

Dr. Prabhjeet Kaur Dhillon

Assistant Professor (Physics)
Department of Basic Sciences
prabhjeetdhillon@gmail.com

Biography

Dr. Prabhjeet Kaur Dhillon received her PhD in Physics in 2015 from Indian Institute of Technology Ropar, India, specializing in morphological studies of differently patterned surfaces. Presently she is an Assistant professor in the Dept. of Basic Sciences, Guru Nanak College for Girls, Sri Muktsar Sahib.

Research Interests

Wet etching studies
Morphological studies of differently patterned surfaces
Cell proliferation behavior with varying topography
Structure of carbon nanotubes

Education

PhD, Indian Institute of Technology Ropar, India, 2015
B.Ed., Regional Centre Punjabi University, Bathinda, 2008
M.Sc. (H.S.), Panjab University Campus, Chandigarh, India, 2007
B.Sc. (H.S.), Panjab University Campus, Chandigarh, India, 2005 (With Distinction)

Academic Positions

Assistant Professor, Guru Nanak College for Girls, Sri Muktsar Sahib, 2014-present
Lecturer, Lovely Professional University, Phagwara, 2008-10
Senior Research Fellow, Indian Institute of Technology Ropar, India, 2012-14
Junior Research Fellow, Indian Institute of Technology Ropar, India, 2010-12

Award

ESB awardee of 26th Annual Conference of the European Society for Biomaterials held at Liverpool from 31st August-3rd September, 2014

Selected Publications

Erosion dynamics of faceted pyramidal surfaces, Prabhjeet Kaur Dhillon and Subhendu Sarkar, Current Applied Physics, Pages 956-62, Volume 16, (2016)

Topographical length scales of hierarchical superhydrophobic surfaces, Prabhjeet Kaur Dhillon, P.S. Brown, J.P.S. Badyal and Subhendu Sarkar, Applied Surface Science, Pages 1068-1074, Volume 317, (2014)

Non-monotonic roughening at early stages of isotropic Si etching, Prabhjeet Kaur Dhillon and Subhendu Sarkar, Applied Surface Science, Pages 569-574, Volume 284, (2013)

Si nanoripples: A growth dynamical study, Prabhjeet Kaur Dhillon, Subhendu Sarkar, Alexis Franquet, Alain Moussa, Wilfried Vandervorst, Applied Surface Science, Pages 9579-9583, Volume 258, Issue 24, (2012)