Navpreet Singh Noorie, Ph.D.

Department of Mathematics
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DOB: October11, 1970

PROFESSIONAL EXPERIENCE

Professor of Mathematics at Punjabi University Patiala, India (Joined as Assistant Professor in August 2001).

Teach the following subjects to PhD and Masters' courses: Topology, Category Theory. Previously also taught Algebra, Homological Algebra to M.Sc. and Linear Algebra to B.Sc. Classes.

Administrative Experience: Head of the Department of Mathematics, Punjabi University for three years ending Dec 2018

AREA OF RECENT RESEARCH

- Topology: Compactness, Closure Operators, Hyperclosed Sets, Soft Sets and Mappings, Ideal Spaces and Categorical Structures.

EDUCATION

Ph.D. Department of Mathematics, Punjabi

University, Patiala

1995 MSc in Mathematics from Osmania University.

Some Selected Publications

1. **Applications of Soft Dense Sets to Soft Continuity** (With Sandeep Kaur) *Advances in Mathematics: Scientific Journal, 9 (2020), 3623-3630.*

2. **On Soft Continuity and Its Characterizations** (With Sandeep Kaur) *Italian Journal of Pure and Applied Mathematics (ACCEPTED)*

3. **θ-closure and $T_{2\frac{1}{2}}$ spaces via Ideals**. (With Nitakshi Goyal) *Italian Journal of Pure and Applied Mathematics 41(2019), 571-583.*

4. **Categorical Characterizations of Some Results on Induced Mappings** (With Nitakshi Goyal). *The Punjab University Journal of Mathematics 51(5) (2019). 15-25.*

5. **Characterizations of Pointwise - I-Continuous, Pointwise-I-Open and Pointwise-I - Closed Maps** (With Nitakshi Goyal) *International Journal of Pure and Applied Mathematics 118(4) (2018), 883-894.*

6. **I-convergence and τ^{*}-Closedness of I- Compact Sets** (With Nitakshi Goyal). *Journal of Advanced Studies in Topology (8) (1) (2017), 78-84.*

7. **Characterization of θ-Closed Sets Using Separation Axioms** (With Nitakshi Goyal) *Journal of Advanced Studies in Topology (8) (2) (2017), 159-163.*

8. **Remarks on soft axioms** (With Anakh Singh) *Annals of Fuzzy Mathematics and Informatics,* 14(5) (2017), 503-513

9. **On Hyperclosed Sets***,* (With Anakh Singh) *International Journal of Pure and Applied Mathematics, 102(1) (2015), 39-50*

10. **On regularly almost countably compact sets in cpH(i)-Spaces and related maps**, (With Sandeep Kaur) *International Journal of Pure and Applied Mathematics,102(1) (2015), 51-56.*

11. **Charachterizations of pre-R_0, pre-R_1 spaces and p*closedness of strongly compact (countably p-compact) sets** (With Anakh Singh) *Journal of Advanced Studies in Topology, 5(1) (2014), 50-56.*

12. *Map Gluing Theorems for θ-continuous and sθ-continuous Maps on Topological Spaces* (With Sandeep Kaur) *Journal of Advanced Studies in Topology, 5(1) (2014), 9-13.*

13. **Remarks on QHC and θ-closed sets** (With Anakh Singh) ***Journal of Advanced Studies in Topology, 5(4) (2014), 25-30.***

14. **Some Characterizations of Continuity And Pointwise Equicontinuity Of Maps Between Metric Spaces** *South East Asian Journal of Mathematics and Mathematical Sciences* Volume 10 (1) (2011) 59-66

15. **Some Characterizations of Open, Closed and Continuous Mappings** (With Rajni Bala) *International Journal of Mathematics and Mathematical Sciences* Hindawi 2008/1/1

16. **When A Compact (Countably Compact) Set is Closed II** (With G.L. Garg) *Acta Mathematica Hungarica,* 105, 331-337 (2004)

THESIS SUPERVISION

PhD thesis supervision: 03
Under Supervision: 2