

## Teacher's Achievement 2020-2021

### Papers published in UGC listed journals

S.N .	Level/type (national/international)	Papers published in UGC listed journals (in APA format)	Citations	h-index*	Impact factor range/Average Impact factor *	Web-Link
1	International	Rachana kumar, Seema Gupta, Savita Sharma, Fresnel's equations in transition from single to multiple interfaces and evaluation of optical parameter" Sambodhi, Vol 43,4,131, 2249-6661 July-September ISSN: 2249-6661 (2020)		2	5.8	<a href="https://www.researchgate.net/publication/348456621_Fresnel's_equations_in_transition_from_Single_to_Multiple_Interfaces_and_Evaluation_of_Optical_parameters">https://www.researchgate.net/publication/348456621_Fresnel's_equations_in_transition_from_Single_to_Multiple_Interfaces_and_Evaluation_of_Optical_parameters</a>
2	International	Bassi M., Bharadvaja A. and Baluja K. L., A study of electron scattering from 1-1 C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> from 0.1eV to 5keV, Eur. Phys. J. D, Vol. 74, pg 232(2020)	1	89	1.366	<a href="https://drive.google.com/open?id=1A8x31g6eNTSaTBkPXM77tuj2lhqi-l5n">https://drive.google.com/open?id=1A8x31g6eNTSaTBkPXM77tuj2lhqi-l5n</a>
3	International	Desraj Singh, Pawan Kumar, Jitender Singh, Dharm Veer, Aravind Kumar, Ram S. Katiyar 8 January 2021, Vol-3, Issue-1, Article-46	-	-	1	<a href="https://doi.org/10.1007/s42452-020-04097-9">https://doi.org/10.1007/s42452-020-04097-9</a>
4	International	Srivastava T. and Jha R., Plexcitonic nose based on an organic semiconductor. Applied Physics Letters.	1	401	3.597	<a href="https://doi.org/10.1063/5.0019027">https://doi.org/10.1063/5.0019027</a>

		vol. 117, pp-093301 (ISSN 1077-3118) (2020)				
5	International	Srivastava T. and Jha R., (2021) "Tailoring Surface Plasmon-Exciton Polariton for High-Performance Refractive Index Monitoring", Journal of Optics, vol. 23, pp. 045001.	0	95	2.379	<a href="https://iopscience.iop.org/article/10.1088/2040-8986/abd983/meta">https://iopscience.iop.org/article/10.1088/2040-8986/abd983/meta</a>
6	International	Sharma S., Sharma A., Gupta V., Puri N. K. and Tomar M., Comparison of Ferroelectric Photovoltaic Performance in BFO/BTO Multilayer Thin Film Structure Fabricated Using CSD & PLD Techniques, Journal of Electronic Materials, volume 50, pages1835–1844 (2021), ISSN: 0361-5235	0	87	1.774	<a href="https://doi.org/10.1007/s11664-021-08793-z">https://doi.org/10.1007/s11664-021-08793-z</a>
7	International	Lamichhane S., Sharma S., Tomar M., Kumar A. and Gupta V., Influence of laser fluence in modifying energy storage property of BiFeO3 thin film capacitor, Journal of Energy Storage Volume 32,	0	42	3.762	<a href="https://doi.org/10.1016/j.est.2020.101769">https://doi.org/10.1016/j.est.2020.101769</a>

		101769 (2020) ISSN: 2352-152X				
8	International	Lamichhane S., Sharma S., Tomar T., and Gupta V. Effect of laser fluence on multiferroic BiFeO <sub>3</sub> ferroelectric photovoltaic cells, Journal of Physics and Chemistry of Solids, Volume 146, 2020, 109602, ISSN 0022-3697V.	2	108	3.442	<a href="https://doi.org/10.1016/j.jp cs.2020.109602">https://doi.org/10.1016/j.jp cs.2020.109602</a>
9	International	Kria, M., Varsha, Farkous, M. , Prasad, V. , Dujardin, F. , Pérez, L., M. ,Laroze, D. , Feddi, E. , (2021) Wetting layer and size effects on the nonlinear optical properties of semi oblate and prolate Si <sub>0.7</sub> Ge <sub>0.3</sub> /Si quantum dots, Current Applied Physics, 25, 1-11, 15671739	1	86	2.281	<a href="https://doi.org/10.1016/j.c ap.2021.02.004">https://doi.org/10.1016/j.c ap.2021.02.004</a>
10	International	Varsha,Kria,M Hamdaoui, J.F,Perez,L.M, Prasad,V, El- Yadri, M,Laroze,D,Feddi, E, Quantum Confined Stark Effect on the linear and Nonlinear Optical properties of SiGe/Si Semi Oblate and Prolate Quantum Dots	1	86	2.281	<a href="https://doi.org/10.1016/j.c ap.2021.02.004">https://doi.org/10.1016/j.c ap.2021.02.004</a>

		Grown in Si Wetting Layer, Nanomaterials-2021,11(6)1513, ISSN: 20794991				

### Papers published in peer reviewed journals

S. N.	Level/type (national/international)	Papers published in UGC listed journals (in APA format)	Citations	h-index*	Impact factor range/Average Impact factor*	Web-Link
1	National	Bindal P. and Srivastava T. (2020). "Physics Education: Optics in Everyday Life" Yearly Academic Journal, Vol. XIX, pp. 42-49, ISSN: 2348-9014	NA	NA	NA	<a href="https://drive.google.com/open?id=1Mg5olE7YrHj3A8cl7OZ1E3aG5pXw_NNB">https://drive.google.com/open?id=1Mg5olE7YrHj3A8cl7OZ1E3aG5pXw_NNB</a>
2	International	Bindal P. and Srivastava T. (2021). "Experimental study of radiation patterns of LEDs: A Tutorial", Asian Journal of Physics, ISSN 0971-3093 vol. 30	NA	NA	NA	<a href="https://drive.google.com/open?id=1a-CJYfusyaCjyS9PxbvJVwkArNE9T5">https://drive.google.com/open?id=1a-CJYfusyaCjyS9PxbvJVwkArNE9T5</a>
3	National	Bassi M., Gulati S., Sharma S. (2020), Designing and Analysis of Swamped Transistor Amplifier and Study of Effect of Swamping on Gain Stabilization, Yearly Academic Journal, Volume XIX, pg 20-34, ISSN : 2348-9014	NA	NA	NA	<a href="https://www.kalindicollege.in/wp-content/uploads/2020/11/Yearly-Academic-Journal-Final.pdf">https://www.kalindicollege.in/wp-content/uploads/2020/11/Yearly-Academic-Journal-Final.pdf</a>
4	National	Srivastava T. and Bindal P. (2020). "Aiding Physics Education through Simulations: An Alternative Approach" Yearly Academic Journal, Vol. XIX, pp. 61-67, ISSN: 2348-9014				<a href="https://drive.google.com/open?id=1Mf0tahJRNEBpR6VGMn7f2xoW9nnUCwNv">https://drive.google.com/open?id=1Mf0tahJRNEBpR6VGMn7f2xoW9nnUCwNv</a>

5	National	P Verma,R Gupta,C V Ahmad and K Chakraborty, An Introduction to X-Rays based Investigation of Superheavy System, Yearly Academic Journal, Vol XIX, 2020, ISSN: 2348-9014	-	-	-	-
6	International	Srivastava T. and Bindal P. (2021). "Comprehensive study of propagation characteristics of lossy metamaterial based planar waveguides", Asian Journal of Physics, ISSN 0971-3093 vol. 30	NA	NA	NA	<a href="https://drive.google.com/open?id=1j7y_yGqwhxjOLmCyaym42nZyHf2q2nr7">https://drive.google.com/open?id=1j7y_yGqwhxjOLmCyaym42nZyHf2q2nr7</a>

**Monographs, Books, Chapters in National/International books with ISBN number.**

S.N.	Level/type (national/international)	Monographs, Books, Chapters in books Published with ISBN	Citations	h-index*	Impact factor range/Average Impact factor*	Web-Link
1	International	Dr Savita Sharma Sustainable Material Solutions for Solar Energy Technologies Chapter-6(An Overview on Ferroelectric Photovoltaic Materials"),ISBN: 9780128215920, Elsevier	-	-	-	-

**Papers in National/International Conference Proceedings per Teacher during the year**

S. N.	Level/type (national/international)	Publication details ISBN number/place/ publisher's name (in APA format)	Citations	h-index*	Impact factor range/Average Impact factor*	Web-Link
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1	International	Dr Punita Verma C. V Ahmad, R Gupta, K Chakraborty, G R Umapathy, and P. Verma presented“Elemental thin films for exploring collision-induced atomic processes” atInternationalConference (Online) on Advanced Functional Materials and Devices (AFMD- 2021),organized by Department of Physics and Internal quality assurance cell, Atma RamSanathan Dharma College, University of Delhi, Dhaula Kuan, New Delhi, India from03-05 March, 2021,Abstract Book Pg no. 88.	NA	NA	NA	<a href="https://drive.google.com/open?id=1rgpeJxIeKkhyGj73dazp93jy110QN5Yx">https://drive.google.com/open?id=1rgpeJxIeKkhyGj73dazp93jy110QN5Yx</a>
2	International	Dr Punita Verma C. V Ahmad, G R Umapathy, R Gupta, K Chakraborty, and P. Verma presented“Study of thickness dependent surface morphology of carbon backed Sn thin films” atInternational Conference (Online) on Ion Beams in Materials Engineering and Cha-racterizations (IBMEC-2020), organized by Inter-University Accelerator centre, NewDelhi, India from 08-11 December, 2020,Abstract Book Pg no. 97	NA	NA	NA	<a href="https://drive.google.com/open?id=1htZF16Pe9yLMx-9Nd-r5Ta6LOmIVFO9P">https://drive.google.com/open?id=1htZF16Pe9yLMx-9Nd-r5Ta6LOmIVFO9P</a>
3	International	Dr Punita Verma Ruchika Gupta, Kajol Chakraborty,Ch. Vikar Ahmad, Mohineet Kaur, G R Um-apathy, Sunil Ojha and Punita Verma presented “Role of high purity thin films inX-ray based investigations of ion-atom collisions” atInternational Conference on Ad-vances in Smart Materials and Emerging Technologies, jointly organized by Researchand Consultancy Wing, Department of Applied Sciences and Humanities and OSAS tudent Chapter of Indira Gandhi Technical University for Women, Delhi, India from23-24 January, 2020,ISBN:978-81-85255-67- 5.Abstract Book Pg no. 127	NA	NA	NA	<a href="https://drive.google.com/open?id=1uQ-6PzrdmdL7PkIBbaXGpAvb-F5hH9Nt">https://drive.google.com/open?id=1uQ-6PzrdmdL7PkIBbaXGpAvb-F5hH9Nt</a>
4	Online International Conference on	Dr Punita Verma “Advanced Functional Materials and Devices (AFMD-20 21),  Date: 03-05 <sup>th</sup> March 2021	NA	NA	NA	NA

2	Online International Conference	Dr Punita Verma Smart Materials and Emerging Technologies 23rd -24th January, 2020 In Association With: ASMET-2020	NA	NA	NA	NA
3	Online International Conference	Dr Punita Verma, Ion Beams in Materials Engineering and Characterizations (IBMEC-2020) December 8-11, 2020	NA	NA	NA	NA

**Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at state, national and international levels.**

Name of Faculty	Resource Person for (Refresher courses, Orientation courses, Seminars, Workshops, Conferences)	Levels (National/ International/ State/University/College)
Dr. Rachana Kumar	Skill enhancement by ICT learning in the period of online knowledge exchange Organized By Department of physics and IQAC, Kalindi College	National
	Learning Physics with Conceptual & Problem-based Approach Organized By The National Academy of Sciences India (NASI) - Delhi Chapter.	National
	An 11-week Course (July 27, 2020 to October 11, 2020) on Learning Physics with Conceptual & Problem-based Approach Organized By The National Academy of Sciences India (NASI) - Delhi Chapter	National
	Challenges of teaching Physics Laboratory courses in Online mode Organized By Department of Physics, Kalindi College and National Academy of Sciences, Delhi	National

	Colloquium.mp4 Organised by Physithon, Physics Society.	University
Dr. Pushpa Bindal	An 11-week Course (July 27, 2020 to October 11, 2020) on Learning Physics with Conceptual & Problem-based Approach Organised by The National Academy of Sciences India (NASI) - Delhi Chapter	National
	National Workshop on "Challenges of Teaching Physics Laboratory Courses in Online Mode" Organized By IQAC & Physics Department of Kalindi College	National
	Skill enhancement by ICT learning in the period of Online Exchange Organized By IQAC & Physics Department, Kalindi College	National
	NAEST 2020 Organized By National Anveshika Network of india	National
Dr. Sudha Gulati	11 week course on Learning Physics with conceptual and problem based approach Organised By NASI	National
	Skill Enhancement by ICT Learning in the period of Online Knowledge Exchange Organized By Department of Physics and IQAC, Kalindi College	National
	Online prelims of National Anveshika Experimental Skill Test 2020 Organized By National Anveshika Network of India and Vigyan Prasar	National
	Video making competition "COLLOQUIUM.mp4" Organised By PHYSITHON	College



Dr. Seema Gupta	Skill enhancement by ICT learning in the period of online knowledge exchange Organized By Physics Deptt, IQAC, Kalindi College	National
	Learning Physics with conceptual and problem solving approach Organised By NASI	National
	Challenges of Teaching Physics laboratory courses in online mode Organised By Physics Deptt, IQAC, Kalindi College, NASI	National
Dr. Monika Bassi	Two days' workshop on "Skill Enhancement by ICT Learning in the Period of Online Knowledge Exchange" Organized By Department of Physics and IQAC, Kalindi College, University of Delhi	University
	"COLLOQUIUM.mp4" Organized By PHYSITHON - The Physics Society	College
Dr.Punita Verma	"Radiation Physics Laboratory" 3 days National workshop on "Challenges of teaching Physics Laboratory Courses in Online mode" Department of Physics, Kalindi College, Department of Physics and Astrophysics, University of Delhi and The National Academy of Sciences India (NASI) - Delhi Chapter	National
	"Elements of Modern Physics laboratory", 3 days online National workshop on "Challenges of teaching Physics Laboratory Courses in Online mode" Department of Physics, Kalindi College, Department of Physics and Astrophysics, University of Delhi and The National Academy of Sciences India (NASI) - Delhi Chapter	National

	<p>1. Local Coordinator for “Online Prelims of National Anveshika Experimental Skill Test 2020”</p> <p>1. “Online Prelims of National Anveshika Experimental Skill Test 2020” National Anveshika Network of india &amp; Vigyan Prasar, NAEST 2020,</p>	National
	<p>Organising committee member “Exploring Physics with experts” Department of Physics, Kalindi College &amp; The National Academy of Sciences India (NASI) - Delhi Chapter</p>	National
	<p>Paper presentations by students "Bharat Manthan" Sanskrit and Department of Historical studies (JNU) and Indraprastha Adhhyayan Kendra, Delhi</p>	National
	<p>"Organizing meeting through Google Meet and Zoom :Enhancing Computer Skills to use in lab ” Skill Enhancement by ICT Learning in the Period of Online Knowledge Exchange Department of Physics and IQAC, Kalindi College, DU.</p>	National
Dr. Triranjita Srivastava	<p>Learning Physics with Conceptual &amp; Problem-based Approach Organized By The National Academy of Sciences India (NASI) - Delhi Chapter</p>	National
	<p>Challenges of teaching Physics Laboratory Courses in Online mode Organized By Department of Physics, Kalindi College, Department of Physics and Astrophysics, University of Delhi and The National Academy of Sciences India (NASI) - Delhi Chapter</p>	National

	Evaluator for “Online Prelims of National Anveshika Experimental Skill Test 2020” Organized by National Anveshika Network of India & Vigyan Prasar, NAEEST 2020 during October 2020	National
Mr. Ankur Anand	“E-Content Generation and Managing Online Teaching Organized By Mahatma Hansraj Faculty Development Centre, Hansraj College	National
	Moving Towards New Normal with Effective Online Teaching Organized By Kalindi College, University of Delhi	National
Dr. Savita Sharma	An 11-week Course (July 27, 2020 to October 11, 2020) on Learning Physics with Conceptual & Problem-based Approach Organised By The National Academy of Sciences India (NASI) - Delhi Chapter	National

**Details of teachers attended Refresher/Orientation/short term courses.**

Name of Faculty	Name of course and organizing body	Duration From -To
Dr. Rachana Kumar	Ref No. RTU/TEQIP-III/F56/2020-MATLAB and It's Applications, Five Days TEQIP-III Sponsored Online Workshop, Ref No. RTU/TEQIP-III/F56/2020-21/5545-51/SBCET/WORKSHOP/MATLAB/62 Organizing body Rajasthan Technical University, Kota Sri Balaji College of Engineering and Technology	04/01/2021 to 08/01/2021, five days
Dr. Pushpa Bindal	One week online teaching-learning workshop on Design, Development, delivery of e-content and online assessment. Organizing Body Institute of Development and Communication, Chandigarh.	20 Jul - 25 Jul 2020
Dr. Seema Gupta	Matlab and its applications. Organizing Body Sri Balaji college of Engineering and technology, Jaipur	4.1.21-8.1.21

Dr. Monika Bassi	An International online course on programming skills - "Scilab: The First Course [Beginners to Intermediate]. Organizing Body Udemy Inc. – ‘An American massive open online course provider aimed at professional adults and students’	13.01.2021-04.03.2021
Dr.Punita Verma	"Innovation in Scientific Research Methods" Organized By Kirorimal College, University of Delhi under the aegis of DBT Star College scheme 2019-2022.	14-18 October 2020.
Dr.Triranjita Srivastava	MATLAB and It's Applications. Organizing Body Rajasthan Technical University, Kota and Sri Balaji College of Engineering and Technology, Jaipur	January 4 – 8, 2021
Dr. Savita Sharma	One Week Short Term Training Programme through ICT Mode on Teaching – Learning Process using Instructional Media organised by National Institute of Technical Teachers Training and Research (NITTTR) Kolkata	31st May to 4th June, 2021
Dr. Savita Sharma	One Week Short Term Training Programme through ICT Mode on Numerical and Statistical Methods with SCILAB organised by National Institute of Technical Teachers Training and Research (NITTTR) Kolkata	June 21-25, 2021
Dr. Savita Sharma	Two Week Short Term Training Programme through ICT Mode on "Design and Development of Content for e-Learning" organised by National Institute of Technical Teachers Training and Research (NITTTR) Kolkata	June 14-25, 2021

**Details of teachers presented paper in Seminars, Workshops, Conferences at national and international levels.**

Name of Faculty	Presented in (Seminars, Workshops, Conferences)	Levels (International /National/State/ University/College /local)

Dr. Rachana Kumar	<p>Single Walled Carbon Nanotube as Effective Environmental Sensor for Toxic Gases NO<sub>2</sub> and NH<sub>3</sub>'</p> <p>Name of Event</p> <p>Virtual Conference on Contemporary Research in Physics 2020</p> <p>Organized By</p> <p>Post Graduate Department of Physics Vijaya College, R V Road, Bangalore -560004</p> <p>On</p> <p>17th-19thDecember, 2020</p>	National
	<p>Fresnel's equations in transition from Single to Multiple interfaces and evaluation of optical parameters</p> <p>Name of Event</p> <p>“Continuity, Consistency and Innovation in Applied Sciences and Humanities” (ICCIASH-2020)</p> <p>Organized By</p> <p>Department of Science and Humanities , St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India .</p> <p>.On</p> <p>13th&amp; 14th August 2020</p>	International
	<p>Study of Adsorption kinetics of pristine and functionalized carbon nanotubes for NH<sub>3</sub> and NO<sub>2</sub> gases</p> <p>Name of Event</p> <p>Recent Advances in Functional Materials (RAFM-2020)</p> <p>Organized By</p> <p>ATMA RAM SANATAN DHARMA COLLEGE (University of Delhi)</p> <p>On</p> <p>5-6th November 2020</p>	National
Dr. Pushpa Bindal	<p>“Curriculum for Multifaceted Development” Name of Event</p> <p>8th Annual Convention Organized By</p> <p>Indian Association of Physics Teachers, Regional Council (Delhi &amp; Haryana)Held on</p> <p>10th &amp; 11th October 2020</p>	National
	<p>“Four Year UG Course: Fluidity and Merits” 8th Annual Convention</p> <p>Organized By</p> <p>Indian Association of Physics Teachers, Regional Council (Delhi &amp; Haryana) Held on</p> <p>10th &amp; 11th October 2020</p>	National
Dr. Seema Gupta	Fresnel's equations in transition from single to multiple interfaces and evaluation of optical parameters	International

	<p>Name Of Event International conference as "continuity, consistency and innovation in applied sciences and humanities" Organized By Deptt of science and humanities, St. Martin Engineering college, Secundrabad. Held on 14.8.20</p>	
	<p>Study of adsorption kinetics of pristine and functionalized carbon nanotubes for NH<sub>3</sub> and NO<sub>2</sub> gases Name Of Event Recent advances in functional materials Organized By ARSD College, Delhi University Held on 5-6 November, 2020</p>	National
	<p>Single walled carbon nanotube as effective environmental sensor for toxic gases NO<sub>2</sub> and NH<sub>3</sub> Name Of Event Virtual conference on contemporary research in Physics 2020 Organized By Post graduate Deptt of Physics, Vijya College, Bangalore Held on 17-19 Dec, 2020</p>	National
Dr.Punita Verma	<p>"Elemental thin films for exploring collision-induced atomic processes" International Conference (Online) on Advanced Functional Materials and Devices (AFMD-2021) Organized By Department of Physics and Internal Quality Assurance Cell, Atma Ram Sanatan Dharma College, University of Delhi, Dhaula Kuan, New Delhi, India</p>	International
	<p>"Study of thickness dependent surface morphology of carbon backed Sn thin films" International Conference (Online) on Ion Beams in Materials Engineering and Characterizations (IBMEC-2020) Organized By Inter-University Accelerator centre, New Delhi, India.</p>	International
Dr.Triranjita Srivastava	<p>Curriculum for Multifaceted Development Name Of Event 8th Annual Convention Organized By Indian Association of Physics Teachers, Regional Council (Delhi &amp; Haryana) Held on 11.10.2020</p>	State
	<p>Four Year UG Course: Fluidity and Merits Name Of Event 8th Annual Convention Organized By Indian Association of Physics Teachers, Regional Council (Delhi &amp; Haryana) Held on</p>	State

	11.10.2020	
Dr. Savita Sharma	Bipolar Resistive Switching in Magnetostrictive Ni/PZT/Pt Structure for Non-Volatile Memory Applications. Name Of Event International Conference on Nanoscience and Nanotechnology (ICONN-2021) Organized By SRM Institute of Science and Technology, Kattankulathur Held on 01-03 February 2021	International
	Investigation of Adulteration in Milk Using Surface Plasmon Resonance Name Of Event International Conference on Nanoscience and Nanotechnology (ICONN-2021) Organized By SRM Institute of Science and Technology, Kattankulathur, Held on 01-03 February 2021	International

**Details of teachers attended Seminars, Workshops, Conferences at national and international levels.**

Name of Faculty	Attended in ( Seminars, Workshops, Conferences)	Levels (International /National/State/ University /College /local)
Dr. Rachana Kumar	“Introduction to Nuclear Energy and its Applications”, Name of Event “Fundamentals and Applications of Physics” Organized By Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) Department of Physics On October 17, 2020	National
	Recent trends in Material Science Event organized by Department of Physics, Shivaji College, university of Delhi Held on Oct 9, 2020	International
	Hypertension and COVID-19: A Cardiologist’s Perspective Event organized by SWAMI SHRADDHANAND COLLEGE University of Delhi Held on July 3, 2020	National
	Convener, New educational policy 2020, Transformational features Event organized by Kalindi College Held on December 11, 2020	National

Dr. Pushpa Bindal	Faculty Enrichment Webinar for Physics Teachers in Higher Education Event organized by National Resource Centre for Education, NIEPAHeld on March 12, 2021	National
	Feedback, SSS, Innovative and Distinctive Practices Event organized by H.V Desai College, IQAC Cluster India and White CodeHeld on 19-21 May 2021	National
	New Education Policy 2020: Transformational Features and Challenges Event organized by IQAC , Kalindi CollegeHeld on 11 Dec 2020	National
	Exploring Physics with Experts Event organized by Physics Department, Kalindi College & NASI Delhi ChapterHeld on 10 Feb 2021	National
	Challenges of Teaching Physics Laboratory Courses in Online Mode Event organized by IQAC & Physics Department, Kalindi CollegeHeld on 23 Jan - 25 Jan 2021	National
	Physics in Everyday Life Event organized by B.M.S College For Women, Bengaluru Held on 2nd March 2021	National
	Wave Optics II: Polarization Event organized by Indian Association of Physics Teachers( Delhi & Haryana)	National
	Electrostatics I Event organized by Indian Association of Physics Teachers( Delhi & Haryana)Held on 11 July 2020	National
	Electrostatics II Event organized by Indian Association of Physics Teachers(Delhi & Haryana) Held on 25 July 2020	National
	Magnetism and Matter Event organized by Indian Association of Physics Teachers( Delhi & Haryana)Held on 4th August 2020	National
	Awareness Program on National Digital Library of India (NDLI) Organized by NDLI & Library, Kalindi CollegeHeld on 10 Jul- 12 Jul 2020	National
	National online Experimental Workshop on Simulation in Physics Organized by IAPT _ Asian Physics Olympiad Cell) Held on 10 Jul- 12 Jul 2020	National
	Virtual Summit Series of Microsoft Products Organized By Society for Information Research & Studies Held on 4th July 2020	National
	Workshop on "Optics & Photonics- Theory & Computational Techniques" Organized By IIT Roorkee	National
	International Webinar on the topic "Photonics Revolution" Organized By Raj Kumar Goel Institute of Technology, Ghaziabad Held on 12 Aug 2020	International



	Mentoring Teachers for Effective Online Teaching Organized by Daulat Ram College, University of Delhi Held on 4 Jul 2020	National
	Engineered Nanostructures for therapeutic and Biomedical Applications Organized By RPS Degree College, Mahendragarh Held on 3 July 2020.	International
Dr. Sudha Gulati	New Education Policy 2020: Transformational Features and Challenges Organized By IQAC, Kalindi college Held on 12/12/2020	College
	Lockdown , children and the role of media Organized By Department of Journalism and IQAC , Kalindi College Held on 3 July 2020	National
Dr. Seema Gupta	New education policy 2020, Transformation and challenges . Organized By Kalindi college, IQAC Held on 11.12.21	State
Dr. Monika Bassi	Webinar on “New Education Policy 2020 Transformational Features and Challenges” Organized By IQAC, Kalindi College, University of Delhi Held on Dec. 11, 2020.	National
Dr. Punita Verma	“UNRAVELLING MYSTERIES OF THE UNIVERSE WITH EXPERTS” Organized By Maitreyi College, University of Delhi Held on March 4, 2021	International
	“Geopolitics of Vaccine: Access, R & D and Manufacturing,” UNITA VERMA Organized by Kalindi College Held on 22 June, 2021	National
	8th Annual Convention of IAPT, Regional Council (Delhi & Haryana) Organized By the Indian Association of Physics Teachers, Regional Council (Delhi & Haryana) Held on 10th & 11th October 2020	National
	“Exploring Physics with experts” Organized By Department of Physics, Kalindi College & The National Academy of Sciences India (NASI) - Delhi Chapter Held on 10 Feb. 2021.	National
	5th Annual conference of NMPAI “Organized By Nuclear Medicine Physicist Association India (NMPAI) in joint collaboration with Council of Nuclear Medicine Science and Technology (CNMST) Held on 13, 14 Feb 2021	National
	“New Education Policy 2020: Transformational Features and Challenges” Organized By IQAC, Kalindi College Held on 11 Dec. 2020	State
	3 days National workshop on “Challenges of teaching Physics Laboratory Courses in Online mode”, Organized by Department of Physics, Kalindi College, Department of Physics and Astrophysics, University of Delhi and The National Academy of Sciences India (NASI) - Delhi Chapter Held on 23-25/1/2021	National

	5th Annual conference of NMPAI Organized by Nuclear Medicine Physicist Association India (NMPAI) in joint collaboration with Council of Nuclear Medicine Science and Technology (CNMST) Held on 13,14/2/2021	National
	"Chemical Bonding: Connecting Academia with industry' Organized by UGC-FRP's university faculty association Held on 27/10/2020	National
	"Wind Tunnel Testing" Organized by Global Learners Meet; An initiative of Varshney Teachers' Group Held on 26/6/2021	National
	Science Academies Online Lecture Workshop On Frontiers in Science & Engineering – Opportunities for Graduates Organized by Science Foundation and MHRD-IIC-DDUC Chapter, DDU College, University of Delhi, (Under the aegis of DBT Star College Program) Held on 14-19/9/2020	National
	"Technical Session: Computer Sciences and Electronics" Science Academies Online Lecture Workshop On Frontiers in Science & Engineering - Opportunities for Graduates Organized by Science Foundation and MHRD-IIC-DDUC Chapter, DDU College, University of Delhi, (Under the aegis of DBT Star College Program) Held on 16/9/20	National
Dr. Aravind Kumar	Skill Enhancement By ICT Learning in the Period of Online Knowledge Exchange Organized By Department of Physics and IQAC, Kalindi College 9 Dec 2020	University
	Online National Seminar On Exploring Physics With Expert Organized By Department of Physics, Kalindi college in association with The National Academy of Science India (NASI), Delhi Chapter Held on 10 Feb 2021	National
	Webinar on Art and Science of Mentoring Organized By Physics Department, Daulat Ram College Held on 1 June 2020	National
Dr. Rashmi Menon	Challenge of Teaching Physics Laboratory Courses in Online Mode Organized By Physics Department, Kalindi College Held on 23- 25 Jan 2021	National
	Exploring Physics with Experts!! Organized By Kalindi College Held on 10 Feb 2021	National
Dr. Majhar Ali	Challenge of Teaching Physics Laboratory Courses in Online Mode Organized By Physics Department, Kalindi College Held on 23- 25 Jan 2021	National
	Physics with Experts!! Organized By Kalindi College Held on 10 Feb 2021	National

Dr.Triranjita Srivastava	New Education Policy 2020: Transformational Features and Challenges Organized By IQAC, Kalindi College Held on 11.12.2020	State
	Lecture Series on Magnetism and Matter Organized By Indian Association of Physics Teachers Regional Council (Delhi & Haryana) and Delhi State Science Teachers Held on 01.08.2020	State
	Recent Trends in Material Science Organized By Department of Physics, Shivaji College, University of Delhi Held on 09.10.2020	International
	INDIA IN THE 21ST CENTURY: THE ROLE OF EDUCATION Organized By Maitreyi College, University of Delhi Held on 30.09.2020	University
	New Education Policy 2020: Transformational Features and Challenges Organized By IQAC, Kalindi College Held on 11.12.2020	State
	Name of the Event Challenges of teaching Physics Laboratory Courses in Online mode Organized By Department of Physics, Kalindi College, Department of Physics and Astrophysics, University of Delhi and The National Academy of Sciences India (NASI) - Delhi Chapter Held on 23.01.2021-25.01.2021	National
	Exploring Physics with experts Department of Physics, Kalindi College & The National Academy of Sciences India (NASI) - Delhi Chapter Organized by Department of Physics, Kalindi College & The National Academy of Sciences India (NASI) – Delhi Chapter Held on 10.02.2021	National
	UNRAVELLING MYSTERIES OF THE UNIVERSE WITH EXPERTS Organized By Maitreyi College, University of Delhi Held on 04.02.2021	State
	Online assessment Tools: A step Forward Organized By Mehr Chand Mahajan DAV College for Women, Chandigarh Held on 22.03.2021	National
Mr. Ankur Anand	Challenges of Teaching Physics Laboratory COURSES in Online Mode Organized By Department of Physics, Kalindi College Held on 23.01.2021-25.01.2021	National
	New Education Policy 2020: Transformational Features and Challenges Organized By IQAC, Kalindi College Held on 11.12.2020	National
	Skill Enhancement by ICT Learning in the Period of Online Knowledge Exchange Organized By IQAC, Kalindi College Held on 9-10 December	National
Dr. Savita Sharma	Challenges of Teaching Physics Laboratory Courses in Online mode Organized By Department of Physics under the aegis of IQAC Kalindi College in association with Department of Physics & Astrophysics, University of Delhi and the The National Academic of Sciences India Held on 23.01.2021-25.01.2021	National

	Exploring Physics with Expert Organized By Department of Physics, Kalindi College in association with The National Academic of Sciences India Held on 10.02.2021	National
Ms. Varsha	MATLAB and It's Applications Organized By Rajasthan Technical University, Kota and Sri Balaji College of Engineering and Technology Held on 04/01/2021-08/01/2021	National
	Exploring Physics with Experts!! Organized By Kalindi College, University of Delhi with National Academy of Sciences (NASI) Held on 10.02.2021	National
	Online Lecture Series Organized By Indian Association of Physics Teachers (IAPT) Regional Council and Delhi State Science Teacher's Forum Held on 01/08/2020	National
	Characterization techniques for smart Material Organized By Department of Physics, College of Basic Sciences and Humanities, CCS Haryana Agricultural University 15/01/2021-16/01/2021	National
	Introduction to COMSOL Multiphysics Organized By Deshbandhu College, University of Delhi Held on 25/03/2021	National
	Challenges of Teaching Physics Laboratory Courses in Online Mode Organized By Kalindi College, University of Delhi with National Academy of Sciences (NASI) Held on 23.01.2021-25.01.2021	National
	Skill Enhancement by ICT Learning in the Period of Online Knowledge Exchange Organized By IQAC, Kalindi College Held on 9-10 December	National

**Contribution of the department in the Corporate Life of the College (Only Convener/Coordinator/Adviser for the current year).**

S.N.	Name of the Faculty	Contribution	Name of the Committee
1	Dr. Rachana Kumar	Convener	Criterion II, NAAC
		Convener	Innovation Club
		Adviser	Purchase Committee of the College
		Adviser	Governing Body of the college
		Convener	Lab Development and Equipment Committee

		Adviser	Aria team for uploading parameters for Innovation and Entrepreneurship
		Adviser	Verification committee for promotion under CAS 2010/2018 from Stage II to Stage III
2	Dr. Pushpa Bindal	Convener	Criteria 2, AQAR
		Convener	Central Moderation Committee
		Coordinator	Internal Complaints Committee
		Convener	Antakshari Club
		Convener	IBSD Centre
		Convener	Online National Seminar "Exploring Physics with Experts"
		Convener	Verification Committee For promotion from Stage I to Stage II
3	Dr. Seema Gupta	Adviser	ARIA Committee
		Convener	Alumni committee
		Convener	Entrepreneurship cell committee
		Convener	Screening committee For college lecturer
		Adviser	Sports committee
		Adviser	Academic Committee
		Adviser	Verification committee for stage II to Stage III promotions
		Convener	CBSE guideline committee
		Adviser	GE allocation committee
		Adviser	Repository committee
		Coordinator	Admission committee
		Convener	Mehendi club

3	Dr. Monika Bassi	Convener	Annual Report 2020
		Convener	Ward Quota Admission Committee
4.	Dr.Punita Verma	Coordinator	Proctorial Board ( worked as Co-convener)
		Coordinator	Canteen Committee ( worked as Co-convener)
		Convener	Research Committee
		Convener	Physics e-Magazine
		Convener	CRITERIA III of IQAC (NAAC)
		Convener	Quiz 'Brainstorm' event of Lehren
		Convener	Anti Defacement committee
		Convener	e-content Development

**Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies.**

Name of Faculty	Nature of Participation (Activity)	Levels (International /National/State/ University/College)
Dr. Rachana Kumar	Member of Committee of courses for undergraduate studies in Physics appointed by Department of physics and Astrophysics, University of Delhi	University
	preparation of Model problem set and model question paper of BSc (H) EMT III Year paper	University
	member, Selection Committee for appointment of Assistant professor on adhoc basis in physics Department in College	College
	expert (senior most in science department, KC) in screening cum evaluation committee for promotion from stage 11 to stage 12, department of Zoology, Kalindi College	University

	member Selection Committee for promotion from stage 10 to 11, department of Botany, KC	University
Dr. Pushpa Bindal	Expert for IP University	National
	Member - Screening cum evaluation committee for Botany department	College
	Head Examiner	University
Dr. Sudha Gulati	Member of Library Core Committee	College
	Physical Verification Committee for Lab Equipments	College
	Verification committee	College
	Core committee	College
	Screening committee	College
Dr. Seema Gupta	National Anveshika Network Of India	National
Dr. Monika Bassi	CCTV Committee	College

**Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels**

Sr. No	Name of the teacher	Name of Editorial Boards	Level of board	Name of Institution
1	Dr. Triranjita Srivastava	Yearly Academic Journal	National	Kalindi College
2	Dr. Savita Sharma	David Halliday, Kenneth S. Crane Book Editorial Board	International	Kalindi College
3	Dr. Punita Verma	Advisory board to the magazine "Indraprastha manjusha"	State	Indraprastha Adhyayan kendra
		Advisory board to the magazine "Indraprastha manjusha"	State	Indraprastha Adhyayan kendra
		Advisory board to the magazine "Indraprastha Manjusha"	State	Indraprastha Adhyayan kendra

**Details of Seminars/ Conferences/Workshops organized by department at University, State, National and International level and the source of funding with details:**

Name of Conference/ Seminars / Workshops	Funding agency and funds received		No. of Participants		University/State/ National/ International	Dates
	Internal	External	Internal	External		

Exploring Physics with Experts!!		NASI-Delhi Chapter	136	41	National	10 February 2021
Challenges of Teaching Physics Laboratory Courses in Online Mode		NASI-Delhi Chapter	153	58	National	23 -25 January 2021
Skill Enhancement by ICT Learning in the Period of Online Knowledge Exchange Organized By	IQAC, Kalindi College			47	National	9-10 December 2021