

**Name:** Indu Bala

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### **Education**

**M.Sc. Mathematics** (2017, Himachal Pradesh University, Shimla campus)

**National Eligibility Test (NET)** June 2016

**Registered in Ph.D.** (21<sup>th</sup>.August, 2019, Punjabi University, Patiala campus)

**Title of Ph. D synopsis:** Study of convection diffusion equations using Bessel collocation method

### **Professional Experience:**

Department of Mathematics,, M.M. Modi College, Patiala, India (8 jan. 2018-30 april 2017)

Department of Mathematics,, M.M. Modi College, Patiala, India (19 sept. 2019-presently also working)

### **Teaching Interests:**

Differential Equation and Numerical Analysis

### **Activities**

Regular NSS activities from 2013-2014 to 2014-2015 under the theme clean-n-green from PG college Una Himachal Pradesh University, Shimla

### **Conference / Seminars**

#### **(A) Paper presented:**

Indu Bala and Shelly Arora (2019) "A note on Bessel collocation approach to solve Lane-Emden Equation using shifted Legendre collocation points" in 2<sup>nd</sup> international conference on mathematical modelling, applied analysis and computational organized by department of mathematics, faculty of sciences, JECRC university, Jaipur (Rajasthan), India.

#### **(B) Attended**

- National seminar on algebra and its applications(2016) organised under UGC special assistance programme-DRS-II in Department of mathematics and statistics, Himachal Pradesh University, Summer Hill, Shimla 26-03, 2016.
- National seminar on advances in mathematics and information of sciences (2019) organised under DBT sponsored star college scheme at Sri. Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib 23-03, 2019.