

Science & Engineering Research Board

MATRICES Projects Sanctioned in the Year 2018-19			
S. No	Title	PI Details	Total Cost
1	Certain Aspects Of Univalent Functions Starlike With Respect To A Boundary Point	Dr. S Sivasubramanian, Anna University, Chennai, Tamil Nadu, 600025	660000
2	Clustering Of Markov Chains	Dr. Akanksha Shrikant Kashikar, Savitribai Phule Pune University, Pune, Maharashtra, 411007	660000
3	Efficient Symmetry Breaking In The Congest Model	Dr. Kishore Kothapalli, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	660000
4	Mathematical Investigations On Love Type Wave Propagation In Anisotropic Media.	Dr. Santimoy Kundu, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	660000
5	Singularities Of Rees Algebras	Dr. Manoj Kummini, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000
6	Compression And Representation Of Biological Shapes And Signals Using Diffusion Wavelet.	Dr. Kavita, Thapar Institute of Engineering & Technology, Patiala, Punjab, 147004	660000
7	Some Problems In Applicable Algebra	Dr. R K Sharma, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	660000
8	Study Of Generating Functions Of New Families Of Special Polynomials By Means Of Innovative Technique And Establish Their Properties	Dr. Nabiullah Khan, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	660000
9	Thresholds For Random Graph Models	Dr. Aravind N R, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	660000
10	Development Of Methodology For Quantitative CEST-MRI	Dr. Anup Singh, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	660000
11	Biorthogonal Krylov Subspace Bases And Short Recurrences	Dr. Kapil Ahuja, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	660000
12	Linear Complexity, 2-Adic Linear Complexity And Autocorrelation Values Of Generalized Cyclotomic Sequences	Dr. Pramod Kumar Kewat, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	660000
13	Modeling And Simulation Of A Hydrodynamic Instability With Chemical Reaction	Dr. Manoranjan Mishra, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	660000

14	Mathematical Modelling Of Biased Swimming Micro-Organisms Via Bioconvection	Dr. Manoj Kumar Panda, Indian Institute of Information Technology Design and Manufacturing, Jabalpur, Madhya Pradesh, 482005	660000
15	High-Order Numerical Integration Scheme Based On Fourier Continuation Approximations	Dr. Akash Anand, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	660000
16	Moduli Of Sheaves Over Projective Varieties	Dr. Arijit Dey, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
17	Study Of Two-Stage Iterative Methods For Solving Rectangular (Square Singular) Linear Systems	Dr. Debasisha Mishra, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	660000
18	Investigating A Class Of Operators On Certain Hilbert Spaces And Their Connection To Frame Theory	Dr. Sneha Lata, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh, 203207	660000
19	Elliptic Curves With Complex Multiplication And Hypergeometric Sums	Dr. Rupam Barman, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
20	On The Spline Solution Of Multi-Dimensional Hyperbolic Equations	Dr. Ranjan Kumar Mohanty, South Asian University, New Delhi, Delhi, 110021	660000
21	Random Interface Models	Dr. Rajat Subhra Hazra, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	660000
22	Numerical Analysis And Simulation Of State Constrained Optimization For Multiscale Problems	Dr. Chamakuri Nagaiah, Mahindra Ecole Centrale, Hyderabad, Telangana, 500043	660000
23	Local Cohomology Over Ring of Invariants	Dr. Tony Joseph Puthenpurakal, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
24	Applications Of Frames And Wavelets In Quantum Information Theory	Dr. Shiv Kumar Kaushik, Kirori Mal College, New Delhi, Delhi, 110007	660000
25	Symmetries In Differential Equation And Its Application To Classical And Quantum Cosmology	Dr. Subenoy Chakraborty, Jadavpur University, Kolkata, West Bengal, 700032	660000
26	Probabilistic And Statistical Aspects Of Branching Random Walks	Dr. Parthanil Roy, Indian Statistical Institute Bangalore Centre, Bangalore, Karnataka, 560059	660000
27	Topology And Evolution Of Black Holes In Higher Curvature Gravity.	Dr. Sudipta Sarkar, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	660000

28	Scaling Limits In Directed Random Trees – Applications In Models Of Drainage Networks	Dr. Anish Sarkar, Indian Statistical Institute Delhi, New Delhi, Delhi, 110016	660000
29	Convergence Estimates Of Linear Solvers For Heterogeneous Saddle Point Problems In Phase Field Models.	Dr. Pawan Kumar, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	660000
30	Surface Group Representations And Geometric Structures	Dr. Krishendu Gongopadhyay, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	660000
31	Mathematical Modelling And Exact Propagating Soliton Solutions Of Few Nonlinear Partial Differential Equations Governing The Nonlinear Magnetization Dynamics Of Ordered Magnetic Systems	Dr. Kavitha Louis, Central University of Tamilnadu, Thiruvavur, Tamil Nadu, 610001	660000
32	Analytic Theory Of Automorphic Forms	Dr. Soumya Das, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
33	Dynamic Modeling Of Spatial Epidemic And Eco-Epidemiological Systems - A New Healthcare Initiative	Dr. Ranjit Kumar Upadhyay, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	660000
34	N-Tuples Of Commuting Isometries	Dr. Jaydeb Sarkar, Indian Statistical Institute Bangalore Centre, Bangalore, Karnataka, 560059	660000
35	Impact Of Information Of Disease Prevalence On The Dynamics Of Diseases: A Mathematical Study	Dr. Prashant Kumar Srivastava, Indian Institute of Technology Patna, Patna, Bihar, 801103	660000
36	Finite Group Actions On Product Of Spaces Of Type (0,0) And Borsuk-Ulam Type Theorem For Product Of Projective Spaces	Dr. Hemant Kumar Singh, University of Delhi, Delhi, Delhi, 110007	660000
37	Development Of Heuristic And Metaheuristic Techniques For Some Emerging Problems In Manufacturing And Logistics	Dr. Alok Singh, University of Hyderabad, Hyderabad, Telangana, 500046	660000
38	Blocking Sets Of External, Secant And Tangent Lines With Respect To A Quadric In PG(D,Q)	Dr. Binod Kumar Sahoo, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	660000
39	Entrywise Powers And Power Series Preserving Positivity In Fixed Dimension	Dr. Apoorva Khare, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
40	Cost-Effective Methods Of Multiple Testing For Sequential Data	Dr. Shyamal Krishna, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	660000

41	Hecke Algebras And The Langlands Program	Dr. Manish Kumar Mishra, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	660000
42	Randomly Censored Linear Transformation Model With Measurement Error In Covariates	Dr. Sudheesh Kumar Kattumannil, Indian Statistical Institute Chennai Centre, Chennai, Tamil Nadu, 600113	660000
43	On The Equation $(\nabla U)^T A \nabla U = G$ & Its Linearization, & Applications To Calculus Of Variations	Dr. Saugata Bandyopadhyay, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	660000
44	Holomorphic Cartan Geometry	Dr. Indranil Biswas, Tata Institute of Fundamental Research, Mumbai, Mumbai, Maharashtra, 400005	660000
45	The Study Of Unimodular Rows Using Suslin Matrices	Dr. Selby Jose, The Institute of Science, Mumbai, Maharashtra, 400032	660000
46	Understanding Error Surfaces Of Deep Neural Networks	Dr. Vineeth N Balasubramanian, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	660000
47	Role Of The Curvature In Operator Theory	Dr. Gadadhar Misra, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
48	A Study Of The Fixed Point Theory And Applications Via Fractional Calculus	Dr. Shilpi Jain, Poornima College of Engineering, Jaipur, Rajasthan, 302022	660000
49	On Inverse Eigenvalue Problems For Structured Matrix Pencils	Dr. Sk Safique Ahmad, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	660000
50	Constructing New Central Trapdoors And Multivariate Cryptosystems From Hidden Field Equations	Dr. Ratna Dutta, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	660000
51	A Study Of Dynamic Programs Arising In The Context Of Feedback Capacity Of Finite-State Channels	Dr. Navin Kashyap, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
52	Planar Polygons And Real Points Of Stable Genus Zero Curves	Dr. Priyavrat Deshpande, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000
53	Birkhoff-James Orthogonality And Its Application In The Geometry Of Banach Spaces	Dr. Kallol Paul, Jadavpur University, Kolkata, West Bengal, 700032	660000
54	On A Separation Problem For Simple Stochastic Games	Dr. B Srivathsan, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000

55	Coupled Ψ -V And Immersed Interface Method For Incompressible Viscous Flows	Dr. Jiten Chandra Kalita, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
56	Scalarization Aspects In Vector And Set Optimization	Dr. C S Lalitha, University of Delhi South Campus, New Delhi, Delhi, 110021	660000
57	A Study Of Riesz Transforms Associated To The Grushin Operator.	Dr. Sanjay P K, National Institute of Technology Calicut, Calicut, Kerala, 673600	660000
58	Symplectic Eigenvalues And Its Properties	Dr. Ritabrata Sengupta, Indian Institute of Science Education and Research Berhampur, Ganjam, Orissa, 760010	660000
59	On Harmonic And Quasiconformal Mappings	Dr. Saminathan Ponnusamy, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
60	Elliptic Matrices	Dr. Balaji Ramamurthy, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
61	Study Of Minima Of Gaussian Processes	Dr. Arijit Chakrabarty, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	660000
62	Integral Equation and Its Application To The Problems On Interaction Of Water Waves With Obstacles Present In Ocean	Dr. Sudeshna Banerjea, Jadavpur University, Kolkata, West Bengal, 700032	660000
63	Degenerations Of Geometric Structures And Meromorphic Differentials On Riemann Surfaces	Dr. Subhojoy Gupta, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
64	Theory Of Zipper Fractal Interpolation And Approximation	Dr. Aryakumar Bedabrata Chand, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
65	Computations In The Groups Of Lie Type	Dr. Anupam Kumar Singh, Indian Institute of Science Education And Research Pune, Pune, Maharashtra, 411008	660000
66	Finite Element Analysis Of Singularly Perturbed Parabolic Partial Differential Difference Equations	Dr. Kapil Kumar Sharma, South Asian University, New Delhi, Delhi, 110021	660000
67	Order Estimation Of Important Signal Processing Models: Methodologies And Asymptotic Analysis	Dr. Sharmishtha Mitra, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	660000
68	Irreducibility And Galois Groups Of Polynomials	Dr. Shanta Laishram, Indian Statistical Institute Delhi, New Delhi, Delhi, 110016	660000

69	Solution Of Differential Equations Using Optimization Metaheuristics	Dr. Jagdish Chand Bansal, South Asian University, New Delhi, Delhi, 110021	660000
70	Some Problems On Harmonic Analysis On Lie Groups And For Hypergeometric Transforms Associated With Root Systems	Dr. Sanjoy Pusti, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
71	Shock Ray Theory In Inhomogeneous Moving Media	Dr. Baskar Sambdandam, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
72	On The Union-Closed Sets Conjecture	Dr. Vinayak Vishnupant Joshi, Savitribai Phule Pune University, Pune, Maharashtra, 411007	660000
73	Geometry of Rational Functions with Prescribed Poles	Dr. Wali Muhammad Shah, Central University of Kashmir, Srinagar, Jammu And Kashmir, 190006	660000
74	Deformation Of Torsors Under Parahoric Group Schemes On The Projective Line	Dr. Yashonidhi Pandey, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	660000
75	Surface Group Representations And Geometric Group Theory	Dr. Mahan Mj, Tata Institute of Fundamental Research, Mumbai, Mumbai, Maharashtra, 400005	660000
76	Algebraic Geometry Over Symmetric Monoidal Categories And Tensor Triangular Geometry	Dr. Abhishek Banerjee, Indian Institute Of Science, Bangalore, Bangalore, Karnataka, 560012	660000
77	Stokes And Oseen Flows Past Rigid And Porous Bodies	Dr. Sripadmavati B, University of Hyderabad, Hyderabad, Telangana, 500046	660000
78	Contact Problems On Planar Heterogeneous Elastic Media	Dr. T Muthukumar, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	660000
79	Studies on Qualitative Properties Of Hilfer Fractional Stochastic Dynamical Systems	Dr. P Balasubramaniam, Gandhigram Rural Institute (Deemed University), Dindigul, Tamil Nadu, 624302	660000
80	Linear Stability Analyses Of Interfacial Flows Of Fluids With Complex Rheology	Dr. Kirti Chandra Sahu, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	660000
81	Some New Variants Of Bishop-Phelps-Bollobas Theorem For Spaces X^* And $Lip_0(X)$	Dr. Tanmoy Paul, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	660000

82	Numerical Analysis And Computational Methods For Hyperbolic Conservation Laws	Dr. Sudarshankumar Kenettinkara, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
83	Algorithms For Graph Similarity Self Join	Dr. Amit Chintamani Awekar, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
84	Combinatorics Of Polynomials And Theoretical Computer Science	Dr. Srikanth Srinivasan, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
85	Overstability In Rotating Magnetoconvection	Dr. Pinaki Pal, National Institute of Technology Durgapur, Durgapur, West Bengal, 713209	660000
86	Combinatorial Aspects Of Maps Between Homotopy Associative Spaces	Dr. Somnath Basu, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	660000
87	Identities Among Eigenforms And Zeros Of Certain L-Functions	Dr. Jaban Meher, National Institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	660000
88	Dynamical Systems On Homogeneous Spaces And Interactions With Number Theory	Dr. Anish Ghosh, Tata Institute of Fundamental Research, Mumbai, Mumbai, Maharashtra, 400005	660000
89	Directed Steiner Trees And Related Problems	Dr. Naveen Garg, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	660000
90	Coarse Geometry, Etale Groupoids And Applications To Higher Index Theory	Dr. Indrava Roy, Institute of Mathematical Sciences, Chennai, Tamil Nadu, 600113	660000
91	Stochastic Analysis And Its Applications	Dr. Siva Ramachandran Athreya, Indian Statistical Institute Bangalore Centre, Bangalore, Karnataka, 560059	660000
92	Investigation of Certain Open Problems in Planar Harmonic Mappings	Dr. Jugal Kishore Prajapat, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	660000
93	A Study On Certain Hyper-Poisson Related Distributions	Dr. C Satheesh Kumar, University of Kerala, Thiruvananthapuram, Kerala, 695034	660000
94	Patterns In Modulated Natural Convection	Dr. Jitender Singh, Guru Nanak Dev University, Amritsar, Punjab, 143005	660000
95	Finite Element Methods For Nonlinear Plate Bending Problems And Optimal Control Problems Governed By Nonlinear Plates	Dr. Neela Nataraj, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000

96	Set-Valued Optimization With Applications	Dr. Qamrul Hasan Ansari, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	660000
97	Kinetics Of Gastric Gels: Protection And Transport	Dr. Sarthok Sircar, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	660000
98	Development Of Dispersion, Dissipation Characteristics Preserving Finite Difference Schemes For Fluid Flow Problems.	Dr. Shuvam Sen, Tezpur University, Tezpur, Assam, 784028	660000
99	Wave Propagation In Lattice Waveguides With Defects	Dr. Basant Lal Sharma, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	660000
100	Dynamics Preserving Discretization Technique For Nonlinear System Of Differential Equations	Dr. Nandadulal Bairagi, Jadavpur University, Kolkata, West Bengal, 700032	660000
101	Approximate Geodesic Nearest Neighbors And Shortest Paths	Dr. R Inkulu, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
102	Study Of Different Spectral Properties Of Nonuniform Hypergraphs	Dr. Anirban Banerjee, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	660000
103	Explicit Formulas For A Class Of General L Functions	Dr. Srinivas Kotyada, Institute of Mathematical Sciences, Chennai, Tamil Nadu, 600113	660000
104	Unfolding Operators To Study Homogenization Problems In Domains With Highly Oscillating Structures	Dr. A K Nandakumaran, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
105	Confetti Percolation And Covered Area Fraction	Dr. Rahul Roy, Indian Statistical Institute Delhi, New Delhi, Delhi, 110016	660000
106	Generalized Higher Derivable Mappings on Rings with Applications	Dr. Mohd Ashraf, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	660000
107	Evolutionary Stability In Asymmetric Games With Continuous Strategy Space	Dr. A J Shaiju, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
108	Some Problems In Patterned Random Matrices	Dr. Koushik Saha, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
109	Lagrangian Floer Theory	Dr. Sushmita Venugopalan, Institute of Mathematical Sciences, Chennai, Tamil Nadu, 600113	660000

110	Higher-Order Adaptive Approaches For Nonlinear Singular Boundary Value Problems Governing Electrohydrodynamic flow In A Circular Cylindrical Conduit	Dr. Pradip Roul, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	660000
111	Graphs Constructed From Additive Operator Of Commutative Rings	Dr. T Asir, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	660000
112	Negative Curvature In Groups And Combination Theorems.	Dr. Pranab Sardar, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	660000
113	Arithmetic Circuit Complexity Of The Polynomials In VP	Dr. Nutan Limaye, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	660000
114	Polynomial Convexity Of The Finite Union Of Lagrangians In C^N	Dr. Sushil Gorai, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	660000
115	Some Extremum Eigenvalue Problems Related To Combinatorial PDE	Dr. Sumit Mohanty, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala, 695016	660000
116	Properties And Constructions Of Maximally Recoverable Codes	Dr. Lalitha Vadlamani, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	660000
117	K-Fusion Frames-Applications To Sensor Network And Coding Theory	Dr. Saikat Mukherjee, National Institute of Technology Meghalaya, Shillong, Meghalaya, 793003	660000
118	Analysis And Development Of Numerical Schemes And Fitted Mesh For Non-Oscillatory Approximation Of Evolutionary Partial Differential Equations	Dr. Ritesh Kumar Dubey, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	660000
119	Seshadri Constants On Algebraic Surfaces	Dr. Krishna Hanumanthu, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000
120	Non-Local Conservation Laws Driven By Noise.	Dr. Ujjwal Koley, Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Bangalore, Karnataka, 560065	660000
121	Mathematical Modelling Of Articular Cartilage In Knee Joint And Endothelial Glycocalyx In An Artery Using Anisotropic Porous Media	Dr. G P Rajasekhar, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	660000
122	Rubio De Francia Type Extrapolation For Function Spaces	Dr. Pankaj Jain, South Asian University, New Delhi, Delhi, 110021	660000

123	Enumeration Of Splitting Subspaces Of Linear Transformations Over Finite Fields	Dr. Samrith Ram, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	660000
124	Families Of Adjoint L-Functions And Selmer Groups For Hilbert Modular Forms	Dr. Baskar Balasubramanyam, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	660000
125	On Spectra And Laplacian Spectra Of Graphs	Dr. Shariefuddin Pirzada, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	660000
126	Spectra Of Multidigraphs And Their Applications To Complex Networks	Dr. Sasmita Barik, Indian Institute of Technology Bhubaneswar, Bhubaneshwar, Orissa, 751013	660000
127	Analysis Of Fractional Order Differential And Integral Equations	Dr. Sachin Balasaheb Bhalekar, Shivaji University, Kolhapur, Maharashtra, 416004	660000
128	Social Network Analysis Using Centrality Measures Of Graphs And Sigraphs - A Spectral Approach	Dr. Germina Augusthy Kizhakekunnel, Central University of Kerala, Kasargod, Kerala, 671123	660000
129	A1-Homotopy And Birational Geometry	Dr. Chetan Tukaram Balwe, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	660000
130	Investigation Of Statistical Aspects Of Step-Stress Life Testing	Dr. Ayon Ganguly, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	660000
131	Understanding Traffic Dynamics Via Lattice Hydrodynamic Approach: Modeling, Analysis & Simulation	Dr. Sapna Sharma, Thapar Institute of Engineering & Technology, Patiala, Punjab, 147004	660000
132	Analysis Of Critical Phenomena In Discrete Lattice Models Using Graph Theoretical Approaches And Pade' Approximants	Dr. M V Sangaranarayanan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
133	Schwarz Waveform Relaxation Methods For Singularly Perturbed Parabolic Problems	Dr. Sunil Kumar, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	660000
134	Singularity Reconstruction From Broken Geodesic Ray Transforms	Dr. Venkateswaran Perur Krishnan, Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Bangalore, Karnataka, 560065	660000
135	String Theory At Very High Energies	Dr. Arjun Baghchi, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	660000

136	Approximation Algorithms For Guarding Polygons	Dr. Subir Kumar Ghosh, Ramakrishna Mission Vivekananda University, Howrah, West Bengal, 711202	660000
137	Stochastic Partial Differential Equations	Dr. Rajeev Bhaskaran, Indian Statistical Institute Bangalore Centre, Bangalore, Karnataka, 560059	660000
138	Numerical Solution Of Fractional Differential And Integral Equations Using Wavelet Methods	Dr. Firdous Ahmad Shah, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	660000
139	A Study of Homotopy Invariants of A Model Category	Dr. Shilpa Suresh Gondhali, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	660000
140	Study of Nonlocal Scalar Field Equations	Dr. Mousomi Bhakta, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	660000
141	Hypergraph Techniques For Intrusion Detection Systems	Dr. Kannan Kirthivasan, Sastra University, Thanjavur, Tamil Nadu, 613401	660000
142	Statistical Methods For High-Dimensional Binary Regression Models In Presence Of Response Misclassification	Dr. Arindam Chatterjee, Indian Statistical Institute Delhi, New Delhi, Delhi, 110016	660000
143	Mathematical Model Development And Analysis Of Bullwhip Effect In Closed-Loop Supply Chain Under Uncertainties	Dr. Bibhas Chandra Giri, Jadavpur University, Kolkata, West Bengal, 700032	660000
144	Qualitative Analysis Of Cosmological Models With Cosmological Term In Einstein's Theory Of Gravity And Scalar-Tensor Theories Of Gravity	Dr. Kalyani Desikan, Vit University Chennai, Chennai, Tamil Nadu, 600127	660000
145	Complexity Of Planar And Sparse Graph Problems	Dr. Samir Datta, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000
146	Wave Propagation By Small Inhomogeneities : Applications To Medical Imaging, Effective Medium Theory And The Theory Of Meta-Materials	Dr. Durga Prasad Challa, Indian Institute of Technology Tirupati, Tirupati, Andhra Pradesh, 517506	660000
147	Topological Analysis Of Discrete 3D Objects In Isothetic Space For Efficient Algorithm Design	Dr. Ranita Biswas, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	660000
148	Braids, Quandles And Group Actions	Dr. Mahender Singh, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	660000

149	Truncated Hypergeometric Series And Supercongruences	Dr. Brundaban Sahu, National Institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	660000
150	Finite Element Solver For Differential Equations: An Open Source Numerical Package	Dr. Sashikumar Ganesan, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
151	Classical K-Theory For Module Finite Rings And Graded Algebras.	Dr. Rabeya Basu, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	660000
152	Extremal Partial VC-Dimension And Fine-Grained Fold-Cut Problems	Dr. Neeldhara Misra, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	660000
153	Noncommutative Ergodic Theory Via Joinings	Dr. Kunal Krishna Mukherjee, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
154	Boundedness Properties Of Maximal Functions	Dr. Saurabh Shrivastava, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	660000
155	Graph Theory, Linear Algebra, And Coding Theory Applied To Broadcast Communication	Dr. Prasad Krishnan, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	660000
156	Abelian Varieties, Galois Representations and Modular Forms	Dr. Vijay Madhukar Patankar, Jawaharlal Nehru University, New Delhi, Delhi, 110067	660000
157	Realization And Classification Of Homogeneous Operators Via Quotient Modules	Dr. Shibananda Biswas, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	660000
158	Analytical And Numerical Study Of Rarefied Binary Gas Mixtures	Dr. Vinay Kumar Gupta, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	660000
159	Embedding: A Tool to Topological Indices And Graph Matching Problems	Dr. Jasintha Quadras, Stella Maris College, Chennai, Tamil Nadu, 600086	660000
160	On Certain Class Of Diagram Algebras Arising From Schur-Weyl Duality	Dr. Geetha Thangavelu, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala, 695016	660000
161	Multi-Twisted Codes Over Various Finite Commutative Rings And Their Generalizations	Dr. Anuradha Sharma, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	660000

162	Implicit Constitutive Relation – Representation And Analysis	Dr. Umakanthan Saravana, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
163	Crystallization Of $U_q(Gl_m) \times U_q(Gl_2)$ - Commuting Action On $V_{\{Q,\Lambda\}}(2m)$.	Dr. Subrahmanyam K Venkata, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	660000
164	Minimal And Tight Triangulations Of Some PI Manifolds	Dr. Basudeb Datta, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	660000
165	Set Valued Optimization: Optimality Conditions And Algorithms	Dr. V Vetrivel, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	660000
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