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RESUME

Name	Dr.Pranjala Tiwari
Date of Birth	17.09.1990
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Department / Discipline	

Educational Qualifications

Exam Passed (Pl. Tick)	Institution | University	% & Class Obtained	Year
Degree: B.E	RGPV Bhopal	78.5 Distinction	2013
PG: M.Tech	Delhi Technological University	9.23 Gold medalist	2016
Higher: PhD	IIT Roorkee	Awarded	2020
Post doctorate	Silesian Technical University Poland	Awarded	2022

Experience

Nature of Experience	No. of Years
Teaching	0.5
Industry/Research	4
Total No. of years of Experience	4

Experience Details

Designation	Institution/ Organization	Duration
Associate Professor	SJCIT, Chickballapur	01/07/2022 To Present
Research Assistant Professor	Silesian Technical University Poland	1 Year
Junior research fellow	IIT Roorkee	1 year
Assistant Professor	Lovely Professional University, Jalandhar	6 months

Awards and Achievement

1. Vice Chancellor's Gold Medalist, awarded by Delhi Technological University, Delhi (2016).

2. Awarded with DST Inspire Fellowship for pursuing PhD (Grant no - 2017/IF170545) dated January 2018.

3. Awarded MHRD scholarship for pursing M.Tech, dated March 2014.

Areas of Research Interest & Guidance	Thin films, Energy storage devices, Nanotechnology, Carbon Nanotubes
Distinctions/Awards Received	6
National/ International Work Shops/ Seminars / Conferences Attended	12
No. of Papers Presented/ Books Published	16 (Papers Presented)
	1) Pranjala Tiwari, Dawid Janas, Ramesh Chandra, Self-standing MoS2/CNT and MnO2/CNT one dimensional core shell heterostructures for asymmetric supercapacitor application, Carbon 177, 291-303 (2021). Impact factor: 8.821 2. **2)** Pranjala Tiwari, Jyoti Jaiswal, Ramesh Chandra, Hierarchal growth of MoS2@CNT heterostructure for all solid-state symmetric supercapacitor: Insights into the surface science and storage mechanism, Electrochimica Acta 324, 134767 (2019). Impact factor: 6.261 3. **3)** Pranjala Tiwari, Gaurav Malik, Ramesh Chandra, Phase-dependent structural and electrochemical properties of single crystalline MnS thin films deposited by DC reactive sputtering, Journal of Applied Physics 124, 195106 (2018). Impact factor: 2.328 4. **4)** Pranjala Tiwari, Jyoti Jaiswal, Ramesh Chandra, Optical and electrical properties of highly ordered α-, γ- and α + γ-MnS films deposited by reactive sputtering technique, Journal of Applied Physics 126, 213108 (2019). Impact factor: 2.328 5. **5)** Pranjala Tiwari, Kamlesh Patel, Lucky Krishnia, Reetu Kumari, Pawan K. Tyagi, Potential application of multilayer n-type tungsten diselenide (WSe2) sheet as transparent conducting electrode in silicon heterojunction solar cell films, Computational Materials Science 136, 102-108 (2017). Impact factor: 2.863. **6)** Jyoti Jaiswal, Pranjala Tiwari, Preetam Singh, Ramesh Chandra, Fabrication of highly responsive room temperature H2 sensor based on vertically aligned edge-oriented MoS2 nanostructured thin film functionalized by Pd nanoparticles, Sensors and Actuators B: Chemical 305, 128800 (2020). Impact factor: 7.10 **7)** Pranjala Tiwari, Dawid Janas, Emergent pseudocapacitive behavior of single-walled carbon nanotube hybrids: a materials perspective, Power sources (Under press), Impact factor: 7.2 **8)** Deepika Jhanjharia, Pranjala Tiwari, Planar Microsupercapacitors Based on Oblique Angle Deposited Highly Porous TiN Thin Films, ACS Appl. Mater. Interfaces, doi.org/10.1021/acsami.2c03213, Impact factor: 9.229 **9)** Jyoti Jaiswal, Amit Sanger, Pranjala Tiwari, Ramesh Chandra, MoS2 hybrid heterostructure thin film decorated with CdTe quantum dots for room temperature NO2 gas sensor, Sensors and Actuators B: Chemical 305, 127437 (2019). Impact factor: 7.10 **10)**. Vinay Kumar, Pranjala Tiwari, Lucky Krishnia, Reetu Kumari, Anshika Singh, Arnab Ghosh, Pawan K. Tyagi, Green route synthesis of silicon/silicon oxide from bamboo, Adv. Mater. Letters 7(3), 271-276 (2016). Impact factor: 1.15 **11)**. Ravikant Adalati, Ashwani Kumar, Meenakshi, Pranjala Tiwari, Ramesh Chandra, Catalyst free approach for the fabrication of CoN//Zn3N2 asymmetric configuration for highly efficient flexible supercapacitor, Applied Physics Letters, APL20-AR-05628 (2020). Impact factor: 3.59 **12)** Deepika Jamwal, Dolly Rana, Ashish Soni, Meenakshi Dudi, Ahmad Umar, Pranjala Tiwari, Akash Katoch, Surinder Kumar Mehta, Protein (bovine serum albumin) driven copper selenide and copper telluride nanostructures: structural, optical and

	electrical properties, Journal of Materials Science: Materials in Electronics 30, 11317–11326 (2019). Impact factor: 2.19 **13)** Pranjala Tiwari, J Jaiswal, R Chandra, In situ Fabrication of Tugnsten Disulfide on Copper Foam for Application as Electrodes in Supercapacitors by Reactive Sputtering Technique, AIP Conference Proceeding, 286 (2019). **14)** J Jaiswal, Pranjala Tiwari, R Chandra, Tunable Plasmonic Properties of Silver Nanoparticles Embedded in Amorphous-Carbon Ultrathin Films Deposited by Co-Sputtering, AIP Conference Proceeding , 254 (2019). **15)** Pranjala Tiwari, Dawid Janas, Ramesh Chandra, Ultrahigh Rate Supercapacitor based on Self-Standing Carbon Nanotubes Supported Vertically Aligned MoS2 Sheets, MRS Advances, 1-8 (2020). **16)** Pranjala Tiwari, R Chandra, In-situ Fabrication of Alternately Stacked MoS2/Au Multilayered ThinFilm Electrodes for Electrochemical Energy Storage Application, Recent Research Trends in Energy Storage Devices, Springer, ISBN 978-981-15-6394-2.

Date: 15.07.2022

Signature of the Candidate