-Gradu ate Depart ment of Physic s, Unive rsity of Jamm	<i>Indian Journal of Chemistry</i>	2018	0975-0975	<a href="http://op.niscair.res.in">http://op.niscair.res.in</a>	<a href="http://op.niscair.res.in/index.php/IJCA/article/view/17112/465478161">http:// op.niscair.res.in/ index.php/IJCA/ article/view/ 17112/465478161</a>	Yes

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96	Crystallographic structure analysis of 4-phenoxy-2-(4-(trifluoromethyl)phenyl) Quinazoline	Balbir Kumar, Naresh Sharma, Asif Ali, and Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>AIP Conference Proceedings</i>	2018	1551-7616	<a href="https://aip.scitation.org/journal/apc">https://aip.scitation.org/journal/apc</a>	<a href="https://aip.scitation.org/doi/abs/10.1063/1.5051271">https://aip.scitation.org/doi/abs/10.1063/1.5051271</a>	Yes
97	Camphor sulphonic acid mediated quantitative 1,3-diol protection of major Labdane diterpenes isolated from <i>Andrographis paniculata</i>	Venu Sharma , Kamal K. Kapoor, Debaraj Mukherjee , Vivek K. Gupta, Manoj K. Dhar and Sanjana Kaul	Post-Graduate Department of Physics, University of Jammu	<i>Natural Product Research</i>	2018	14786427	<a href="https://www.tandfonline.com/toc/gnpl20/current">https://www.tandfonline.com/toc/gnpl20/current</a>	<a href="https://www.tandfonline.com/doi/full/10.1080/14786419.2017.1402313?casa_token=pnqx7Z0YL8AAAAAA%3AhzPDGxqt8WnZkXIrGA7pMBeWk807E10f1Q7e0NjMRtwa7khcNI-eQVa_aAV2oQdqIgt7NUjN1bwYA">https://www.tandfonline.com/doi/full/10.1080/14786419.2017.1402313?casa_token=pnqx7Z0YL8AAAAAA%3AhzPDGxqt8WnZkXIrGA7pMBeWk807E10f1Q7e0NjMRtwa7khcNI-eQVa_aAV2oQdqIgt7NUjN1bwYA</a>	Yes

98	Synthesis, characterization, single crystal X-ray and DFT analysis of disubstituted phosphorodithioates	M.Kour, S.Kumar, A.Feddag, S.Andotra, A.Chouaih,, Vivek K.Gupta, R Kant, S.K.Pandey	Post-Graduate Department of Physics, University of Jammu	<i>Journal of Molecular Structure</i>	2018	0022-2860	www.journals.elsevier.com/journal-of-molecular-structure	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286017317234">https://www.sciencedirect.com/science/article/abs/pii/S0022286017317234</a>	Yes
99	A new clerodane furano diterpene glycoside from <i>Tinospora cordifolia</i> triggers autophagy and apoptosis in HCT-116 colon cancer cells	N. Sharma, A. Kumar, P.R. Sharma, A. Qayum, S. K. Singh, P. Dutt, S. Paul, Vivek K. Gupta, M. K. Verma, N.K. Satti, and R. Vishwakarma,	Post-Graduate Department of Physics, University of Jammu	<i>J. Ethnopharmacol</i>	2018	0378-8741	<a href="https://www.journals.elsevier.com/journal-of-ethnopharmacology">https://www.journals.elsevier.com/journal-of-ethnopharmacology</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0378874117325278">https://www.sciencedirect.com/science/article/abs/pii/S0378874117325278</a>	Yes
100	Iodine–NH <sub>4</sub> OAc mediated regioselective synthesis of 2-aryl-3-aryl	D. Kour, A. Gupta, K. K. Kapoor, Vivek	Post-Graduate	<i>Organic and Biomolecular</i>	2018	1477-0520	<a href="https://www.rsc.org/journals-books-databases/about-">https://www.rsc.org/journals-books-databases/about-</a>	<a href="https://pubs.rsc.org/en/content/">https://pubs.rsc.org/en/content/</a>	Yes

	imidazo[1,2-a]pyridines from 1,3-diaryl-prop-2-en-1-ones	K. Gupta, R. Kant, D. Singh and P. Das	Department of Physics, University of Jammu	<i>Chemistry</i>			journals/organic-biomolecular-chemistry/	articlelanding/2018/ob/c7ob02750h/unauth	
101	Molecular modeling, spectroscopic investigations, and computational studies of DMSO Solvated 7-amino-1,3-dimethyl-2,2,4-trioxo-1,2,3,4,4a,8a-tetrahydrospiro [indoline-3,5-pyrano[2,3-d]pyrimidine]-6-carbonitrile	Sakshi Sharma, G. Brahmachari, A. Kumar, N. Misra, R. Kant, Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>Journal of Structural Chemistry</i>	2018	0022-4766	<a href="https://www.pleiades.online/en/journal/jory/">https://www.pleiades.online/en/journal/jory/</a>	<a href="https://link.springer.com/article/10.1134/S0022476618010389">https://link.springer.com/article/10.1134/S0022476618010389</a>	Yes
102	Stereoselective Synthesis of 3,4-Di-substituted Mercaptolactones via Photoredox-Catalyzed Radical Addition of Thiophenols	Farzana Kouser, Vijay Kumar Sharma, Masood Rizvi, Shaista Sultan, Neha Chalotra, Vivek K. Gupta, Utpal Nandi and	Post-Graduate Department of Physics, Unive	<i>Tetrahedron Letters</i>	2018	0040-4039	<a href="https://www.journals.elsevier.com/tetrahedron-letters">https://www.journals.elsevier.com/tetrahedron-letters</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0040403918305161">https://www.sciencedirect.com/science/article/abs/pii/S0040403918305161</a>	Yes

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103	Investigation of quasi-particle structure of proton-hole indium nuclei	Singh, Suram;Kumar, Amit;Gupta, Surbhi;Bharti, Arun;Bhat, G. H.;Sheikh, J. A.	Physic s	European Physical Journal Plus	2018	2190-5444	<a href="https://www.springer.com/journal/13360">https:// www.springer.com/ journal/13360</a>	<a href="https://link.springer.com/article/10.1140/epjp/i2018-12271-y">https:// link.springer.com/ article/10.1140/ epjp/i2018-12271-y</a>	Yes
104	Projected Shell Model Description of Positive Parity Band of <sup>130</sup> Pr Nucleus	Singh, Suram;Kumar, Amit;Singh, Dhanvir;Sharma, Chetan;Bharti, Arun;Bhat, G. H.;Sheikh, J. A.	Physic s	Brazilian Journal of Physics	2018	1678-4448	<a href="https://www.springer.com/journal/13538">https:// www.springer.com/ journal/13538</a>	<a href="https://link.springer.com/article/10.1007/s13538-017-0541-9">https:// link.springer.com/ article/10.1007/ s13538-017-0541-9</a>	Yes

105	Preparation mechanism for neodymium doped strontium phosphate and its spectroscopic, optical and electrical characteristics	Bindu Raina, Seema Verma, Goldy Slathia, Rashmi Gupta, K. K. Bamzai	Department of Physics	International Journal of ChemTech Research	2018	2455-9563	<a href="https://sphinxsai.com/index.htm">https://sphinxsai.com/index.htm</a>	10.20902/IJCTR.2018.110813	Scopus
106	Effect of Ni addition on PNZT tungsten bronze structure	Rashmi Gupta, Deepa Singh, Ranjan K Singh, K. K. Bamzai	Department of Physics	Journal of Electroceramics	2018	1385-3449	<a href="https://www.springer.com/journal/10832">https://www.springer.com/journal/10832</a>	10.1007/s10832-018-0125-2	Scopus
107	Preparation, structural, spectroscopic and magneto-electric properties of multiferroic cadmium doped neodymium manganite	Vandana Gupta, Bindu Raina, K. K. Bamzai	Department of Physics	Journal of Materials Science: Materials in Electronics	2018	0957-4522	<a href="https://www.springer.com/journal/10854">https://www.springer.com/journal/10854</a>	10.1007/s10854-018-8913-7	Scopus
108	Structural, optical, electrical and thermal characteristics of $\text{La}\{\text{CS}(\text{NH}_2)_2\text{CO}(\text{NH}_2)_2\}\text{Cl}_3$ : A novel hybrid complex for optoelectronic applications	Goldy Slathia, K. K. Bamzai	Department of Physics	Materials Science and Engineering B	2018	0921-5107	<a href="https://www.journals.elsevier.com/materials-science-and-engineering-b">https://www.journals.elsevier.com/materials-science-and-engineering-b</a>	10.1016/j.mseb.2018.12.017	Scopus
109	Study of yrast bands and electromagnetic properties in neutron-rich $^{114-128}\text{Cd}$ isotope	Ritu Chaudhary, Rakesh K. Pandit, Rani Devi and S.K.	Physics	Nuclear Physics A	2018	ISSN: 0375-9474	<a href="https://www.sciencedirect.com/journal/nuclear-">https://www.sciencedirect.com/journal/nuclear-</a>	<a href="https://doi.org/10.1016/j.nuclphysa.2017.11">https://doi.org/10.1016/j.nuclphysa.2017.11</a>	UGC Care list/



		Khosa					<a href="#">physics-a</a>	<a href="#">.003</a>	Scopus/Web of Science
110	Study of structure of yrast bands of neutron rich <sup>114-124</sup> Pd isotopes	Ritu Chaudhury, Rani Devi and S. K. Khosa	Physics	The European Physical Journal Plus	2018	ISSN: 2190-5444 (Electronic Edition)	<a href="https://epjplus.epj.org/">https://epjplus.epj.org/</a>	<a href="https://doi.org/10.1140/epjp/i2018-11902-7">https://doi.org/10.1140/epjp/i2018-11902-7</a>	UGC Care list/ Scopus/Web of Science
111	Performance analysis of ZnO and HfO <sub>2</sub> micro-pillars based capacitive antennas	Rajat Arora, Shashi B Rana, Sandeep Arya	Physics	Journal of Electromagnetic Waves and Applications	2018	0920-5071	<a href="https://www.tandfonline.com/doi/abs/10.1080/09205071.2017.1415823?journalCode=tewa20">https://www.tandfonline.com/doi/abs/10.1080/09205071.2017.1415823?journalCode=tewa20</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/09205071.2017.1415823?journalCode=tewa20">https://www.tandfonline.com/doi/abs/10.1080/09205071.2017.1415823?journalCode=tewa20</a>	
112	Sol-gel synthesis of Cu-doped p-CdS nanoparticles and their analysis as p-CdS/n-ZnO thin film photodiode	Sandeep Arya, Asha Sharma, Bikram Singh, Mohammad Riyas, Pankaj Bandhoria, Mohammad Aatif, Vinay Gupta	Physics	Optical Materials	2018	0925-3467	<a href="https://journals.elsevier.com/optical-materials">journals.elsevier.com/optical-materials</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0925346718301629">https://www.sciencedirect.com/science/article/abs/pii/S0925346718301629</a>	
113	Electrochemical detection of ammonia solution using tin oxide nanoparticles synthesized via sol-gel route	S Arya, M Riyas, A Sharma, B Singh, Prerna, P Bandhoria, S Khan, V Bharti	Physics	Applied Physics A	2018	0947-8396	<a href="https://www.springer.com/journal/339">https://www.springer.com/journal/339</a>	<a href="https://link.springer.com/article/10.1007/s00339-018-1968-8">https://link.springer.com/article/10.1007/s00339-018-1968-8</a>	

114	Performance analysis of Wi-Fi shaped SIW antennas	Rajat Arora, Shashi B Rana, Sandeep Arya	Physics	AEU- International Journal of Electronics and Communication s	2018	1434-8411	<a href="https://www.journals.elsevier.com/aeu-international-journal-of-electronics-and-communications">https:// www.journals.elsevier.co m/aeu-international- journal-of-electronics- and-communications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1434841118304333">https:// www.sciencedirect.c om/science/article/ abs/pii/ S1434841118304333</a>	
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