




Faculty Details proforma for DU College Web-site



Title	Dr.	First Name	Mamta	Last Name	Bhatia	Photograph
Designation	Associate Professor					
Address	Department of Physics, Acharya Narendra Dev College, University of Delhi, Govindpuri Kalka Ji, New Delhi-110019					
Phone No Office	011-26412547					
Residence	0120-2573285					
Mobile						
Email/ Web-Page	mamtabhatia@andc.du.ac.in					
Educational Qualifications						
Degree	Institution				Year	
Ph.D	University of Delhi				1992	
M.Phil	University of Delhi				1985	
M.Sc	University of Delhi				1983	
B.Sc(Hons)Physics	University of Delhi, Miranda House				1981	
Career Profile						
<p>Dr. Mamta Bhatia has been the recipient of Fulbright Awards (2017 & 2014) and had also received Young Scientist award (1987). During a span of more than 30 years of her professional career at University of Delhi, besides teaching Physics ,she has worked extensively towards industry-academia linkages and also served on administrative positions as Head of Institutions. She has been associated with writing book chapters, reviewing e-materials, designing online courses, curriculum revision etc. Her teaching and research repertoire is extensive and not limited to Physics. She has presented papers at International Conferences on topics related to Skill development, Community colleges models, Open and distance education linked with Vocational education, Women empowerment, STEM education, entrepreneurship etc.</p>						
Administrative Assignments						
<p>1. Officer on Special Duty (OSD), Centre for Professional and Technical Training, Campus of Open Learning ,University of Delhi,(1st October, 2007 – 30th September, 2014)</p> <p>2. Officiating Principal, Acharya Narendra Dev College, University of Delhi,(8 April-16 November,2005)</p> <p>3.Honorary Adviser and Consultant, Campus of Open Learning, University of Delhi(October 2014-2015)</p> <p>4.Academic Co-ordinator of English Language Proficiency Course at COL, KeshavPuram,</p>						

University of Delhi(2008-2012)

5.Project Co-ordinator, "DU-CII Professional Skills Project", University of Delhi (2007-2014)

6.Co-ordinator, IGNOU Center at AND College,(2000-2002)

Besides above positions, Dr. Bhatia had been entrusted with several administrative responsibilities in AND college such as Head of Physics Dept. (1992-1994), Superintendent of Examinations (2005 &2007),Deputy Superintendent of Examinations (1993-1994), Convener of various committees of the college (1993-2000), Liaison Officer(2016) etc. and has been Member of courses review committees of University of Delhi (1995-1997),LOCF Committee of University of Delhi for Solid State Physics (2019)etc.

Areas of Interest / Specialization

Solid State Physics, Reactor Physics, Material science, Nanomaterials

Subjects Taught

Solid State Physics, Thermal Physics, Modern Physics, Optics, Mechanics etc.

Research Guidance

Publications Profile

List of Publications:

Recent Publications include Inputs Published in following Reports:

- 1.Article published in Education Times, Times of India ,
(<http://educationtimes.com/article/editors-pick/74743998/virtual-classroom-an-idea-whose-time-has-come.html>), e-paper,22 March,2020
2. India Skills Report 2018.
- 3.India Skills Report 2017.
- 4.CII News letter, vol. 5, page 3,2016
- 5.Article titled "From Local to Global: Community Colleges in India and America expand their geographical footprints", University News,AIU,vol.56,No.28,ISSN-0566-2257,July,2017
6. Reviewer of e-learning chapter on "Super conductivity"; ILLL(Institute of Lifelong Learning)University of Delhi,July,2016

Other Publications include the following research papers :

1. “ Calculation of Tritium Breeding Ratio in Li7 and Li6 using eigenfunction expansion method”
-----Mamta Malik

Presented at 74th session of Indian Science Congress Association and “**Young Scientist Award for 1987**” was given for the same.

2. “ Study of space-dependent fast neutron spectra and Tritium Breeding Ratio in different assemblies of Li7, Li6 and natural Li”

-----Mamta Malik, F. Ahmed and L.S. Kothari
Annals of Nucl. Energy (U.K), vol.14,648-651 (1987)

3. “Study of time-dependent spectra and Tritium Breeding Ratio in Li following a pulse of 14 Mev neutrons.”

-----Mamta Malik, F. Ahmed, L.S.Kothari
Annals of Nucl. Energy (U.K) vol. 16, 109-117 (1989)

4. “ An eigenvalue and eigenfunction approach to study the behavior of fast neutrons in various materials used in fission and fusion reactors”

-----R. Mohan, P. Mohan, M. Malik, F. Ahmed
Presented at “ Symposium /workshop on Recent Advances in Physics at Dhaka, Bangladesh,Jan.1990

5. Contribution to Study material for PHP-13 for “ Physics of Solids” ; prepared for Indira Gandhi National Open University (IGNOU), 2000.

6. “ Fast Neutron Behaviour in Li and Li2O assemblies”

-----M. Malik , F. Ahmed, L.S. Kothari
Contributor Poster presentation accepted in International Conference on Neutron Scattering, August 1991, ICNS, Oxford, UK.

Conference / Presentations /Workshops

1.Paper presentation at 10th International Conference on Women in Business, University of Bergen,Norway,17th December,2019

2.Invited Talk on "Women in Science and Higher Education", Missouri Western State University, Missouri, U.S, 13th September,2019

3.Paper presentation at 9th International Conference on Women, Business and Law, National Law University, Delhi,22 October,2018

4.Session Co-Chair,9th International Conference on "Women, Business and Law",26 October,2018

5.Invited Talk as Resource Person, USIEF(United States India Educational Foundation),25th May,2018

6.Fulbright Enrichment Seminar: "Long Term Advantages of Innovation and Entrepreneurship", held at University of San Diego,U.S,December,2017

7. Invited Talk as Speaker at USIEF ,25th February,2017
8. Invited Talks for three Public Lectures at SBU University, Missouri ,U.S,December,2017
9. Invited Delegate at Nanotechnology Conclave,CII,Delhi,30-31 August,2017
10. Invited delegate at International Conference on Open Education, Anaheim, California, U.S,October,2017
10. Paper presentation at International Conference on Open Education, Titled: "Open Education in the Indian Context: New approaches and Challenges";held at ,Richmond, Virginia, U.S, 4 November,2016
11. Presentation at Going Global International Conference, organized by British Council, Cape Town, South Africa,2016
12. Workshop on Online Learning ,organized by GET Smarter, Cape Town, South Africa,May,2016
13. Panel expert and Speaker, National Workshop on Community Colleges,Solan,3-4 October,2015
14. UKIERI Workshop on "Computer Gaming", held at West College,Scotland,14-20 July,2015
15. Panel expert and Speaker, National Workshop on Community Colleges, Tezpur University,21-22 April,2015
16. International Seminar for Administrators across the 3 States of U.S; under Fulbright Award,26 October-6 November,2014
17. Presentation at Going Global International Conference, organized by British Council,Miami,U.S,19 April-1 May,2014
18. UKIERI Workshop on "Digital Learning" ,held at Edinburgh College,Scotland,26 June-6July,2014
19. 19. Poster presentation at UKIERI event, British Council,Delhi,14 October,2013
20. UKIERI workshops on "Web Designing and Animation" at Edinburgh College, Scotland,(2009-2013)

Research Projects (Major Grants/Research Collaboration)

- a. Project Co-ordinator, UKIERI Project of Campus of Open Learning on "Digital Learning", in collaboration with Edinburgh College, Scotland, UK.(2012-2015)
- b. Project Co-ordinator, UKIERI Project of Campus of Open Learning on "Computer Gaming", in collaboration with West College, Scotland, UK.(2012-2015).

Organized, co-ordinated and participated in the activities related to UKIERI Project on "Web Designing and Animation" in collaboration with Edinburgh College, Scotland, Open University UK and several Further Education Colleges of UK(2009-2013).
- c. Project Co-ordinator, DU-CII Professional Skills Project, University of Delhi in collaboration with Confederation of Indian Industries.(2009-2014)
- d. PI(Third Faculty member), Innovation Project, University of Delhi, Title;"Leveraging Big Data in Astronomy and Healthcare",2015

Awards and Distinctions
<p>Fulbright -Nehru Scholar for Academic and Professional Excellence,2017-2018</p> <p>Fulbright- Nehru Award for International Education Administrator's Seminar , 2014</p> <p>OLF Award administered by IIE,U.S for delivering Public Lectures at Southwest Baptist University, Missouri, U.S. 2017</p> <p>Young Scientist Award ,1987 Awarded by Indian Science Congress Association.</p> <p>National CAS Scholarship during Masters (M. Sc) course of studies 1981-1983</p> <p>Tata Memorial Jubilee Scholarship during Bachelor's (B. Sc)course of studies 1978-1981</p>
Association With Professional Bodies
<p>Member, CII National Education Council 2019-2020,2019-2018</p> <p>Member, CII National Committee on Higher Education 2017-2018 ,2017-2016 & 2016-2015</p> <p>Member, CII National Committee on Skill Development 2016-2017</p> <p>Member, Skills and Education Committee, CII Northern Region, 2011-2012</p>
Other Activities
<p>1. Dr. Bhatia gave the inaugural address at Indian Embassy in Washington DC on behalf of Fulbright Delegation of Administrators from India .Under this award, she visited several Community colleges in the U.S in Washington, New York and Florida; to understand the concept and challenges of community colleges and Higher Education framework and learnt how vocational education could be promoted at Community colleges in India.</p> <p>2.Jury Member of i3 National Innovation Awards of India,December,2015</p>

Dr. Mamta Bhatia
Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC and PDF file to be attached as a link on your faculty page.