

Faculty Profile

Name : Dr.R. ANGEL JOY
Qualification : M.Sc., M.Phil., P.G.D.C.A., Ph.D.,
Designation : Associate Professor in Mathematics
Date of Birth : 19.11.1968
Date ofJoining : 03.02.1997
Experience : 24 years
Mailid - institutional: angeljoy@gvgvc.ac.in

Awards /recognition

Research:

Publications : 6

National/International(Scopus/Web of Science):

International

- ❖ Epiregularity in generalized topological space, Malaya Journal of Matematik, 9(1),354-356, 2021
- ❖ Reaction diffusion process at rotating disk electrode, International Journal of Research, Vol7 (9), 2018, pp 988 – 997. ISSN: 2348 6848.
- ❖ Theoretical analysis of flow of nanofluid over a stretching surface, International Journal of Mathematical Archive, Vol 9(1), 2018, pp 95 - 112. ISSN: 2229 5046
- ❖ Mathematical modeling and transient analytical solution of a glucose sensitive composite membrane for closed-loop insulin delivery using He's variational iteration method, in International Review of Chemical Engineering(I.R.E.C.H.E), Vol 4. N.5, Special Section on Open Door Initiative(ODI) -3 rd Edition, Sept 2012, pp 516- 523. ISSN:2035-1755
- ❖ A two parameter mathematical model for immobilized enzymes and Homotopy analysis method, in Natural Science, Vol 3, No. 7, July 2011, pp 556-565, ISSN: 2150-4091.

National

- ❖ Variational Approach For Strongly Nonlinear Duffing Equation, in MINDSCAPE- A Multidisciplinary, Biannual Research Journal, Vol 1, No. 1, January – June 2013, PP 29-35. ISSN: 2321-502X.

Papers Presented

- ❖ Presented a paper entitled “He’s novel variation method “ in the UGC Sponsored National Seminar on “Recent Advances in Fuzzy mathematics and its Applications”, at the Nirmala College, Coimbatore on 5,6 th of July 2011.
- ❖ Presented a paper entitled “Approximate Analytical Solution of some KdV Equations by Homotopy Perturbation Method and Variation Iteration Method” in the National Workshop on " Computational Intelligence, MATLAB and LaTeX " at Department of Mathematics, Mother Teresa Women’s University, Kodaikanal on 14- 15th March 2017.
- ❖ Presented a paper entitled “Analysis of Second Order EC- Catalytic Mechanism at the Rotating Disk Electrode” in the International Conference on Current Scenario in Pure and Applied Mathematics at PG and Research Department of Mathematics, Kongunadu Arts and Science College, Coimbatore on 14- 16th Feb 2018.

No.of Citations : 11

h-index : 2

Research -id:

Scopus-id,

Orcid-id: <https://orcid.org/0000-0002-3483-9993>

Vidwan id: <https://vidwan.inflibnet.ac.in/profile/216805>

Research gate:<https://www.researchgate.net/profile/Angel-Joy>

Google scholar-id:

<https://scholar.google.com/citations?hl=en&user=bj4zCsIAAAAJ>

Resource person

- In-service training programme for Middle School Teachers conducted under the COSIP programme at Sri G.V.G Visalakshi College for Women, Udumalpet, 7th & 8th May 2004.
- In-service training programme for All India Sainik School Teachers at Sainik School, Amaravathinagar, Udumalpet, from 3rd May 2004 to 23rd May 2004.
- In-service training programme for Middle School Teachers at Sri G.V.G Visalakshi College for Women, Udumalpet, 13th & 14th 2003.

- TNSCST Sponsored Programme on “*Creation of Scientific Awareness*” on the Topic “*Mathematics in Nature*”, at Sri GVG. Visalakshi College for Women, Udumalpet on 10th Jan 2018.
- Seminar on “*Applications of Mathematics in Current Trend*” at TiruppurKumaran College for Women, Tiruppur on 13th Feb 2019.
- Resource Person for programmes organized under UGC Paramarsh Scheme for Mentee Institutions.

Competition/ Activities Organised

- Organized DBT funded State Level Intercollegiate Competition “*GVGMATHFEST2018*” at Sri GVG Visalakshi College for Women, Udumalpet on 21.02. 18.
- Coordinated Mathematics department DBT Star College Scheme activities during the academic year 2018-2019.

COURSES ATTENDED

S.No	Name of the Course/Workshop	Institution	Period
1	Refresher Course in Environmental Sciences	Academic Staff College, Kerala University, Thiruvananthapuram.	9.05.2009 – 29.05.2009
2	Refresher Course in Mathematics	Madras University, Chennai	14.11.2007 – 04.12.2007
3	Refresher Course	Holy Cross College, Nagercoil	7.11.2003 – 27.11.2003
4	Orientation Course	Bharathiar University, Coimbatore.	25.05.2001 - 21.06.2001
5	Orientation Course in NSS	Sri Avinashilingam Education Trust Institutions, Coimbatore	12.11.2002 - 21.11.2002

Other Activities

- Member of Board of studies till date
- Co-opted Member in NSS for 2 years.
- Programme officer in NSS for 3 years
- Co-opted Member in fine arts club for 2 year.
- Member in Examination Committee for 2 years.
- Co-opted Member in Science club for 1 year.
- Co-opted Member in College Union 2 years.

- Co-opted Member of Environmental Club 1 year.
- Co-opted Member of Science Club 1 year.
- Member of Extension cell for 2 years.
- Convenor of PG Orientation club.
- Convenor of Alumni Association.
- Member of Research cell.
- Member in Admission Committee for 2 years.
- Member of IAS Study Circle.
- Member of Entry in Service Cell.
- Convenor of Research cell.
- Member of IQAC.
- Member of College Union (2015-16)