



||Jai Sri Gurudev ||

## S J C Institute of Technology, Chickballapur – 562 101

### RESUME

<b>Name</b>	Dr. Pranjala Tiwari			
<b>Date of Birth</b>	17.09.1990			
<b>Address</b>	<i>ContactAddress:</i> SP Bunglow, Near KSRTC Bus depot Chickballapur, Karnataka <i>Residential Address:</i> SP Bunglow, Near KSRTC Bus depot Chickballapur, Karnataka <i>ContactNos:</i> +91-8989660154 <i>E-mail:</i> pranjalat.ece@sjict.ac.ni <i>Mobile:</i> +91-8989660154			
<b>Department / Discipline</b>	<b>Electronics and Communication</b>			
<b>Educational Qualifications</b>	<b>Exam Passed (Pl. Tick)</b>	<b>Institution   University</b>	<b>% &amp; Class Obtained</b>	<b>Year</b>
	<b>Degree:</b> B.E	RGPV Bhopal	78.5 Distinction	2013
	<b>PG:</b> M.Tech	Delhi Technological University	9.23 Gold medalist	2016
	<b>Higher:</b> PhD	IIT Roorkee	Awarded	2020
	<b>Post doctorate</b>	Silesian Technical University Poland	Awarded	2022
<b>Experience</b>	<b>Nature of Experience</b>		<b>No. of Years</b>	
	Teaching		3.5	
	Industry/Research		7	
	Total No. of years of Experience		10.5 years	
<b>Experience Details</b>	<b>Designation</b>	<b>Institution/ Organization</b>	<b>Duration</b>	
	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		
<b>Awards and Achievement</b>	<ol style="list-style-type: none"><li>1. Vice Chancellor's Gold Medalist, awarded by Delhi Technological University, Delhi (2016).</li><li>2. Awarded with DST Inspire Fellowship for pursuing PhD (Grant no - 2017/IF170545) dated January 2018.</li><li>3. Awarded MHRD scholarship for pursuing M.Tech, dated March 2014.</li><li>4. Award for Excellence in Teaching &amp; Research by SJCIT in 2023.</li></ol>			

<b>Areas of Research Interest &amp; Guidance</b>	Thin films, Energy storage devices, Nanotechnology, Carbon Nanotubes
<b>Grants Received</b>	<ol style="list-style-type: none"> <li>1. AICTE IDEA LAB : 1.06 crores</li> <li>2. MSME Hackathon 3.0 :15 lakhs</li> <li>3. KSCST-FPP-STI : 4.19 lakhs</li> <li>4. DST-ITS Grant : 1.8 lakhs</li> </ol>
<b>Impact driven Project</b>	1. Namma Cop 24x7 WhatsApp chatbot
<b>Distinctions/Awards Received</b>	6
<b>National/ International Work Shops/ Seminars / Conferences Attended</b>	12
<b>No. of Papers Presented/ Books Published</b>	16 (Papers)

- 1) Pranjala Tiwari, Dawid Janas, Ramesh Chandra, Self-standing MoS<sub>2</sub>/CNT and MnO<sub>2</sub>/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, Hierarchical growth of MoS<sub>2</sub>@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  $\alpha$ -,  $\gamma$ - and  $\alpha + \gamma$ -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 (WSe<sub>2</sub>) 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 H<sub>2</sub> sensor based on vertically aligned edge-oriented MoS<sub>2</sub> 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 Jhanjhar, 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, MoS<sub>2</sub> hybrid heterostructure thin film decorated with CdTe quantum dots for room temperature NO<sub>2</sub> 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//Zn<sub>3</sub>N<sub>2</sub> 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 Tungsten 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 MoS<sub>2</sub> Sheets, MRS Advances, 1-8 (2020).
- 16)** Pranjala Tiwari, R Chandra, In-situ Fabrication of Alternately Stacked MoS<sub>2</sub>/Au Multilayered ThinFilm Electrodes for Electrochemical Energy Storage Application, Recent Research Trends in Energy Storage Devices, Springer, ISBN 978-981-15-6394-2.

**Date: 17.11.2025**



**Signature of the Candidate**