

## STAFF PROFILE

**Name** : Dr.R.CHITRA  
**Designation** : Coordinator &  
Assistant Professor



**Date of Entry into Service** : 15.06.2011

**E-mail** : [chitrar@maduracollege.edu.in](mailto:chitrar@maduracollege.edu.in)

**Mobile (Optional)** : 9677154015

**Education** : M.Sc., M.Phil., Ph.D.,P.G.D.C.A.,

**Areas of specialization** : Graph theory

### **Projects undertaken**

| Title of the Project | Name of the funding Agency | Duration | Completed/Ongoing | Amount | Remarks |
|----------------------|----------------------------|----------|-------------------|--------|---------|
|                      |                            |          |                   |        |         |

### **Seminars Organized**

| Title of the Seminar/Conference/Workshop | Date | Sponsoring Agency | National/State/International | Co-ordinator/Convener |
|--|------|-------------------|------------------------------|-----------------------|
|  |      |                   |                              |                       |

## Seminars, Workshop and Conferences Attended

| Title of the Seminar/Conference/Workshop  | Date                       | Sponsoring Agency | National/State/International | Organization in which attended              |
|---|----------------------------|-------------------|------------------------------|---|
| 1. Two days National Seminar on Recent Trends in Distance in Graphs.  | 12-13 March. 2012.         | UGC               | National                     | Ayya Nadar Janakiammal College, Sivakasi.   |
| 2. Seminar on Recent Developments in Graph Structures.<br><b>Title of the Paper :</b> Complete Harmonious Coloring in Graphs. | 16-17 March 2012.          | UGC               | National                     | MannarThirumalai Naicker College, Madurai.  |
| 3. Seminar on Emerging Trends in Mathematics.   | 5-6 Oct. 2012.             | UGC               | State                        | Lady Doak College, Madurai.                 |
| 4. Seminar on Current Trends in Mathematical Research,  | 11 <sup>th</sup> Oct.2012. | UGC               | State                        | SermathaiVasan College for Women, Madurai.  |
| 5. Conference on Recent Trends in Labeling and Domination in Graphs   | 14-15 Dec.2012.            | UGC               | National                     | EMG Yadhava Women's College, Madurai,       |
| 6. Seminar on Vistas in Mathematics.  | 9 <sup>th</sup> Feb.2013.  | UGC               | State                        | Sri Ramasamynaidu Memorial College, Sattur. |
| 7. Conference on Advances and Applications in Mathematical Modeling.  | 15-16 April. 2013          | DST & CSIR        | National                     | The Madura College, Madurai.                |

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|--|----------------------------------|--------------|---------------|---|
| 8. Conference on labeling and Decompositions of Graphs.<br><b>Title of the Paper</b> : Complete Harmonious Coloring in Graphs    | 29-30<br>August 2013.            | UGC          | National      | The Madura College,<br>Madurai                  |
| 9. Conference on Mathematical Computation and Modeling.<br><b>Title of the Paper</b> : Complete Harmonious Coloring in Graphs II | 6 <sup>th</sup> Jan.2014         | CSIR         | International | The Madura College, Madurai.                    |
| 10. Seminar Recent Research Developments in Mathematics.   | 11 <sup>th</sup> Feb.2014.       | UGC          | State         | Sri. S.Ramasamy Naidu Memorial College, Sattur. |
| 11. Seminar on Applications in Fuzzy Mathematics and Fractal Geometry  | 21 <sup>st</sup> Feb.2014.       | UGC          | National      | American College,<br>Madurai,                   |
| 12. Seminar on New Areas in Graph Theory.  | 13 <sup>th</sup> March<br>2014   | UGC          | State         | MannarThirumalaiNaicker College,<br>Madurai     |
| 13. Seminar on Recent Trends in Mathematical Models.<br><b>Title of the paper</b> : Harmonious Strong Domination in Graphs.      | 14 <sup>th</sup> August<br>2014. | UGC          | State         | MannarThirumalai Naicker College,<br>Madurai.   |
| 14. Seminar on Advances in Mathematics and its applications.   | 26 <sup>th</sup> Sep.2014.       | UGC          | State         | The Madura College, Madurai,                    |
| 15. Workshop on Graph theory and its applications.   | 27-28Nov.<br>2014.               | RMS and ADMA | National      | The Madura College, Madurai.                    |

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|---|---------------------------|-------------------------|---------------|---|
| 16. Eighth International Workshop on Graph Labelings.<br><b>Title of the paper :</b> A variation of Harmonious Labeling.  | 3-6 Dec.2014.             | DST, New Delhi and INSA | International | Kalasalingam university.<br>Krishnankoil. |
| 17. Two days competence building programme.   | 2-3 Jan.2015              | UGC                     | National      | The Madura College,<br>Madurai.           |
| 18. Recent Developments in Functional Analysis, Topology and Graph Theory.<br><b>Title of the paper :</b> Total bi-magic labeling on signed cycle.  | 26-27 March.<br>2015.     | UGC                     |               | The MDT Hindu College,<br>Thirunelveli.   |
| 19. Conference on Recent Development in Mathematics and its Applications.<br><b>Title of the Paper :</b> Edge Magic Labeling on Signed Graphs.  | 9 <sup>th</sup> Jun.2015. | DST                     | National      | The Madura College, Madurai.              |
| 20. Three Day National Conference on Recent Developments in Coloring, Domination and Distinguishing Codes in Graphs.<br><b>Title of the Paper :</b> Edge Magic Total Labeling of Signed Star. | 6-8 August<br>2015.       | NBHM & UGC              | National      | Government Arts College, Melur.           |

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|--|---|------------------|---------------|---|
| 21. Conference on Mathematical Science and Applications.<br><b>Title of the Paper</b> :A Note on Gracefulness and Concatenation of Permutations.       | 1 <sup>st</sup> Oct.2016.                   | UGC              | National      | Mangayarkarasi College of Arts and Science for women, Madurai |
| 22. Science Academies' Lecture Workshop on "Mathematical Modeling"   | 10 <sup>th</sup> &11 <sup>th</sup> Feb 2017 | INSc, NASi, IASc | National      | The Madura College, Madurai.                                  |
| 23.Conference on New Frontiers in Mathematics and computing-ICNFMC'19''<br><b>Title of the Paper</b> :Edge Bi magic Total Labeling on signed Necklace, | 18-19 Feb 2019                              | UGC              | International | Lady Doak College, Madurai                                    |
| 24. Workshop on Learning Management System   | 17 <sup>th</sup> Oct 2019                   |                  |               | IQAC<br>The Madura College, Madurai,                          |
| 25. Seminar on Applied Mathematics   | 13 <sup>th</sup> Feb 2020                   | UGC              | National      | The Madura College, Madurai,                                  |

### Books Published:

| Title of the Book Published | ISBN No. | Publisher if any | Year of Publishing | Authored/Edited |
|-----------------------------|----------|------------------|--------------------|-----------------|
|                             |          |                  |                    |                 |
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### Research Publications:

| Title of the Journal   | ISSN No. if any | Volume No. & Page No. if any | Year | International/ National/State |
|--|-----------------|------------------------------|------|-------------------------------|
| Electronic Notes in Discrete Mathematics.                    |                 | 48,301-304.                  | 2015 | National                      |
| Roots International Journal of multidisciplinary Researches, | 2349-8684       | Vol .1, P.N: 150-158         | 2015 | International                 |
| Journal Of Graph Labeling a Graph Theoretical Research       | 2454-4515.      | Vol .1(2), P.N: 121-128      | 2015 | International                 |

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|---|--|--------------------------|------|---------------|
| Roots International Journal of Multi disciplinary Researches. | 2349-8684.                                     | Vol .3<br>P.N:193-199,   | 2016 | International |
| Malaya Journal of Matematik,                                  | ISSN(P):<br>2319-3786<br>ISSN(O):<br>2321-5666 | Vol. S, No.<br>1, 90-94, | 2019 | International |

### Research Activities

| Degree            | No. Awarded | No. Submitted | No. Guiding |
|-------------------|-------------|---------------|-------------|
| M.Phil.,          |             |               |             |
| Ph.D.,(Part-time) |             |               |             |
| Ph.D. (Full-time) |             |               |             |

### Details of Invited Lecture / Resource Person

| Place | Date | Sponsoring Agency | Topic | Audience type | International/National/State Level |
|-------|------|-------------------|-------|---------------|------------------------------------|
|       |      |                   |       |               |                                    |
|       |      |                   |       |               |                                    |

### Academic council/Board of Studies Member

| Institution | For a period of | Dept. |
|-------------|-----------------|-------|
|             |                 |       |
|             |                 |       |

### Honours Achieved

| Agency | Recognition IN/National/State | Cash award if any(Amount) | For the service of |
|--------|-------------------------------|---------------------------|--------------------|
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### Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)

| Whether NSS/NCC/AEEP/YRC | Period |
|--------------------------|--------|
|                          |        |
|                          |        |

### Reviewer/editor of a journal

| Title of the Journal | ISSN No. if any | International/ National/State | Impact factor/h-index |
|----------------------|-----------------|-------------------------------|-----------------------|
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### Details of Orientation and Refresher attended

| Orientation/Refresher | University/College/Institute at which attended | Duration |    |
|-----------------------|--|----------|----|
|                       |  | from     | to |
|                       |  |          |    |
|                       |  |          |    |

## Any Other Information

- In 2016, I was appointed as University Observer for the TNOU term-end Examination for all UG, PG, Diploma and Certificate programme held on July 2<sup>nd</sup>, 3<sup>rd</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 30<sup>th</sup>, 31<sup>st</sup> and August 6<sup>th</sup> 2016 at CSI College of Education, Pasumalai, Madurai.
- Acted as one of the member for the Prize distribution committee of the Madura College on 2018-2019.
- Coordinator, Department of Mathematics and Statistics, The Madura College (SF), from July 2019 onwards.
- Attendance committee Convener of the Madura College (SF), from July 2019 onwards.
- Mentored team of students on Universal Human valued during the student Induction Programme (2019-2020) held on 01-07-2019 & 02-07-2019 at the Madura College, Madurai.
- Attended the “Two week online faculty Recharge Programme on ICT tools” offered on MOOC-mode by The Madura College from 7<sup>th</sup> May-20<sup>th</sup> May 2020.
- Participated in one day Webinar on “Skills acquired during the transition” held on 12<sup>th</sup> May 2020 organized by Srivenkateshwara College of technology,
- Attended two days Webinar on “Latex-learning by doing” held on 15&16<sup>th</sup> May 2020 organized by Idhaya College for women, Kumbakonam.
- Participated in one day Webinar on “Mathematics Quiz Level-1” held on 16<sup>th</sup> May 2020 organized by Madurai Sivakasi pioneer Meenakshi women’s College.
- Attended three days National level online course on “Operations Research” from 18-20 May 2020 organized by Virudhunagar Hindu Nadar senthilkumara Nadar College, Virudhunagar.
- Participated in one day webinar on “Qualitative Analysis of Differential equations and its Applications” held on 21<sup>st</sup> May 2020 organized by G.T.N College, Dindugul.
- Participated in one day online Quiz on “Applied Mathematics” held on 27<sup>th</sup> May 2020 organized by Mohamed Sathk A.J.College of Engineering, Chennai .
- Participated in two days online course on “Numerical Ability” from 27-28 May 2020 organized by Sankara College of science & Commerce, Coimbatore .
- Participated in two days webinar on “Mathematical documentation using online tools” from 28-05-2020 to 29-05-2020 organized by St.Mary’s College, Thoothukudi.
- Participated in one day webinar on “Graphs in Life”, held on 29<sup>th</sup> May 2020 organized by Don Bosco College of Arts and Science, Keela Eral, Thoothukudi.
- Participated in three days Webinar on online Quiz “Graph theory” from 5<sup>th</sup> Jun to 7<sup>th</sup> Jun 2020 organized by Government Arts College, Melur.
- Participated in one day National Level online Quiz on “Covid-19 Awareness Championship Quiz” held on 8<sup>th</sup> Jun 2020 organized by Sree sevugan Annamalai College, Devakottai.

- Participated in one day E-Quiz on “Graph theory” held on 9<sup>th</sup> Jun2020 organized by Thirukolanjiappar Government Arts College (Grade-I)Virudhachalam.
- Participated in two days National Level E-Quiz on “Graph Theory” from 13-06-2020 to14-06-2020 organized by M.D.T. Hindu College, Thirunelveli.
- Participated Webinar on “Graph Embedding” held on 16<sup>th</sup> Jun2020 organized by Don Bosco College of Arts and Science, Keela Eral, Thoothukudi.
- Participated in one day Live Webinar on “Construction of Mathematical Modeling in Epidemiology” held on 17<sup>th</sup> Jun 2020 organized by Government Arts and Science College for women, Nilakottai, Dindugul.
- Participated in three days Webinar on online Quiz “Math Intellect 2k20”from 17 -19 Jun2020 organized by Dr.N.G.P.Institute of technology, Coimbatore.
- Participated in one day E-Quiz on “Youth Red cross” held on 22<sup>nd</sup> May2020 organized by Government Arts and Science College, Kovilpatti.
- Participated in one day online Quiz on” Quantitative Aptitude” held on 26<sup>th</sup> Jun2020 organized by Madurai Sivakasi pioneer Meenakshi women’s College.
- Participated in one day Webinar on”Covid-19 Awareness Programme” held on 27<sup>th</sup> Jun 2020 organized by student development office and National service scheme, DODI BK Tal sinner DIST NASHIK.
- Participated in one day National level E-Quiz on “Statistics Envisioning the future prospects” held on 28<sup>th</sup> Jun 2020 organized by G.Venkatasmy Naidu College, Kovilpatti.
- Participated in the National webinar on “Mathematical Analysis of Air-flow coding in Modern Data centers” held on 29<sup>th</sup> Jun 2020 organized by SR Group of Institutions, Jhansi.