# STAFF PROFILE

1) Name                            :        Dr.G.Sindhu

2) Designation               :        Assistant Professor & Head

3) Department                :        Mathematics SF

4) Qualification             :        M.Sc., M.Phil., HDCA., Ph.D., SET Cleared

5) Experience                  :        Teaching: 15 Years 4 Months         Research: 3 Years

6) Area of Specialization (s)  :        Topology & Graph Theory

7) E-mail                          :        sindhukannan23@gmail.com

8) Academic Qualifications:         M.Sc., M.Phil., HDCA., Ph.D., SET Cleared

9) Additional Qualifications:

| Diploma/ Vocational/ Certification | Area of Spealization | Institution/ University/ Agency Name | Year |
|---|---|---|---|
| HDCA | Computer Application | CSC Computers | 2005-2006 |

10) Research Guidance

| Programme | No. of Scholars | |
|---|---|---|
| | Completed | Pursuing |
| Ph. D. | - | 4 |
| M. Phil. | 1 | - |

11) Research Publications

## International

1. G.Sindhu, K.Indirani, On Regular generalized star b-closed sets, Int. Journal of Mathematical Archive-4(10) (2013),85-92
2. G.Sindhu, K.Indirani, On Contra rg*b-continuous functions and Approximately–rg*b-continuous functions in Topological Spaces, Int.Journal of Mathematical Archive-4(12) ,2013 ,87-93.
3. G.Sindhu, K.Indirani, Applications of rg*b-open sets , Journal of Global Research in Mathematical Archives, vol 1,No.12,(2013) , 40-49
4. G.Sindhu, K.Indirani, On rg*b-compactness and connectedness in Topological Spaces, Int. Journal of Mathematical Archive-5(2)(2014), 59-64.
5. G.Sindhu, K.Indirani, rg*b-Separation Axioms, Int. Journal of Computer Application-4(vol 3),(2014), 146-156

6. G.Sindhu, K.Indirani, G.Sindhu, K.Indirani, On Regular Generalized Star b closed sets in Bitopological spaces, Asian Journal of Current Engineering and Maths (2014) Volume 3.Issue6.22.89-93

7. G.Sindhu, K.Indirani, On rg*b-Locally Closed sets in Bitopological spaces, Journal of Global Research in Mathematical Archives, Volume 2, No. 3 (2014), 1-7.

8. G.Sindhu, K.Indirani, Minimal rg*b-Open and Maximal rg*b- closed sets , Int. Journal of Interdisciplinary Research and Innovations, Vol. 2, Issue 3, 2014, 14-21.

9. G.Sindhu, K.Indirani, New Class of rg*b-Continuous Functions in Topological spaces, Int. Journal of Fuzzy Mathematical Archive, Vol. 5, No. 2, (2014), 103-111

10. G.Sindhu, K.Indirani, On Nano Generalized β Regular spaces and Nano Generalized β Normal spaces. Annals of Pure and Applied Mathematics, Vol 14, No.2, 2017,225-229

11. G.Sindhu, K.Indirani, On Nano Generalized β locally closed sets and Nano Generalized β locally closed continuous functions in Nano Topological spaces, International Journal of Advanced Research, Vol.5, No.7, 2017, 2310-2315

12. G.Sindhu, K.Indirani, On Nano $(\tau_1,\tau_2)$ Generalized β closed sets and Nano $(\tau_1,\tau_2)$ Generalized β open sets in Nano Bitopological Spaces, International Journal of Mathematical Archive, Vol.8, No.8, 2017, 198-203

13. G.Sindhu, K.Indirani, Decomposition of rg*b-Closed Sets in Supra Topological Spaces, International Journal of Trend in Research and Development, Vol 4, No.6,2017, 464-467

14. G.Sindhu, Characterization of a new form of Kernel set in Topological spaces, International Journal of Scientific Research and Review, Vol-8, Issue-6,2019, 740-747.

15. G.Sindhu, Intutionistic fuzzy soft gb-closed and gb-open sets in intutionistic fuzzy soft topological spaces, INFOKARA Research, Vol-8, issue-10, 2019, 540-554

16. G.Sindhu, Neutrosophic Regular Generalized Star B-Closed Sets In Neutrosophic Topological Spaces, The International journal of analytical and experimental modal analysis, Vol-11 issue-11, 2019, 73-79

17. G.Sindhu, On Pythagorean Nano Regular Generalized Star b-Closed sets in Pythagorean Nano Topological Spaces, Alochana Chakra Journal Volume 9, Issue 8, 2020, 506- 513

12) Other Publications

On Regular generalized star b-closed functions, Proceedings of NARC, (2013),74-78.

13) Presentations in Conference

**International - 3**

**National - 4**

14) Participation in Conference - 5

15) Participation in Seminar-10

16) Participation in Workshop-2

17) Participation in Orientation Programme/ Induction Programme/ Short term Courses

❖ Attended an STTP on "*Applications of Mathematical Sciences"* organized by the Dept of Basic Science and Humanities (Mathematics Division), KDK College of Engineering,

Nagpur, from 13.07.2020 to 18.07.2020 for 6 days

18) Participation in Faculty Development Programme - 6

19) Conference/ Seminar/ Workshop Organized:

- Seminars- 10
- Workshops - 8

20) Member in Board of Study – BOS member of Mathematics, Nirmala College for Women.

21) Membership in Professional Bodies

| Name of Professional Body | Nature of Membership | Duration |
|---|---|---|
| Member of Academic Council, Nirmala College for Women, Coimbatore | As a HOD | 2014 to Till Date |