



Dr KUPARALA VENKATA VIDYASAGAR

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Address: ,Andhra Pradesh,India - 531163

Expertise

Applied Mathematics

I have experience in advanced calculus, including differential equations, integrals, and multivariable calculus. I have experience in abstract algebra, particularly in group theory, ring theory, and field theory. I have experience in topology, understanding concepts such as open/closed sets, continuity, and connectedness. I have experience in number theory, including primes, divisibility, and modular arithmetic. I have experience in statistics, particularly in probability, distribution, hypotheses

Work experience

1. Govt Degree College, Marripalem, Koyyur Mandal 2016 — 2021

Lecturer - Senior Scale
Visakhapatnam

2. Government Degree College, Narsipatnam 2010 — 2016

Lecturer
Visakhapatnam

3. Government Degree College, Paderu 2001 — 2002

Lecturer
Visakhapatnam

Education

1. Ph.D - 2023

Andhra University

2. Ph.D - 2022

Dr B R Ambedkar Open University

3. M.Sc - 2001

Andhra University

Honours and Awards

1. BEST TEACHER AND RESEARCHER AWARD - 2022

IMRF

2. CSIR LECTURERSHIP - 2010

PROMOTED AS LECTURER IN MATHEMATICS

3. GATE QUALIFIED - 2001

IIT MADRAS M.TECH IN INDUSTRIAL AND COMPUTATIONAL MATHEMATICS

4. APPSC EXAMINATION - 2001

STATE RANK

Research Project

workshop on mathtype

Role: convener and organiser

Year 2013, Amount 50000

Membership In Professional Bodies

1. Malvaiya Mission Teacher Training Programme, 2023
TEACHER
2. IA ENG , 2020
IAENG membership number is: 251183.
3. Advanced Training in Mathematics Schools, 2015
ID: Sujanamma@1979
4. International Research Publication House (IRPH) , 2014
EDITORIAL BOARD MEMBER

Membership In Committees

1. LMS COORDINATOR, 2021
STATE SUBJECT EXPERT
2. MOOCS, 2020
MASTER TRAINEE

Patent

1. An algebraic method for solving combinatorial optimization problems
Inventor(s): 1 . Dr. Kuparala Venkata Vidyasagar 2 . Dr. M. Mallika 3 . Dr. M. Nirmala 4 . Dr. Nellore Manoj Kumar 5 . Mr. Keshav Raghunath Kale, Assignee: 1 . Dr. Kuparala Venkata Vidyasagar
Published: 0000-00-00
2. An AI based system for generating program for solving simultaneous partial differential equations by use of finite element means and method thereof
Inventor(s): 1 . Dr. P. Balaganesan 2 . Dr. M. Hemalatha 3 . Dr. S. Radhakrishnan 4 . Dr. V. Sharanya 5 . Dr. Konduru Venkateswara Raju 6 . Dr. Satakshi 7 . Mr. Kalyan Balasubramanian 8 . Dr. B. Sivaram 9 . Dr. Chandan Kumar Sahoo 10 . Dr. Kuparala Venkata Vidyasagar, Assignee:
Published: 0000-00-00
3. A fixed -Point iteration method for solving nonlinear equations
Inventor(s): Dr.B.Nageswara Rao, Assignee: Lendi Institute of Engineering and Technology (A)

4. **METHOD OF ANALYZING NUMERICAL SOLUTIONS FOR DIFFERENTIAL EQUATIONS USING NEURAL NETWORK TECHNIQUES**

Inventor(s): Dr kuparala venkata vidyasagar , Dr. R. KULANDAIVELU, Assignee:

Published: 2023-01-20

5. **A system and a method of determining common fixed point in vector space using common limit range property**

Inventor(s): Dr. Kuparala Venkata Vidyasagar Lecturer in Mathematics, Department of Mathematics, SVLNS Government Degree College, Bheemunipatnam, Visakhapatnam, Andhra Pradesh, India, Pincode: 531116 India India Mr. Ashok. K Assistant Professor, Department of Mathematics, International School of Technology and Sciences (ISTS) for Women, Rajanagaram, Rajamahendravaram, E.G. Dt, Andhra Pradesh, India, Pincode:533294 India India Dr. S. Venkateswarlu Professor, Department of Mathematics, Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous), Nandyal, Andhra Pradesh, India, Pincode: 518501 India India Dr. V. Manoj Kumar Uppuluri Assistant Professor, Department of Mathematics, Vignan's Foundation for Science Technology and Research, Vadlamudi, Guntur, Andhra Pradesh, India, Pincode: 522213 India India Dr. Hareesh G. Chaudhari Assistant Professor, Department of Mathematics, MGSM Arts, Science and Commerce College, Chopda, Maharashtra, India, Pincode: 425401 India India Dr. Repalle Pandura, Assignee: Dr. Kuparala Venkata Vidyasagar

Published: 0000-00-00

6. **Detect desirable and undesirable characteristics in manufacturing process using graph theory**

Inventor(s): Dr. Kuparala Venkata Vidyasagar Lecturer in Mathematics, Department of Mathematics, SVLNS Government Degree College, Bheemunipatnam, Visakhapatnam, Andhra Pradesh, India, Pincode: 531116 India India Dr. K.V. Suryanarayana Rao Professor, Department of Mathematics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh, India, Pincode: 518501 India India Dr. G. Purushothaman Associate Professor, Department of Mathematics, St. Joseph's College of Engineering, Chennai, Tamil Nadu, India, Pincode: 600119 India India Dr. Reema Jain Associate Professor (Senior), Department of Mathematics & Statistics, Manipal University Jaipur, Dehmi Kalan, Off Jaipur-Ajmer Expressway, Jaipur, Rajasthan, India, Pincode: 303007 India India Dr. V N Srinivasa Rao Repalle Professor, Department of Mathematics, College of Natural and Computational Sciences, Wollega University, Nekemte, Ethiopia, Post Box.No.395 India India Ms. B. Shoba Assistant Professor, Department of Mathematics, S, Assignee: Dr. Kuparala Venkata Vidyasagar Lecturer in Mathematics, Department of Mathematics, SVLNS Government Degree College, Bheemunipatnam, Visakhapatnam, Andhra Pradesh, India, Pincode: 531116

Published: 0000-00-00

7. **Grinding roughness prediction method based on multivariate statistics nonlinear fitting and BP Neural Network**

Inventor(s): 1 . Dr. Kuparala Venkata Vidyasagar 2 . Dr. M. P. Mallesh 3 . Dr. R Vijayalakshmi 4 . Dr. S Padmanabhan 5 . Dr. Udayakumara 6 . Dr. Umeha V 7 . Dr. K S Anand 8 . Dr. P Baskar 9 . Dr. Srinivasa Reddy Perla 10 . Mr. Ravi Chandra S, Assignee: Intellectul Property India

Published: 2022-09-23

8. **Groundwater level Prediction using Statistical Modeling**

Inventor(s): Kuparala Venkata Vidyasagar, R.L.V. Renuka Devi, Shravan Kumar, P. Murugarajan, M. Elumalai, Pallavi N, M. Rajani, Bhagavathula Venkata Narayana Murthy, A. Balasubramanian, D. V. Lokeswar Reddy, A. Sridevi, Assignee:

Published: 2022-07-22

Publication

1. A TEXT BOOK OF ENGINEERING MATHEMATICS

DR K V VIDYASAGAR,
A TEXT BOOK OF ENGINEERING MATHEMATICS, Volume 1, Year 2023, Pages

2. DENUMERABLY MANY POSITIVE SOLUTIONS FOR ITERATIVE SYSTEM OF BOUNDARY VALUE PROBLEMS WITH N-SINGULARITIES ON TIME SCALES

Kragujevac Journal of Mathematics, Year 2023

3. DENUMERABLY MANY POSITIVE SOLUTIONS FOR ITERATIVE SYSTEM OF BOUNDARY VALUE PROBLEMS WITH N-SINGULARITIES ON TIME SCALES

Prasad K.R.;Khuddush M.;Vidyasagar K.V.
Kragujevac Journal of Mathematics, Volume 47, Year 2023, Pages 369-385

4. Polynomial Collocation Methods Based on Successive Integration Technique for Solving Neutral Delay Differential Equations"

Professor Dr. Hasan Ahmad
Journal of Scientific Research, Volume , Year 2023, Pages

5. A TEXT BOOK OF QUEUING THEORY

Dr Kuparala Venkata Vidyasagar, DR Tenneti Ramprasad
A TEXT BOOK OF QUEUING THEORY, Volume , Year 2022, Pages

6. ALMOST PERIODIC POSITIVE SOLUTIONS FOR A DELAYED NONLINEAR DENSITY DEPENDENT MORTALITY NICHOLSON'S BLOWFLIES MODEL ON TIME SCALES

Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, Year 2022

7. CERTAIN GEOMETRIC PROPERTIES OF l -HYPERGEOMETRIC FUNCTION

Advanced Mathematical Models and Applications, Year 2022

8. Infinitely many positive solutions for an iterative system of singular BVP on time scales

Cubo, Year 2022

9. Infinitely many positive solutions for an iterative system of singular multipoint boundary value problems on time scales

Rendiconti del Circolo Matematico di Palermo, Year 2022

10. Infinitely many positive solutions for an iterative system of singular BVP on time scales

Prasad K.R.;Khuddush M.;Vidyasagar K.V.
Cubo, Volume 24, Year 2022, Pages 21-35

11. ALMOST PERIODIC POSITIVE SOLUTIONS FOR A DELAYED NONLINEAR

DENSITY DEPENDENT MORTALITY NICHOLSON'S BLOWFLIES MODEL ON TIME SCALES

Prasad K.R.;Khuddush M.;Vidyasagar K.V.

Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, Volume 12, Year 2022, Pages 876-887

12. CERTAIN GEOMETRIC PROPERTIES OF ℓ -HYPERGEOMETRIC FUNCTION

Vidyasagar K.V.

Advanced Mathematical Models and Applications, Volume 7, Year 2022, Pages 76-84

13. Infinitely many positive solutions for an iterative system of singular multipoint boundary value problems on time scales

Mahammad Khuddush ., K. Rajendra Prasad ., K. V. Vidyasagar .,

Rendiconti del Circolo Matematico di Palermo, Volume 71, Year 2022, Pages 677-696

14. Geometric Properties of I-hyper geometric fun...

V.SRINIVAS., K.V.VIDYASAGAR

International Journal of All Research Education & Scientific Methods, Volume Volume 10, Issue 8, August - 2022., Year 2022, Pages 1234-1243

15. FAMOUS WEBSITES IN MATHEMATICS

K V VIDYASAGAR

FAMOUS WEBSITES IN MATHEMATICS, Volume 1, Year 2021, Pages

16. Almost periodic positive solutions for a time-delayed sir epidemic model with saturated treatment on time scales

Prasad K.R.;Khuddush M.;Vidyasagar K.V.

Journal of Mathematical Modeling, Volume 9, Year 2020, Pages 45-60

17. Almost periodic positive solutions for a time-delayed sir epidemic model with saturated treatment on time scales

Journal of Mathematical Modeling, Year 2020

18. Certain inequalities for the ℓ –hypergeometric function

International Journal of Advanced Science and Technology, Year 2020

19. Harmonic univalent functions associated with I –hypergeometric functions

International Journal on Emerging Technologies, Year 2020

20. Certain inequalities for the ℓ –hypergeometric function

Vidyasagar K.

International Journal of Advanced Science and Technology, Volume 29, Year 2020, Pages 3778-3784

21. Harmonic univalent functions associated with I –hypergeometric functions

Vidyasagar K.V.

International Journal on Emerging Technologies, Volume 11, Year 2020, Pages 75-80

22. **Permanence and Uniformly Asymptotic Stability of Almost Periodic Positive Solutions for a Dynamic Commensalism Model on Time Scales**
 Mahammad Khuddush; Kapula Rajendra Prasad; K. V. Vidyasagar
 INTERNATIONAL JOURNAL MATHEMATICAL MODELING AND COMPUTATIONS, Volume Volume & Issue:
 Volume 10, 1 (WINTER) - Serial Number 37, March 2020 , Year 2020, Pages 77-94

23. **SUBCLASSES OF HARMONIC UNIVALENT FUNCTIONS WITH CONNECTION OF L-HYPERGEOMETRIC FUNCTIONS**
 Kuparala venkata Vidyasagar
 Our Heritage, Volume VOL-68-ISSUE-30-JANUARY-2020 , Year 2020, Pages 5150-5160

24. **Denumerably Positive Solutions for Iterative Systems of Singular Two-Point Boundary Value Problems on Time Scales,**
 K Rajendra Prasad, M. Khuddush., K.V.Vidyasagar
 INTERNATIONAL JOURNAL OF DIFFERENCE EQUATIONS, Volume Volume 15, Number 1, pp. 153-172
 (2020), Year 2020, Pages pp. 153-172

25. **GEOMETRIC PROPERTIES OF SOME CLASS OF UNIVALENT FUNCTIONS BY FIXING FINITEY MANY COEFFICIENTS**
 k.v.vidyasagar
 IJISSET - International Journal of Innovative Science, Engineering & Technology, Volume 7, Year 2020,
 Pages 49-56

26. **Denumerably Many Positive Solutions for Iterative System of Singular Second Order Multipoint Boundary Value Problems on Time scales**
 K RAJENDRA PRASAD, K V VIDYASAGAR, M. KHUDDUSH
 Fim28scmsps2020, Volume 1, Year 2020, Pages 301

27. **L-Hypergeometric Functions on Harmonic Univalent Functions,**
 K V VIDYASAGAR
 International Conference on Emerging Technology in Electrical and Electronics Engineering
 (ICETEEE-2020) , Volume , Year 2020, Pages

28. **19th century mathematicians**
 K V VIDYASAGAR, VICTOR
 19th century mathematicians, Volume , Year 2018, Pages

29. **AN ALTERNATE PROOF OF THE DE MOIVRE'S THEOREM**
 K V VIDYASAGAR
 International Journal of Physics and Mathematical Sciences, Volume 2012 Vol. 2 (2) April- June, pp.21-27,
 Year 2012, Pages pp.21-27

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