


Format for Faculty Details for IGNOU Web site

	Name		DR. M. BOAZBOU NEWMAI
	Designation		ASSISTANT PROFESSOR (PHYSICS)
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EDUCATIONAL QUALIFICATIONS			
Degree	Year	Institute/University	
Ph. D	2019	Department of Physics and Astrophysics, University of Delhi, New Delhi Thesis Title - Investigations of the Growth of Vinylpyrrolidone Mediated Plasmonics Metal Nanostructures Supervisor - Dr. P Senthil Kumar	
M. Sc.	2010	Indian Institute of Technology, Kharagpur	
B. Sc.	2007	Ramjas College, University of Delhi, Delhi	
CAREER PROFILE			
Experience: <ul style="list-style-type: none"> Assistant Professor (Physics), Ramjas College, University of Delhi, Delhi (2016-2021) Assistant Professor(Physics), School of Sciences, IGNOU, New Delhi (2021 till date) 			
AREA OF INTEREST/SPECIALIZATION			
<ul style="list-style-type: none"> EXPERIMENTAL CONDENSED MATTER PHYSICS 			
ROLE AND RESPONSIBILITIES AT IGNOU			
<ul style="list-style-type: none"> Course Design/ Development/ Coordination/ Maintenance/ Classroom Teaching <p style="margin-left: 40px;">B. Sc General (Under UGC-CBCS)</p> <p style="margin-left: 60px;">i. Elements of Modern Physics (Theory and Laboratory)</p> <p style="margin-left: 40px;">M.Sc. (Physics)</p> <p style="margin-left: 60px;">i. Classical Mechanics (I and II)</p> <p style="margin-left: 60px;">ii. Quantum Mechanics (I and II)</p> <p style="margin-left: 60px;">iii. General Physics Lab</p> <p style="margin-left: 60px;">iv. Electronics Lab</p> <p style="margin-left: 60px;">v. Statistical Mechanics</p> <p style="margin-left: 60px;">vi. Computational Physics(Theory and Laboratory)</p> <p style="margin-left: 60px;">vii. Nanoscience</p>			
RESEARCH GUIDANCE			
Supervision of	Year of completion	Name	Ph. D. Topic

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Books/Monographs (Authored/Edited)/ Book Chapter/ Lecture Notes : Papers in Refereed/Peer reviewed Journals : (1) Publications in International Journals: : 05 (2) Publications in National Journals: : 01 List of Publications i. M. B Newmai, M. Verma, A. Dahiya and P. S Kumar; Monomer driven growth of catalytically active AgAu plasmonic nanoalloys, <i>Journal of Physics and Chemistry of Solids</i> , 2021. Impact Factor -4.383 ii. M. B Newmai, N. K. Pathak, and P. S. Kumar; Molecular aspects of oligomer coupled ultra-small Au nanoparticles , <i>Journal of Physics and Chemistry of Solids</i> , 2020 . Impact Factor - 4.383 iii. M. B Newmai, M. Verma, and P.S Kumar, Monomer Functionalized Silica Coated with Silver Nanoparticles for Enhanced SERS Hotspots. <i>Applied Surface Science</i> , 2018. 440: pp. 133-143. Impact Factor-7.392 iv. M. Verma, M. B Newmai, and P.S. Kumar, Synergistic Effect of Au-Ag Nano-alloying: Intense SEIRA and Enhanced catalysis. <i>Daltons Trans.</i> , 2017. 46: pp. 9664-9667. Impact Factor-4.569 v. M. Verma, M. B Newmai, and P.S. Kumar, Differential Role of PVP on the Synthesis of Plasmonic Gold and their Catalytic and SERS Properties. <i>RSC Adv.</i> , 2016. 06: pp. 80342-80353. Impact Factor-4.036 vi. M. Verma, M. B Newmai, A. Kedia, and P.S. Kumar, Pertinent Shape Effects of Gold Nanospheres and Nanostellates. <i>IOSR J. of Applied Physics</i> , 2017. 9(3): pp. 21-26			
CONFERENCES/SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED			
A. Conferences/Seminars/Workshops Organised/Participated			: 09