




Faculty Details proforma for DU College Web-site



Title	Dr	First Name	Archna	Last Name	Pandey	Photograph
Designation		Associate Professor				
Address		2G, Shivalika Apartment, Plot 16, Sector 9, Dwarka, New Delhi 110075.				
Phone No Office						
Residence		Not Required				
Mobile		Not Required				
Email/		archanapandey@andc.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution				Year
B.Sc.		University of Delhi				1998
M.Sc.		University of Delhi				2000
Ph.D.		University of Delhi				2008
Career Profile						
After finishing post graduation (M.Sc.) in July,2000, I started teaching at Acharya Narendra Dev College, University of Delhi in August 2000. Since than I am teaching in the same college.						
Administrative Assignments						
<ul style="list-style-type: none"> • Co-Coordinator of College for Star College Scheme and involved in purchase of recurring and non-recurring items under the scheme and organization of various activities such as lectures and workshops (2019 till date). • Coordinator of College committee for Star College Scheme of Department of Biomedical Science and involved in purchase of recurring and non-recurring items under the scheme and organization of various activities such as lectures, workshops and short term projects for Biomedical Sciences students (2017 till date). • Member of the committee constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for implementation of Revised Choice-Based Credit System for B.Sc. (Hons) Biomedical Science course at University of Delhi (2019). • Head, Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi, w.e.f. 2016 -2018. • Member of the Committee of Courses constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for looking into Academics and Examination issues related to M.Sc. Biomedical Sciences and B.Sc. (Hons) Biomedical Science w.e.f. 3/7/2017 - 2019. • Member of the Selection Committee constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for selection of the panel of teachers for setting of the papers for B.Sc. (Hons) Biomedical Science w.e.f. April 2016 - 2018. • Member of the Moderation Committee constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for moderation of the papers for B.Sc. (Hons) Biomedical Science w.e.f. April 2016 - 2018. • Member of the committee constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for implementation of Choice-Based Credit System for B.Sc. (Hons) Biomedical Science course at University of Delhi (2015-16). • Member of the committee constituted by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for framing the syllabus for Four Year Undergraduate Program for B.Sc. (Hons) Biomedical Science 						

course at University of Delhi (2013-14).

- Head, Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi, (2004-2006).
- Contribution to corporate life and management of the department and institution through participation in various academic and administrative committees from time to time.

Areas of Interest / Specialization

Human genetic disorders, Molecular biology and Gene regulation.

Subjects Taught

1. Biostatistics
2. Medical Laboratory Techniques
3. Cell Biology
4. Human Genetics
5. Genetic and Genomics
6. Principles of Genetics
7. Genome Organization and Function
8. Molecular Biology
9. Immunobiology (Practical)
10. Techniques of Forensics Science (Practical)

Research Guidance

- Mentoring a three month summer project under the DBT star collage scheme of Purva,, Abhijit Nayak and Ashwin Udey of B.Sc. (H) Biomedical Sciences-III year titled - Use of Quadruplex binding ligands against prion diseases, Jan- March 2020.
- Mentoring a two month summer project under the college ELITE scheme of Tamanna, Sudepta Singh, Sansi Bansal and Sarang Saini B.Sc. (H) Biomedical Science-II year, titled- Surface Plasmon Resonance – A Tool to Detect Change in Refractive Index, June-July 2019.
- Mentoring a two month summer project under the college ELITE scheme of Aatiruddin Khan, Alisha Ansari and Muskan Gupta, B.Sc (H) Biomedical Sciences-II year , titled To Ascertain the Most Efficient Working Hours of the Faculty in Acharya Narendra Dev College (ANDC) within the Framework of 9 am to 4 pm, June-July 2019.
- Short four month project under the Star college scheme titled Extraction, isolation and characterization of bioactive compounds present in leaves, fruit and bark extract of *Aegle marmelos*. 4 students of B.Sc(H) Biomedical Science and 4 students of B.Sc(H) Chemistry January-April 2018.
- Mentoring a two month summer project under the college ELITE scheme of Shreya Verma and Sunaina of B.Sc. (H) Biomedical Sciences and B.Sc. (H) Chemistry, titled - Antibacterial activity of different solvent extracts obtained from leaves of *Aeglemarmelos* (L.) Corr. , June-July 2018.
- Mentoring a two month summer project under the college ELITE scheme of Varshini and Gunjan of B.Sc. (H) Biomedical Sciences and B.Sc. (H) Chemistry, titled - Bactericidal activity of seeds extracts of *Aeglemarmelos* (L.) Corr.using minimum inhibitory concentration and disc diffusion assay. , June-July 2018.
- Mentoring a two month summer project under the college ELITE scheme of Yash Shukla and Himani of B.Sc. (H) Biomedical Sciences and B.Sc. (H) Chemistry, titled - In vitro antibacterial activity of bark extract of *Aegle*

marmelos(L.) Corr. against gram positive and gram negative bacterial strains, June-July 2018.

- Mentoring a two month summer project under the college ELITE scheme of Deepak Pokhreal and Shivam Kumar of B.Sc. (H) Biomedical Sciences and B.Sc. (H) Chemistry, titled - Antibacterial properties of *Aeglemarmelos*(L.) Corr. fruit pulp extracts prepared in different organic solvents, June-July 2018.
- Mentoring a two month summer project under the college ELITE scheme of Vashnie Padmanabhan, Shreya Verma, Riddhi Bhardwaj, Urooj and Fatima of B.Sc. (H) Biomedical Sciences, titled - Column chromatography assisted fractionation of active constituents of aegle marmelos leaves and their antibacterial activity, June-July 2018.
- Mentoring a two month summer project under the college ELITE scheme of Mr. Rakesh Chaudhary titled Virtual screening of antifungal drugs for their comparative pharmacological properties, June-July 2016.
- Mentoring a two month summer project under the college ELITE scheme of Mr. Abhishek Kumar titled Comparative pharmacokinetic analysis of commercial analgesics using bioinformatics approach, June-July 2016.
- Mentoring a two month summer project under the college ELITE scheme of Mr. Naim Ahmad titled Virtual screening of antibiotics for their comparative pharmacological properties, June-July 2016.
- Mentoring a two month summer project under the college ELITE scheme of Ms. Shrutika titled Parents outlook, experience and problems faced by parents while caring their disabled child, June-July 2016,.
- Mentoring a two month summer project under the college ELITE scheme of Ms. Kavita titled Use of common food preservative and prevent food spoilage, June-July 2012.
- Mentoring a two month summer project under the college ELITE scheme of Ms. Puja titled To test salt for its potential role in food preservation, June-July 2012.
- Mentoring a two month summer project under the college ELITE scheme of Ms. Shalini titled To test Neem for the potential role as food preservative, June-July 2012.

Publications Profile

Conference / Presentations /Workshops

Conferences, Workshops, Training Programs Organized

- One-day seminar on “Career in Forensic Science” in the ANDC career counselling series. March 20, 2021.
- One-day seminar on “Studying in Europe-Interaction with seniors” in the ANDC career counselling series. March 14, 2021. One-day seminar on “Career after MBA- exploring the unexplored” in the ANDC career counselling series. March 7, 2021.
- Three days online hands-on workshop on “A step-by step guide to Data mining from literature to pathways”. March 1-3, 2021.

- Five days online National RBPT based hands-on workshop on Bioinformatics. January 9–13, 2021.
- Interactive Webinar on “Facts and Myths of COVID 19 speaker Dr KK Agarwal on August 17, 2020 jointly organized by Delhi School of Public Health and Dr B. R. Ambedkar Center for Biomedical Research.
- Webinar on "Nucleic acid based detection of COVID-19" Developed by IIT Delhi by Dr. Vivekanandan Perumal (Associate Professor, IIT Delhi), Dr. Prashant Pradhan (Assistant Professor, ANDC), Dr. Akhilesh Mishra (Post-doc, IIT Delhi), Dr. Parul Gupta (Post-doc, IIT Delhi) at Acharya Narendra Dev College, University of Delhi on June 5, 2020.
- Webinar on "Deciphering the language of DNA" by Dr. Akhilesh Mishra (Project Scientist, National Anti-Microbial Resistant Program) at Acharya Narendra Dev College, University of Delhi on May 15, 2020
- One day Inter college workshop on ‘Techniques in Molecular Biology’ at Acharya Narendra Dev College, University of Delhi on Feb 25, 2020.
- One day hands on workshop on ‘Molecular Biology Techniques’ for the undergraduate students of G.D.Goenka University organized at Acharya Narendra Dev College, University of Delhi on November 22, 2019.
- One day Inter-disciplinary exhibit presentation entitled ‘New frontiers in science’ (under the aegis of DBT star college program) held at Acharya Narendra Dev College, University of Delhi on October 22, 2019.
- One day hands on workshop ‘Learning Molecular Biology Techniques’ conducted for B.Sc. (H) Zoology and B.Sc. Life Sciences at Acharya Narendra Dev College, University of Delhi on September 24, 2019.
- One day workshop on ‘Fraud, Forgery and Forensics: Examining Handwriting, Fingerprinting and Security documents’ at Acharya Narendra Dev College, University of Delhi on April 3, 2019.
- One day hands on workshop on “FOLDSCOPE” microscope at Acharya Narendra Dev College, University of Delhi on February 2, 2019.
- One- day symposium on Cyber Criminalistics at Acharya Narendra Dev College, University of Delhi on March 28, 2018.
- One day hands on workshop on Forensic Examination of Documents for college faculty members involved in admissions at Acharya Narendra Dev College, University of Delhi on June 23, 2017.
- One day hands on workshop on Forensic Examination of Documents for non-teaching staff of University of Delhi colleges at Acharya Narendra Dev College, University of Delhi on June 16, 2017.

Seminars, Symposia, Workshops, Training Programs Participated/ Attended

- 5th meeting of the Task Force to review ongoing programs for Annual Review Cum Coordinators meet under Star college Scheme at Pondicherry University, Pondicherry on April 18-20, 2019
- ISW – 2020 International Summit on Women In STEM – ‘New Skylines’ at Indian Habitat Centre, Lodhi Road, Delhi on January 23-24, 2020
- Global Bio India Summit held at Aerocity New Delhi, Organized by Department of Biotechnology, Ministry of Science and Technology, Government of India on November 21-23, 2019

Research Projects (Major Grants/Research Collaboration)			
Awards and Distinctions			
S.No	Name of Award	Awarding Agency	Year
1	CATCH THEM YOUNG	CSIR	July 1999
2	CATCH THEM YOUNG	CSIR	Nov. 1998
3	PT. NARAIN MUDGAL GOLD MEDAL	DESHBANDHU COLLEGE, UNIVERSITY OF DELHI	1998
4	LALA AMAR NATH SACHDEV GOLD MEDAL	DESHBANDHU COLLEGE, UNIVERSITY OF DELHI	1998
Association With Professional Bodies			
Other Activities			

Signature of Faculty Member