



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Dr.	First Name	SUNITA	Last Name	SANWARIA	Photograph
Designation		Assistant Professor				
Address		Deshbandhu College. On deputation@ Higher Education Department, Chattisgarh NPG, Science College, Raipur				
Phone No. Office						
Residence						
Mobile		8527547792				
Email		sanwaria.sunita@gmail.com				
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Indian Institute of Technology, Delhi				2015	
M.Phil/ M.Tech.	Indian Institute of Technology, Delhi				2009	
PG	University of Rajasthan, Rajasthan				2004	
UG	Maharani's College, Jaipur, University of Rajasthan				2002	
Any other qualification						
Career Profile						
Assistant professor at Department of Chemistry at Deshbandhu College since 2007.						
Administrative Assignments						
Areas of Interest/Specialization						
<ul style="list-style-type: none"> • Nanofiber synthesis • Nanotechnology • Spectroscopy • Polymer Chemistry • Physical Chemistry 						
Subjects Taught						
<ul style="list-style-type: none"> • Polymer Chemistry 		<ul style="list-style-type: none"> • Physical Chemistry 		Spectroscopy		

Research Guidance

List against each head (If applicable):

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil. dissertations
4. Supervision of M.Phil. dissertations, under progress

Publications Profile

List against each head (If applicable) (as illustrated with examples)

1. Books/Monographs (Authored/Edited)- Chemistry MSc. Entrance Examination(Prabhat Prakashan)
2. Research papers published in Refereed/Peer Reviewed Journals
 - a) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
 - Jit Pal, **SunitaSanwaria**, AndriyHorechyy, Manfred Stamm, Rajiv Srivastava, BhanuNandan. "Hairypolymernanofibers via self-assembly of block copolymers" in **Journal of MaterialChemistry** 2012, 25102-25107.(Impact factor 6.82)
 - **SunitaSanwaria**, AndriyHorechyy, Manfred Stamm, Rajiv Srivastava, BhanuNandan. Synthesis of SilicaNanoparticles using FunctionalPolymerNano-objects as Nanoreactors. **RSC Advances**.2013, 3, 24009-24012. (Impact factor 3.28)
 - **SunitaSanwaria**, AndriyHorechyy, Manfred Stamm, Rajiv Srivastava, BhanuNandan. Helical packing of Nanoparticles Confined in Cylindrical Domains of Self-Assembled Block Copolymer Structure. **Angew. Chem. Int. Ed.** 2014, 53, 9090 –9093.(Impact factor 11.709)
 - **SunitaSanwaria**, AndriyHorechyy, Manfred Stamm, Rajiv Srivastava, BhanuNandan. Self-Assembled Template Directed Fabrication of Hollow One-DimensionalTitania Nanostructures. **Nanostructures and Nanoobjects** 2016,14-22.
 - **SunitaSanwaria**, Sajan Singh, AndriyHorechyy, Manfred Stamm, Rajiv Srivastava, BhanuNandan. MultifunctionalNanofibersfrom self-assembled structures of block copolymer/nanoparticle mixtures.
 - Pal, J.; **Sanwaria**, S.; Choudhary, A.; Thakur, K.; Nandan, B.; Srivastava, R. K. ThermallyInitiatedTernary Esterification in Poly(ϵ -caprolactone) and ItsDependence on MolecularWeight. **J. Polym. Environ.** 2014, 22, 479.(Impact factor 1.67)
 - Pal, J.; Kankariya, N.; **Sanwaria**, S.; Nandan, B.; Srivastava, R. K. Control on molecular weight reduction of poly(ϵ -caprolactone) during melt spinning — A way to produce high strength biodegradable fibers. **Mater. Sci. Eng. C**2013, 33, 4213. (Impact Factor: 3.08)
 - Pal, J.; Sharma, S.; **Sanwaria**, S.; Kulshreshtha, R.; Nandan, B.; Srivastava, R. K. Conductive 3D porous mesh of poly(ϵ -caprolactone) made via emulsion electrospinning. **Polymer** 2014, 55, 3970. (Impact Factor: 3.56)
 - Aminlashgari, N.; Pal, J.; **Sanwaria**, S.; Nandan, B.; Srivastava, R. K.; Hakkarainen, M. Degradation product profiles of melt spun in situ cross-linked poly(ϵ -caprolactone) fibers. **Mater. Chem. Phys.** 2015, 156, 82. (Impact Factor: 2.25)
 - b) Research papers published in Refereed/Peer Reviewed Conferences
 - c) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences
3. Other publications (Edited works, Book reviews,Festschrift volumes, etc.)

Conference Organization/ Presentations

List against each head(If applicable)

1. Organization of a Conference: None
2. Participation as Paper/Poster Presenter
 - Poster presentation in **International conference " FRONTIERS in POLYMER SCIENCES 21-23 May 2013", Spain, Barcelona** on Synthesis of Organic/InorganicHybrid Nanostructures usingFunctionalPolymer Nano- Objects as Nanoreactors.
 - Poster presentation in an on **"International ConferencePolymers on the Frontiersof Science and Technology"**

<p>on Functional Hairy Polymer Nano-objects in ASIAN POLYMER ASSOCIATION -2013 in Chandigarh.</p> <ul style="list-style-type: none"> • Oral Presentation at the Young Research Symposium -2013 on Synthesis of Inorganic Nanostructure Templated by Hairy Polymer Nanoobjects at IIT Delhi. • Oral presentation at International Conference ASIAN POLYMER ASSOCIATION 2014 "Synthesis of Silica Nano-objects using Functional Polymer Nano-objects as Nanoreactors" at New Delhi. • Poster presentation in a National Conference on Nanotechnology and Renewable Energy on "Synthesis of Silica Nano-objects using Functional Polymer Nano-objects as Nanoreactors" at Jamia Millia Islamia University Delhi-2014. • Oral presentation in an International Conference on "Fabrication of Multifunctional Nanofibers via Assembly Approach" at CMTECH 2016, University of Delhi, New Delhi.
<p>Research Projects (Major Grants/Research Collaboration)</p> <p><i>Innovation Project (2016)</i></p>
<p>Awards and Distinctions</p> <ul style="list-style-type: none"> • Qualified Graduate Aptitude Test in Engineering Examination, 2006 • Awarded with Junior Research Fellowship JRF (CSIR), 2006. Only 3237 out of the 2,65,930 total test takers were offered this prestigious scholarship. • Offered Shyama Prasad Mukherjee Fellowship SPM, 2006. Only 20% of the top JRF were offered this prestigious fellowship.
<p>Association With Professional Bodies</p> <ul style="list-style-type: none"> • <i>Editing</i> • <i>Reviewing</i> • <i>Advisory</i> • <i>Committees and Boards</i> • <i>Memberships</i> • <i>Office Bearer</i>
<p>Other Activities</p>

Signature of Faculty
Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.