

**1. Amritpal Singh**

**2. Degrees with fields, institutions, and dates**

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|-----------------------------|--------------------------------|------|
| a. B. Tech (Nanotechnology) | SGGSW University, India        | 2015 |
| b. M. Tech (Nanotechnology) | SGGSW University, India        | 2016 |
| c. MS (Eng Management)      | Arkansas State University. USA | 2023 |

**3. Academic Experience (Part Time as a GAs): 5 yrs. Aug. 2016- Dec 2023**

Arkansas State University (3 Months)  
Research assistant, May 2024- Aug 2024

Arkansas State University (1 year, 3 Months)  
Graduate Teaching Assistant, September 2022- December 2023

A-One Tuition Classes (3 years, Appx)  
Tutor, August 2016- July 2019

Semi-Conductor Laboratory (Department of Space) (6 Months)  
Junior Research Associate, January 2016- July 2016  
Title - Design and manufactured MEMS based micro-valve for space application to reduce fuel consumption in the spacecraft.

Liquid Propulsion System Center (ISRO) (1 Week)  
Junior Research Associate, June 23, 2016- June 29, 2016  
Title- Assembling and testing a precision fluid control micro-valve for future generation miniaturized spacecraft.

**4. Non-Academic/ Industry Experience:**

- Navaar Infocom pvt, ltd. (3 yrs appx.)
- Quality Inspector, Sept. 2019- July 2022

**5. Internship and Trainings:**

- Panjab University, Chandigarh, India (June 2013- July 2013)  
Training on synthesis of gold nanoparticles and conjugation with ovalbumin (OVA) at different pH values.
- Thapar University, India (June 2014- July 2014)  
Training on material characterization tool such as XRD, SEM, AFM, DLS, Optical Microscope.
- Sri Guru Granth Sahib World University, India. (January 2015- July 2015)  
Project On study of different boron-based nano-composition as neutron shielding materials.
- Dr. B R Ambedkar National Institute, Jalandhar, India. (Sep. 19, 2016- Sep. 23, 2016.)  
Short Term course on “Recent Advances in Nanostructures Materials”.

**6. Conference Participation:**

- Synthesis of gold nanoparticles and conjugation with Ovalbumin (ova) at different pH values. Emerging Horizons in Science and Technology (EHST 2014), Fatehgarh Sahib, India, 01/17/2014.
- Participate in International Conference on Interdisciplinary Areas with Chemical Science (ICIACS 2013), Chandigarh, India.