

**Name:** Dr. Shelja Sharma

**Designation:** Research Associate, CIAB, Mohali

**Date of birth:** Dec 14<sup>th</sup>, 1990

**Email id:** [sshhelja@yahoo.in](mailto:sshhelja@yahoo.in)

**Date of joining:** April 29<sup>th</sup>, 2019

**Responsibility at CIAB:** To carry out research related to biomass-derived carbohydrates to furanic molecules using the as prepared photocatalyst, characterization of heterogeneous catalysts, catalysis kinetics, etc.



### **EDUCATIONAL QUALIFICATION:**

S.No.	Degree	University/Board	Subjects	Year
1.	PhD*	Panjab University	Chemistry	31 <sup>st</sup> Dec 2018
2.	M.Sc	Thapar University,	Chemistry	2013
3.	B.Sc.	Panjab University	Physics, Chemistry, Maths	2011

\*Thesis Submitted

### **Awards/Honours/Recognitions**

- Qualified GATE-2013 with AIR 1183
- Recipient of **UGC-BSR** fellowship (Sept, 2014- Dec, 2018)
- Awarded with Newton-Bhabha PhD Placement in United Kingdom sponsored by British Council and DBT, Govt. of India. (July 2018- Oct, 2018)

### **Selected Publications**

- Journal of Colloid and Interface Science 533 (2019) 227-237.
- Journal of alloys and compounds, 748 (2018) 818-853.
- New Journal of Chemistry, 42(9) (2018) 7445-7456.
- Sensors and Actuators. B 243 (2017) 1148-1156.
- New Journal of Chemistry, 42 (2018) 1921-1930.
- Ceramics International, 43 (2017) 7011- 7019.

### **Book Chapter**

Carbon dots based fluorescent sensors, Nanomaterials Based Flexible and Multifunctional Sensors, American Scientific Publishers, 2017, 1-45.