

Profile

NAME : **Dr. M. Sasikala**
DESIGNATION : **Assistant Professor**
DEPARTMENT : **Mathematics**
DATE OF JOINING: **01.03.2022**
MAIL ID : dr.sasikala@americancollege.edu.in



Education

2017-2021 Doctoral Degree in Mathematics, H.H. The Rajah's College,
Pudukkottai, Affiliated to the Bharathidasan University.
2007-2008 M.Phil., in Mathematics (93.8%) -V.H.N.S.N. College, Virudhunagar.
2005-2007 M.Sc., Mathematics (86.2%) – V.H.N.S.N. College, Virudhunagar.
2002-2005 B.Sc., Mathematics (65.8%) –V.H.N.S.N.College, Virudhunagar.
2002 XII Std (90 %), K.G.H.S.School, Virudhunagar.
2000 X Std (91.4 %), K.G.H.S.School, Virudhunagar.

Academic Excellence:

Got Endowment Gold Medal for M.Phil course during the year 2007-2008.

Professional Experience:(UG- 11 Years and PG – 6 Years)

Assistant Professor- Department of Mathematics

2008-2010 Arul Anandar College, Karumathur, Madurai
2011-2016 Fatima College, Madurai .
2017-2020 Arul Anandar College, Karumathur, Madurai
2022-Till date **The American College, Madurai.**

Academic Position (currently holding) :

Class Advisor – 2023 Batch (PG SF – Main Campus)

Attended Conferences

- Two-Day International Conference On “Pure And Applied Mathematics – Icopam 2022” In Association With Kerala Mathematical Association / **Even Intensity And Implementation Of Fuzzy Intrinsic Edge-Magic Graphs**. Presented In PG & Research Department Of Mathematics, TBML College, Porayar, Tamil Nadu -24.03.2022 & 25.03.2022.
- AIP conference preceedings (International) / **“Peculiar and stable energy of fuzzy intrinsic edge magic graphs”**. Presented in Bharathiyar University - February 21 &22, 2020.
- Presented in Arul Anandar College, Karumathur, Madurai- International conference on Pure and Applied Mathematics/ **“ On the construction of Fuzzy Intrinsic Edge-magic graphs”**.
- Advances in Mathematics Scientific Journal (International) / **“Fuzzy Pseudo Intrinsic Edge-Magic graphs”**
Presented and Published in International conference, Raja Doraisingam Government Arts College, Sivagangai- August 27 and 28, 2019.

Attended Webinar/FDP :

- Participated one week National Level (ONLINE) Faculty Development Programme on **“ Applications of Mathematics in Multi-disciplinary Domains “** from 01.02.2024 to 08.02.2024 jointly conducted by A.C.T.Academy , Kerala Unit and Department of Mathematics (SF), The American College, Madurai.
- Participated in the International webinar on **“Emerging Trends in Mathematics”** organised by the PG and Research Department of

Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 13.09.23.

- Faculty Orientation Programme organized by the Internal Quality Assurance Cell (IQAC), The American College, Madurai on 09.09.2023.

Research Publications

1. M. Kaliraja and M. Sasikala, On the Construction of Fuzzy Intrinsic edge magic graphs, *Journal of Mathematical and Computational Science*, 9 (2019), No. 6, pp. 692-701.(**UGC CARE LIST: SCOPUS**)
2. M. Kaliraja and M. Sasikala, Properties of prime and composite pseudo intrinsic edge-magic graphs, *International Journal of Scientific & Technology Research*, Vol. 8, Issue. 8, 2019, pp. 965-968.(**UGC CARE LIST: SCOPUS**)
3. M. Kaliraja and M. Sasikala, Premises on Fuzzy Factorizable Perfect Intrinsic Edge- Magic Graphs, *Malaya Journal of Matematik*, Vol.7, No.4, 2019, pp. 767-770. (**UGC CARE LIST: WEB OF SCIENCE**)
4. M. Kaliraja and M. Sasikala, Properties of Fuzzy Perfect Intrinsic Edge-Magic Graphs, *South East Asian Journal of Mathematics and Mathematical Sciences*, Vol.16, No. 2 (2020), pp. 71-78. (**UGC CARE LIST: WEB OF SCIENCE**)
5. M. Kaliraja and M. Sasikala, Prime Strength of Fuzzy Perfect Intrinsic Edge - Magic Graphs, *Advances and Applications in Mathematical Sciences*, vol. 19, issue 3, 2020, pp. 185-195. (**UGC CARE LIST: WEB OF SCIENCE**)
6. M. Kaliraja and M. Sasikala, Fuzzy Pseudo Intrinsic Edge-Magic Graphs, *Advances in Mathematics: Scientific Journal*, 8 (2019), no.3, pp. 214–220. (**UGC CARE LIST: SCOPUS**)
7. M. Kaliraja and M. Sasikala, Peculiar-Stable Energy of Fuzzy Intrinsic Edge Magic Graphs, *AIP Conference Proceedings*, 2261, pp. 030121-1 – 030121-8. (**UGC CARE LIST: SCOPUS**)

Dated:

(Dr. M.SASIKALA)