

Brief CV

Dr. Anchal Srivastava,

Department of Physics, Email: anchalbhu@gmail.com

Career:

Professor, Department of Physics, Institute of Science, BHU

Awards/ Recognitions:

1. Most Productive Researcher Award (BHU – 2020)
2. Shri Sant Sangneria Rotation Chair Professorship (BHU – 2020)
3. Vice – Chancellor's Award for Excellence in Research (BHU – 2014)
4. Max Planck-India Fellow (2008-2011) jointly given by Max Planck society, Germany and DST India
5. BOYSCAST Fellow (2008) by DST India
6. Young Investigator Award, 7th World Congress on Nano – Bio-2013, South Korea
7. DST award for Meeting of Nobel Laureates and students in Lindau, Germany – 2005

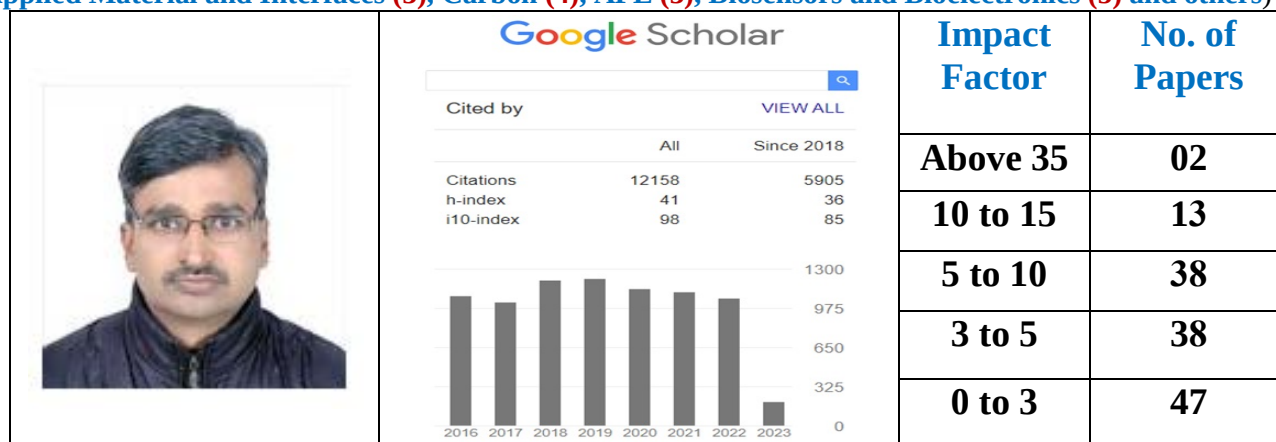
Visiting Research Fellow to MRC, RPI, Troy, New York, (USA) 2006

Research Area: Structural and Spectroscopic Studies of 0D (Inorganic Quantum Dots), 1D (Carbon Nanotubes and Nanorods) and 2D (Graphene, TMDs and Nanoribbons)

Research Guidance: Ph.D. supervised (12), Ph.D. under supervision 07+01 (International Student)

Total Publications: 138 (Nature materials (2), Nano Letters (2), ACS Nano (3), Scientific Reports (2),

ACS Applied Material and Interfaces (3), Carbon (4), APL (3), Biosensors and Bioelectronics (5) and others)



Selected Publications: (more can be found on: <https://scholar.google.co.in/citations?user=-eHcU48AAAAJ&hl=en>)

1. **A Srivastava**, ON Srivastava, S Talapatra, R Vajtai, PM Ajayan, "Carbon nanotube filters", **Nature materials**, 3(2004), 610-614. (IF – 47.660, Cited - 737)
2. **Anchal Srivastava**, Charudatta Galande, Lijie Ci, Li Song, Chaitra Rai, Deep Jariwala, Kevin F Kelly, Pulickel M Ajayan, "Novel liquid precursor-based facile synthesis of large-area continuous, single, and few-layer graphene films", **Chemistry of Materials**, 22 (2010), 3457-3461 (IF – 10.510, Cited - 328).
3. Lijie Ci, Li Song, Chuanhong Jin, Deep Jariwala, Dangxin Wu, Yongjie Li, **Anchal Srivastava**, ZF Wang, Kevin Storr, Luis Balicas, Feng Liu, Pulickel M Ajayan, "Atomic layers of hybridized boron nitride and graphene domains", **Nature materials**, 9 (2010), 430-435 (IF – 47.660, Cited - 2234).
4. Jung Joon Yoo, Kaushik Balakrishnan, Jingsong Huang, Vincent Meunier, Bobby G Sumpter, **Anchal Srivastava**, Michelle Conway, Arava Leela Mohana Reddy, Jin Yu, Robert Vajtai, Pulickel M Ajayan, "Ultrathin planar graphene supercapacitors", **Nano Letters**, 11 (2011), 1423-1427 (IF – 12.260, Cited – 1319).
5. Arava Leela Mohana Reddy, **Anchal Srivastava**, Sanketh R Gowda, Hemtej Gullapalli, Madan Dubey, Pulickel M Ajayan, "Synthesis of nitrogen-doped graphene films for lithium battery application", **ACS Nano**, 4 (2010), 6337-6342 (IF – 18.030, Cited - 1702).

Book Chapters: 04 (Publisher: Springer Handbook of Nanomaterials and Elsevier)

Review Articles: 05

Projects: Completed (4), Ongoing (1)

Online Courses: 01 (Total 30 modules) (Production of Courseware- Content for Post Graduate Courses: Subject: Material Science Paper: Nanoscience and Technology-II: An MHRD Project under its National Mission on Education through ICT (NME-ICT)).

International Collaborations: (1) Prof. P. M. Ajayan, Rice University, USA (2) Prof. Klaus Von Klitzing, Max Planck Institute, Germany, (3) Prof. IL Kwon Oh, KAIST, South Korea.