




**DESHBANDHU
COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI -
110019**

Photograph	Title Ms.	First Name	PRIYANKA	Last Name		
	Assistant Professor				Designation	
	House No 225, Ward No 2, Ahhirwara, Ballbagarh, Faridabad				Address	
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					Residence	
	8800829760				Mobile	
	priyanka@db.du.ac.in priyanka.phy@gmail.com				Email	
https://sites.google.com/db.du.ac.in/lambapriyanka/home				Web-Page		
Educational Qualifications						
Degree	Institution			Year		
Ph.D.	Pursuing from Sharda University, Greater Noida, U.P			Joined in 2019		
M.Phil.	-					
PG	Department of Physics, University of Rajasthan, Jaipur			2009		
UG	Bikaner University			2007		
Any other qualification	M. Tech, IIT Delhi			2012		
Career Profile						
Assistant Professor (Ad- hoc) Deshbandhu College, University of Delhi 23 July 2012 – Till Now						

Administrative Assignments

- Resource person in "INSPIRE Internship Programme- 2013" organized by Deshbandhu College, University of Delhi, held from December 16-20, 2013.
- Member of organizing committee International Conference on Physics, Society and Technology (**ICPST**) 2019, held on 17-19 January, organized by Department of Physics, Deshbandhu College.
- Member of Physics Society of Deshbandhu College.



Research Projects (Major Grants/Research Collaboration)

- ***Delhi University innovation project DBC 206***, Title – Impact of climate change on various parameters of weather in highly polluted area versus relatively pollution free area.
Name of Sponsoring/Funding agency- CIC, DU
- ***M.Tech Project, IIT DELHI***, Title- Quantative phase imaging using white light interference microscopy by color fringe analysis.
Name of Sponsoring/Funding agency- MHRD

Areas of Interest/Specialization

High Energy Physics, Applied Optics, Supercapacitors

Subjects Taught

Mechanics	Waves and Optics	Digital Electronics	Nuclear Physics
Electricity and Magnetism			

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Research papers published in Refereed/Peer Reviewed Journals

- P. Lamba, P. Singh, P. Singh, A. Kumar, P. Singh, Bharti, Y. Kumar, M. Gupta. Bioinspired synthesis of nickel oxide nanoparticles as electrode material for supercapacitor applications. *Ionic* **27**, 5263–5276 (2021). <https://doi.org/10.1007/s11581-021-04245-0>.
- P. Lamba, P. Singh, P. Singh, P. Singh, Bharti, A. Kumar, M. Gupta, Y. Kumar. Recent advancements in supercapacitors based on different electrode materials: Classifications, synthesis methods and comparative performance, *Journal of Energy Storage* **48**, 103871 (2022). <https://doi.org/10.1016/j.est.2021.103871>.

Conference Organization/Presentations

1. Participation as Paper/Poster Presenter

- Oral presentation on “Simple and Rapid Ecofriendly Synthesis of NiO/RGO Nanocomposites using Guava Leaf Extract and their Physicochemical Characterization” in International Conference on Energy Materials and Devices (ICEMD-2022), organized by Department of Physics (MMV), Banaras Hindu University, Varanasi (January 11 & 12, 2022).
- Oral presentation on “Synthesis route of Reduced Graphene Oxide (RGO) via chemical reduction of Graphene Oxide (GO) and its Physicochemical Characterization” in 3rd International Conference on Frontiers of Science & Technology (ICFST-2021), organized by Department of Applied Sciences, KIET Group of Institution, Ghaziabad (August 13-14, 2021).
- Poster presentation in 7th National Conference on Advances in Metrology (AdMet-2021), Maharaja Surajmal Institute of Technology, New Delhi (March 5-6, 2021).

2. Organization of a Conference

- Member of organizing committee International Conference on Physics, Society and Technology (ICPST) 2019, held on 17-19 January, organized by Department of Physics, Deshbandhu College.

3. Participation in conference

- Participated in the first international OSA network of students (IONS) conference organized at Indian Institute of Technology Delhi, New DELHI, India on Dec. 1,2, 2011.

~~• Participated in the International Conference on Light Cone Physics, held at www.deshbandhucollege.ac.in~~

Department of Physics & Astrophysics, University of Delhi 110007, India during Dec. 10-15, 2012.

- Participated as Member Organising committee/ Resource Person in the INSPIRE Internship Program 2013, organized by Deshbandhu College, University of Delhi, held from Dec. 16-20, 2013.
- Participated in the International Conference on Bhariya Women: Past, Present and Future 2019, held on 23-24 February, organized by Deshbandhu College.
- Participated in the International Conference on Human Rights held on 22-23 February 2020, organized by Shaikshik Foundation in association with Deshbandhu college and Amebdkar international centre.
- Successfully completed One Week Online Faculty Development Programme on “Development and Delivery of MOOCs And E - Content” jointly organized by Central University of Haryana, Mahendergarh under the agis of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) and IQAC, Deshbandhu College, University of Delhi, New Delhi, from 26th June, 2020 to 1st July 2020.
- Participated in one week online Faculty Development Programme on “ Resent Trends in Materials Science and Engineering” organized by Department of Physics, School of Basic Sciences & Research , Sharda University Greater Noida, during May 25-31, 2020.
- Participated in National Conference on Functional Materials (NCFM-2020) organized by Sharda University, Greater Noida, during July 25-26, 2020 (online).
- Participated in the Webinar on ‘GENDER SENSITIVITY: BEST PRACTICES TO FOLLOW’ organized by Internal Complaints Committee (ICC) and IQAC, Deshbandhu college and POSHCA (NGO empanelled with Ministry of Women and Child Development) on 15th July 2020.
- Participated in National conference on Materials and Devices (NCMD-2020) held on 18-19 December 2020, organized by Department of Physics, Faculty of Engineering and Computing Sciences, Teerthanker Mahaveer University of Moradabad.
- Participated in one week online workshop cum faculty development program on Quality Engineering and Technological Advances in Materials and Devices held on 8-10 March 2021, Organized by Sharda University, Greater Noida.
- Participated in the Webinar on ‘Introduction to COMSOL Multiphysics’ organized by Department of Physics, Deshbandhu College, University of Delhi on 25th March, 2021.
- Participated in workshop on ‘Vacuum Coating, Sputtering and Thin Film Deposition Techniques’ organized by Department of Physics, Deshbandhu College, University of Delhi under the aegis of IQAC and DBT Star College scheme on 22nd and 25th March, 2021.

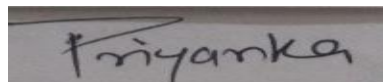
- Webinar on ' Reflections of Indian Knowledge system: Hertiage, Culture, Society and Science' organized by Azadi Ka Amrit Mahostav (AKAMAH) committee, Deshbandhu College on October 29, 2021.
- Popular Science Lecture series on ' Charged Particle Accelerators: an introduction' organized by The Physical Science Society 'Spectra' , Deshbandhu College on 8 th October 2021.
- Participated in lecture on Nano Materials Impact, Challenges and Applications Organized by “Spectra” Physical Science Society, Deshbandhu College on September 11, 2021.
- Participated in lecture on charged particle accelerator: an introduction, Organized by “Spectra” Physical Science Society, Deshbandhu College on October 10, 2021.
- Participated in lecture on “Sound of Gravity” organized by Department of Physics Under the aegis of IQAC & DBT Star College Scheme, Deshbandhu College on September 10 , 2021.
- Participated in lecture on “ Unfolding The Mysteries of The Universe : James Webb Spece Telscope, organized by Department of Physics Under The Aegis Of IQAC & DBT Star College Scheme, Deshbandhu College on February 26 , 2022.
- Participated in lecture on “Not Yet Finished Journey of Hall Effect” organized by Department of Physics Under The Aegis Of IQAC & DBT Star College Scheme, Deshbandhu College on February 15 , 2022.
- Participated in lecture on “Quantum Spin Liquid: Novel Platform for Emergent Quasssiparticles” organized by Department of Physics Under The Aegis Of IQAC & DBT Star College Scheme, Deshbandhu College on February 16, 2022.
- Participated in lecture on “Patterned Magnetic Thin Films” organized by Department of Physics Under The Aegis Of IQAC & DBT Star College Scheme, Deshbandhu College on March 12, 2022.
- Participated in lecture on “ Quantum Entanglement at all distance” organized by Department of Physics Under The Aegis Of IQAC & DBT Star College Scheme, Deshbandhu College on March 15, 2022.

Awards and Distinctions

- CSIR-NET (NET JRF, Rank – 0166/395, DEC 2009)
- GATE 2010, All India rank-82
- 1st position at district level in essay writing and quiz competition against Einstein Physics Year – 2005.
- Prabha Khetan Education Award/Scholarship (2004-05)

Association With Professional Bodies

- *Memberships - OSA* The Optical Society

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Signature of Faculty Member

