

## STAFF PROFILE

- 1) Name : VAIYOMATHI.K
- 2) Designation : ASSISTANT PROFESSOR
- 3) Department : MATHEMATICS(SF)
- 4) Qualification : M.Sc., M.Phil., B.Ed., PGDCA., (Ph.D.)
- 5) Experience : Teaching: 10 years 6 months; Research: 8 years
- 6) Area of Specialization (s) : Topology, Graph Theory
- 7) E-mail : vaiyomathi@gmail.com
- 8) Academic Qualifications: M.Sc., M.Phil., B.Ed., PGDCA., (Ph.D.)
- 9) Additional Qualifications:

| Diploma/ Vocational/ Certification | Area of Specialization | Institution/ University/ Agency Name | Year      |
|------------------------------------|------------------------|--------------------------------------|-----------|
| PGDCA                              | Computer Application   | Bharathiar University                | 2018-2019 |

### 10) Research Guidance

| Programme | No. of Scholars |          |
|-----------|-----------------|----------|
|           | Completed       | Pursuing |
| Ph. D.    | -               | -        |
| M. Phil.  | 2               | -        |

### 11) Research Publications

#### International

- Vaiyomathi.K and F. Nirmala Irudayam, "A new forms of infra open sets in infra topological spaces" Mathematical Science international research journal, (2016) Vol 5, issue no 2, pp.191-194, ISSN NO:978-93-84124-93-9.
- Vaiyomathi.K and F. Nirmala Irudayam, "Infra generalized b-closed sets in infra topological spaces", International journal of Mathematics trend and technology (UGC Approved Journal), (2017) Vol-47, issue 1, pp no.56-65, ISSN NO:2231-5373.

- Vaiyomathi.K and F. Nirmala Irudayam," Infra generalized b-continuous functions in infra topological spaces", International journal of Mathematics trend and technology, (2017)  
Vol-7, issue no-1, pp no.14087-14090,
- Vaiyomathi.K and F. Nirmala Irudayam, "Characterizations of infra b-separation axioms in infra topological spaces" Nirmala Annual research congress, (2017), pp no.162-167, ISBN No:978-93-5279-759-2.
- Vaiyomathi.K and F. Nirmala Irudayam," A Basic structure of nearly open sets in neutrosophic crisp infra topological spaces", Mathematical Sciences international research journal, (2018), Vol-7, issue 2, pp no. 143 ISBN No: 978-93-5321-859-1.
- Vaiyomathi.K and F. Nirmala Irudayam, "A new forms of neutrosophic infra open sets in neutrosophic infra topological spaces" Nirmala Annual research congress. (2018), p.no;108-115, ISBN NO:978-93-5321-859-1.
- Vaiyomathi.K and F. Nirmala Irudayam, "A characterization of neutrosophic infra b-open sets in neutrosophic infra topological spaces", International journal of Scientific research and review (UGC CARE Journal), (2019), Vol-8, issue-4, pp no: 548-556, ISSN No:2279-543X.
- Vaiyomathi.K and F. Nirmala Irudayam, "Bipolar Neutrosophic Cubic Graphs and Its Applications", Advanced Applications of Graph theory in Modern Society, IGI Global publisher of timely knowledge, (BOOK CHAPTER) (2019)., ISBN 13:9781522593805
- Vaiyomathi.K and F. Nirmala Irudayam, " Different classes of contra mappings in infra topological spaces", The international journal of Analytical and Experimental Modal Analysis (UGC CARE Journal),2019, ISSN NO:0886-9367.
- Vaiyomathi.K and F. Nirmala Irudayam, " On Neutrosophic infra generalized closed sets in Neutrosophic infra topological spaces", Alochana Chakra journal (UGC CARE Journal), (2020), Vol. IX, Issue VIII, pp no:467-475, ISSN NO:2231-3990.

12) Presentations in Conference      **International-4**      **National-2**

13) Participation in Conference - 5

14) Participation in Seminar - 5

15) Participation in Workshop - 5

16) Participation in Orientation Programme/ Induction Programme/ Short term Courses- 2

17) Participation in Faculty Development Programme - 7