

PROFILE OF Dr.A.MOHAN

Name : **A.MOHAN**

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TIRUCHIRAPPALLI, TAMIL
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Date of Birth & Age : **10-05-1974, 46 Years**

Nationality & Religion : **INDIAN, HINDU**

Community : **BC**

ACADEMIC QUALIFICATION : **M.Sc., M.Phil., B.Ed., Ph.D , NET**

Degree	University	Name of the Institution	Class/Division	Year of Passing
B.SC	Bharathidasan	National College	First	1995
M.SC	Bharathidasan	National College	First	1997
B.Ed	Madras University	Institute of Advanced Study in Education, Saidapet	First	1999
M.Phil	Madurai Kamaraj	Madurai Kamaraj	First	2001
Ph.D	Anna University	Anna University	Commendable	2019

QUALIFICATION FOR LECTURESHIP:

Passed CSIR-NET Examination for Lectureship in Nov'2011 with All India 19th Rank

TEACHING EXPERIENCE:

Institution	Designation	From	To	Experience
Thanthai Hans Roever College		21.07.1999	13.08.2001	2 Years & 1 Month
Saranathan College of Engineering		16.08.2001	08.02.2016	14 Years & 5 Months
Urumu Dhanalakshmi College		10.02.2016	Till date	5 Years
			Total	21 Years & 6 Months

Membership in Professional Bodies: Life Member in ISTAM
[Indian Society for Theoretical and Applied Mechanics]

Guiding M.Phil students : 11 (9 completed , 2 Doing)

PUBLICATIONS :

Mohan A & Dhiyaneswaran J, 2021, 'Design and development of Rescue robot in Borewell Environment', Accepted for publication, Manuscript No:MATPR-D-21-00224

Mohan A & Ganapathy R, 2017, 'Heat transfer and cross diffusion due to a sphere of constant thermal energy embedded in a porous medium', Thermal Science, vol. 21, Suppl. 2, pp. S503- S513 .
<https://doi.org/10.2298/TSCI17S2503M>

Mohan A & Ganapathy R, 2018, 'Free convective Darcy flow induced by a temperature gradient in a hemispherical porous medium', Alexandria Eng. J., vol. 57, no. 3, pp. 2035-2042.

Mohan A & Ganapathy R, 2016, 'Unsteady Stokes flow induced by a point source of electric current in a non-Darcy hemispherical porous medium', Ain Shams Eng. J., doi.org:10.1016 / j.asej. 2016.03.017

Mohan A & Ganapathy R, 2016, 'Thermo-diffusive Darcy flow induced by a concentrated source', Ain Shams Eng. J., vol. 7, pp. 1069-1078.

Mohan A & Ganapathy R, 2015, 'Double diffusive Darcy flow induced by a spherical source', Ain Shams Eng. J, vol. 6, pp. 661–669.

Mohan A & Ganapathy R, 2014, 'weak Vortex Rings', Far East Journal of Applied Mathematics, Volume 88, Issue 2, Pages 131 – 138.

Mohan A & Ganapathy R, 2012, "Nonlinear convection in a porous medium due to the presence of a point heat source", Far East Journal of Applied Mathematics, Volume 72, 2012, Issue 1, 61 – 72.

Mohan A, Nagarajan R & Subramanian.S, 2012, "Cartesian Product of BiPolar Q- Fuzzy Lattice", Applied Mathematical Sciences, Vol. 6, no. 20, 957 – 968.

Mohan A, Nagarajan R & Subramanian.S, 2012, "Homomorphic Image of Fuzzy Soft Rings with Supremum Property under Triangular Norms", International Mathematical Forum, Vol. 7, 2012, no. 6, 281 – 295.

PAPERS PRESENTED IN CONFERENCES:

"Double Diffusive and Soret-induced Flow in a Porous Medium", 58th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), Dec 18-21, 2013, Bengal Engineering and Sciences University(BESU), Kolkatta.

"Transient Flow Induced by an Instantaneous Point Force in an Infinite Porous Medium", 57th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), Dec 17-20, 2012, Defence Institute of Advanced Technology, Girinagar, Pune.

"Lattice Points on The Ternary Cubic Equation $x^3 + y^3 + 7xy(x+y) = 16z^2$ ", International Conference on Emerging trends in Mathematics and Applications, Dec 16-18, 2010, Mepco Schlenk Engineering college, Sivakasi, India.

"Integral Points on the Hyperbola $x^2 - 6xy + y^2 + 6x - 2y + 5 = 0$ ", UGC sponsored National Seminar on Advances in Mathematics: Scientific Developments & Engineering Applications, Kuthavai Naachiyar Govt.Arts College for Women(Autonomous), Thanjavur.

GUEST LECTURES / RESOURCE PERSON:

Talk on “How to Crack CSIR-NET” at National College, Trichirappalli organised by Department of Mathematics in 2012.

Resource person for “Bridge course-Brainstroming session for Faculty members of Engineering Colleges””, held at BIT campus Trichy, sponsored by Anna University in 2013.

Resource person for “Faculty Development Programme- Mathematics -1 ”, at Kongunadu college of Engineering, Tholurpatty, Thuraiyur sponsored by Anna University in 2013.

“Challenges in teaching GEN Y Students” at ROTARY Club of Trichirappalli in 2013-14

Talk on “Understanding Student psychology for better teaching”, in the Faculty Development Programme on “Productive Teaching Methods for Effective Learning” held at Saranathan College of Engineering on 28.6.2014

Talk on “Applications of Mathematics in Daily life” in the Ramanujan Math Fest-2014 at the Paavendhar College of Arts and Science, Atthur, Salem-636121 on 17.10.2014, Friday

Lecture on “Techniques to improve the performance in Aptitude Tests” at RANE Polytechnique, Sethurappatti, Fathima Nagar, Tiruchirappalli-620012 on 4th February 2015.

Invited talk on “ Mathematics and Life” in the DST Sponsored “Mathematics Popularisation and Communication” Conference on 7th November 2015 at Kings college of Engineering, Tanjore.

Lecture on “Ramanujan - The Mathematics Genius” at Govt. Arts College Kulithalai on 22nd December 2015 on National Mathematics day.

Resource person for the 2 days FDP on Random Processes and Queueing Theory conducted at Saranathan College of Engineering, Trichirappalli during 28th and 29th December 2015.

Lecture on “Applications of Queueing theory ” at Ramakrishnan College of Engineering, Trichy on 22nd October 2016.

Lecture on “Applications of Mathematics in day to day life ” at Saradha college for women, Perambalur during 2016.

Lecture on “Mathematical modeling ” at Thiruverambur Arts College , Trichy on 21st February 2017.

Invited talk on “Ramanujan- The Mathematical Genius” at Nehru Memorial College, Puthanampatty on 22nd December 2017.

Lecture on “Applications of Mathematics” at National College, Trichy on 14th February 2018.

Lecture on “Mathematical modeling” at Jamal Mohammed college, Trichy on 14th February 2019

Chief Guest for Teachers day celebration at Jamal Mohammed college, Trichy and delivered a lecture on “Day to day applications of mathematics” on 5 th September 2019.

Invited talk on Mathematical Applications at Arignar Anna Government Arts College, Musiri on 14.3.2020

Resource person for the 2 day National level online FDP on “Techniques and applications in teaching Mathematics” conducted by K.Ramakrishnan College of Engineering and Technology, Trichy during 10th & 11th June 2020

AWARDS RECEIVED:

i)Best Teacher Award – 2013 (at Saranathan College of Engineering) ii)Best performer Award – 2015(at Saranathan College of Engineering)

ORIENTATION / REFRESHER COURSES

Completed participation in the UGC Sponsored 97 Orientation Programme conducted by HRDC, Bharathidasan University from 23.08.2017 to 19.09.2017 & obtained ‘A’ grade

Completed participation in the UGC Sponsored Refresher Course in Mathematics & Statistics conducted by HRDC, Bharathidasan University from 25.11.2020 to 08.12.2020 & obtained ‘A’ grade

OTHER INFORMATION:

Placement Officer from 24.1.2020

NSS Programme Officer from 24.1.2020 Swayam Coordinator from 6.5.2018

Coordinator for CTCP (Centre for Training & Career Planning) a forum to train the students aspiring for Government jobs like TNPSC & Bank exams

Online events during COVID-19 Lockdown

As Asst Professor of Mathematics

Organised a webinar on CSIR-NET /SET EXAMINATION- Mathematical Sciences on 27.05.2020 and acted as Resource person

Organised a state level Online Logical reasoning quiz during 24th to 28th June 2020 Organised a webinar on “Inner Product space” with Dr.P.S.Srinivasan as the resource person on 6.7.2020

Organised a webinar on “Complex Analysis” with Dr.M.Marudai as the resource person on 10.7.2020

Organised a State level Mathematics quiz for +2 students during 13.7.2020 to 30.7.2020

Organised

As NSS Programme Officer

Online debate by students to appreciate the services of the Corona Warriors with Dr.N.Vijayasundari as the Judge

State level Short film competition on the theme Corona Warriors conducted on 14.6.2020

As Placement Officer

A webinar on Career Guidance was conducted on 20.6.2020