



**Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile**

Name	Dr Neha Katyal	
Designation	Assistant Professor	
Email	neha.katyal@rajguru.du.ac.in	
Degree	Institution	Year
PhD	Department of Electronic Science, University of Delhi	2013
NET Electronics	UGC	2012
M.Sc. Electronics	Department of Electronic Science, University of Delhi	2006
B.Sc. (H) Electronics	Keshav Mahavidyalaya, University of Delhi	2004
Areas of Interest / Specialization		
Photorefractive Materials, Bio sensors and amplification, Digital Electronics		
Publications Profile		
Paper entitled "Effect of Optical Activity on Two-Wave Mixing in Photorefractive Crystals: Transmission Geometry", has been presented in international conference, Photonics 2008, organized by IIT Delhi in December 2008. Paper entitled "The Influence of Pump Beam Polarization on the Signal Beam, in TWM in Photorefractive Crystals: Transmission Geometry" has been published in OPTIK (International Journal for Light and Electron Optics), 122 (2011) 207–210, ISSN: 0030-4026. Paper entitled "Controlling Higher Order Self-diffracted Beam Properties in Photorefractive, Optically Active Crystal" has been published in OPTIK (International Journal for Light and Electron Optics), 126(2015) 24, ISSN: 0030-4026. Paper entitled "Analysis of Output Beam Polarization in Higher-order Self Diffraction via Two-		

wave mixing in an Optically Active Photorefractive Crystal”, OPTIK 124 (2013) 8-12, ISSN: 0030-4026.

Paper entitled “Generalization of coupled wave equations by considering off-Bragg diffraction in photorefractive BTO crystal” in Journal of Optics, Springer, 41(2012) 148-153, ISSN : 0972-8821

Awards and Distinctions