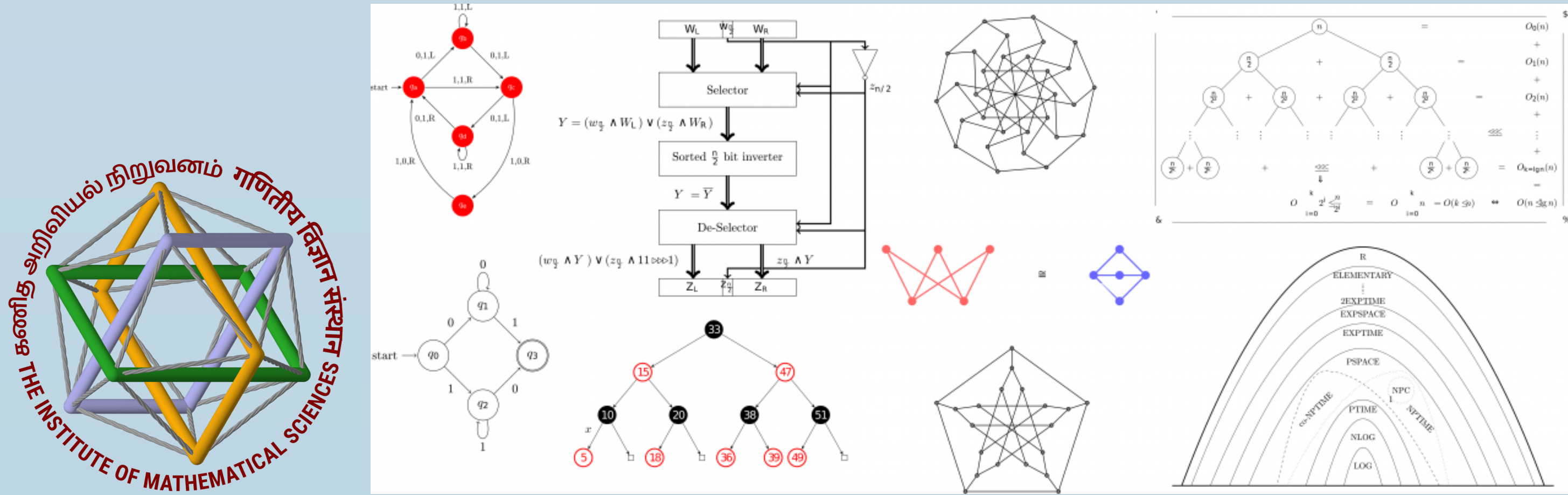
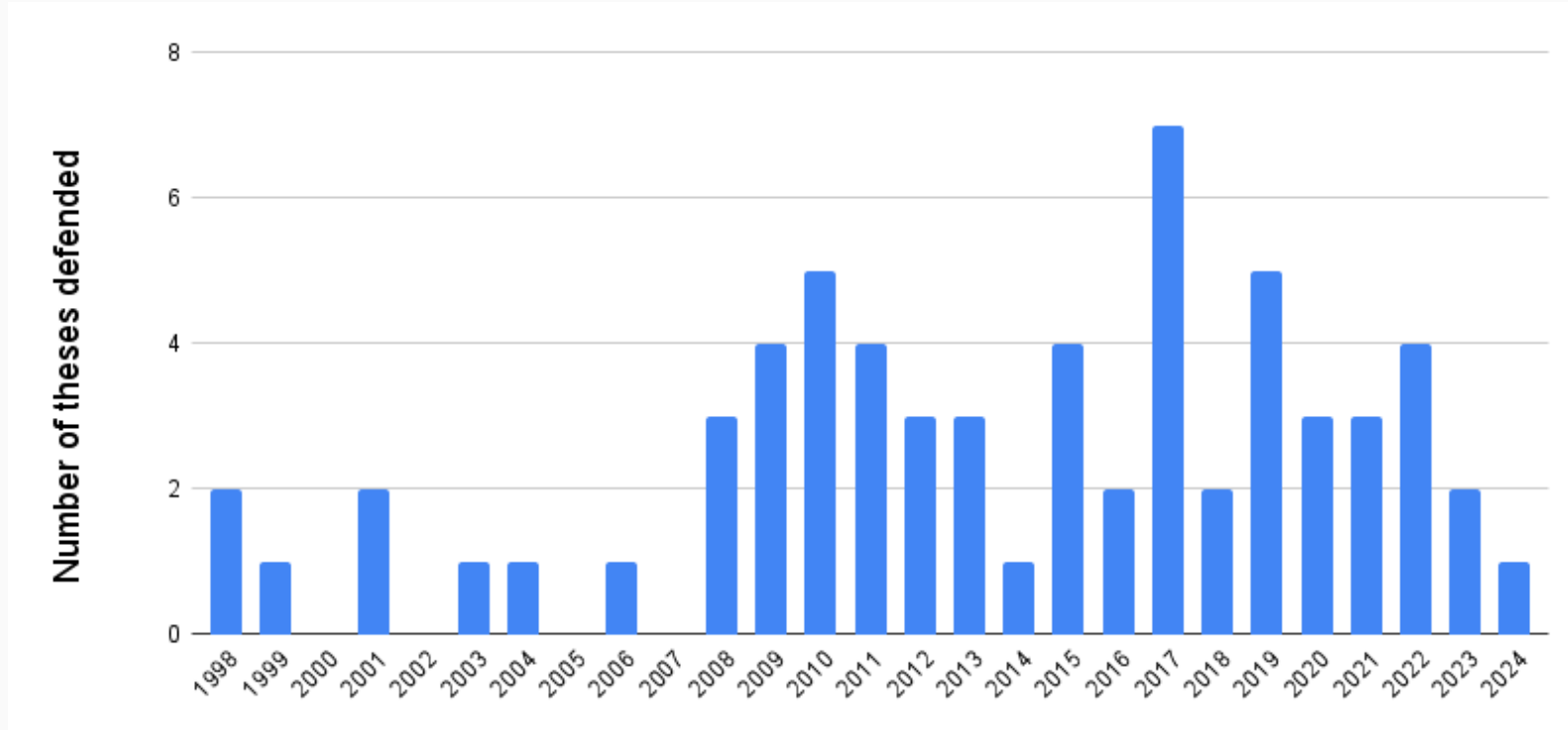


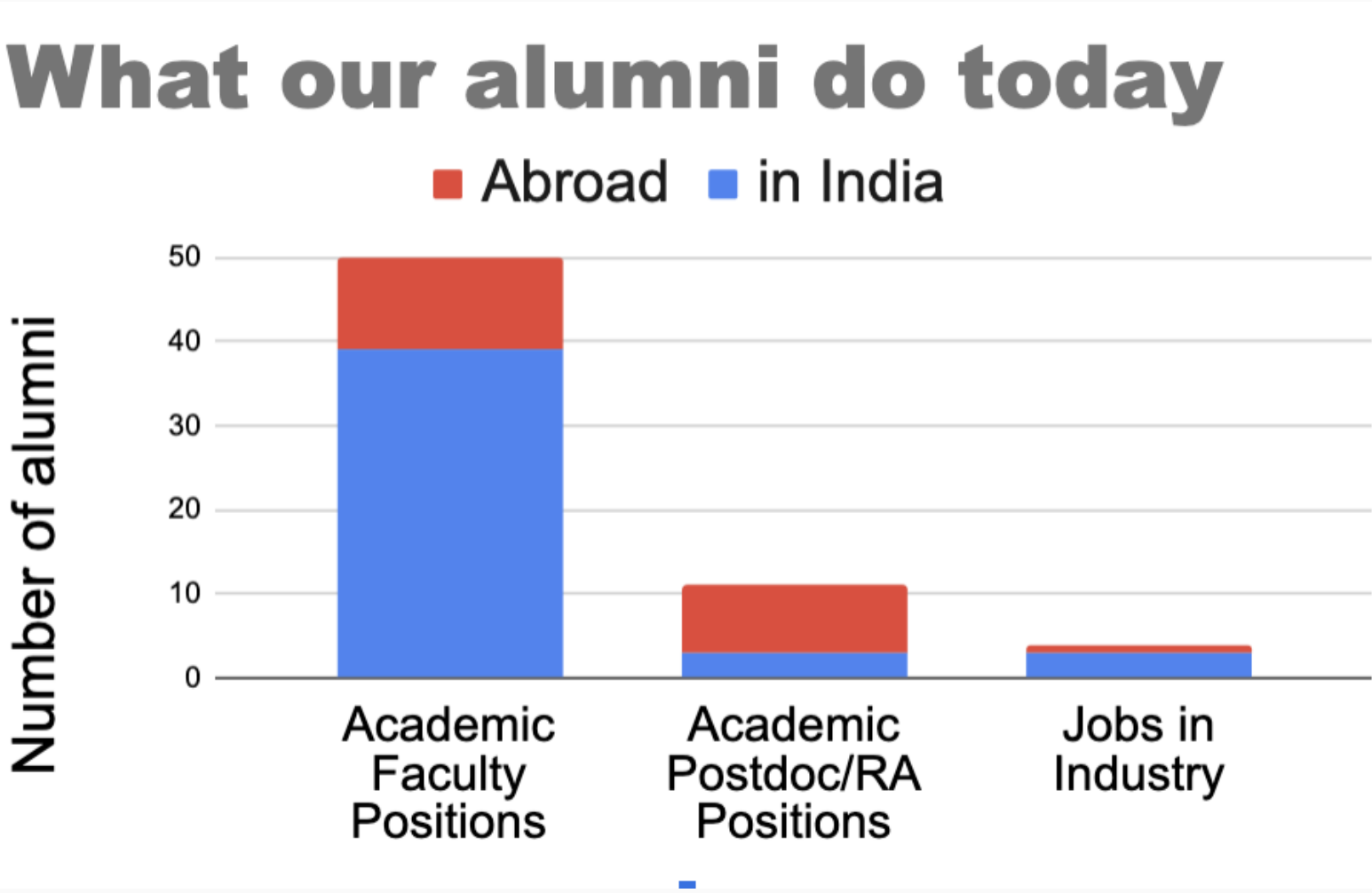
1000001 DOCTORAL DISSERTATIONS FROM THE CS GROUP  
(Can't read Binary? That's 65!)



PhDs over the years



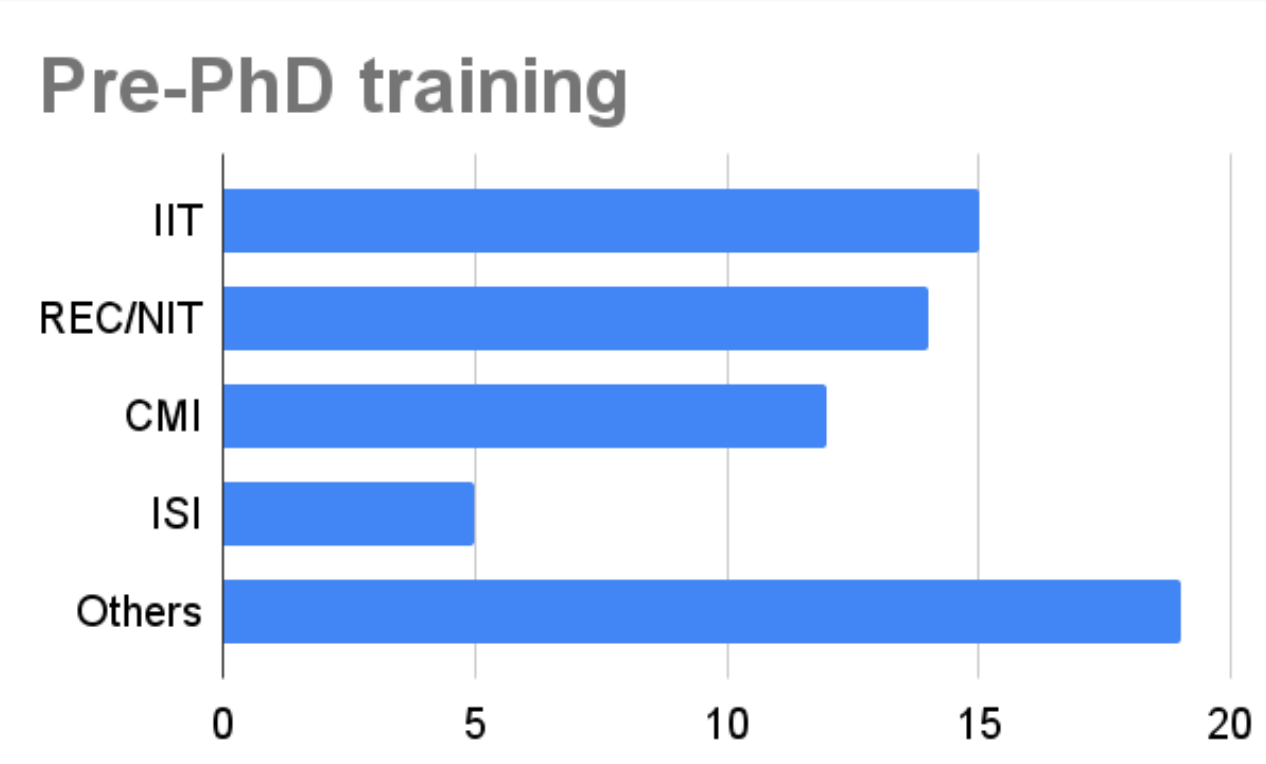
What our alumni do today



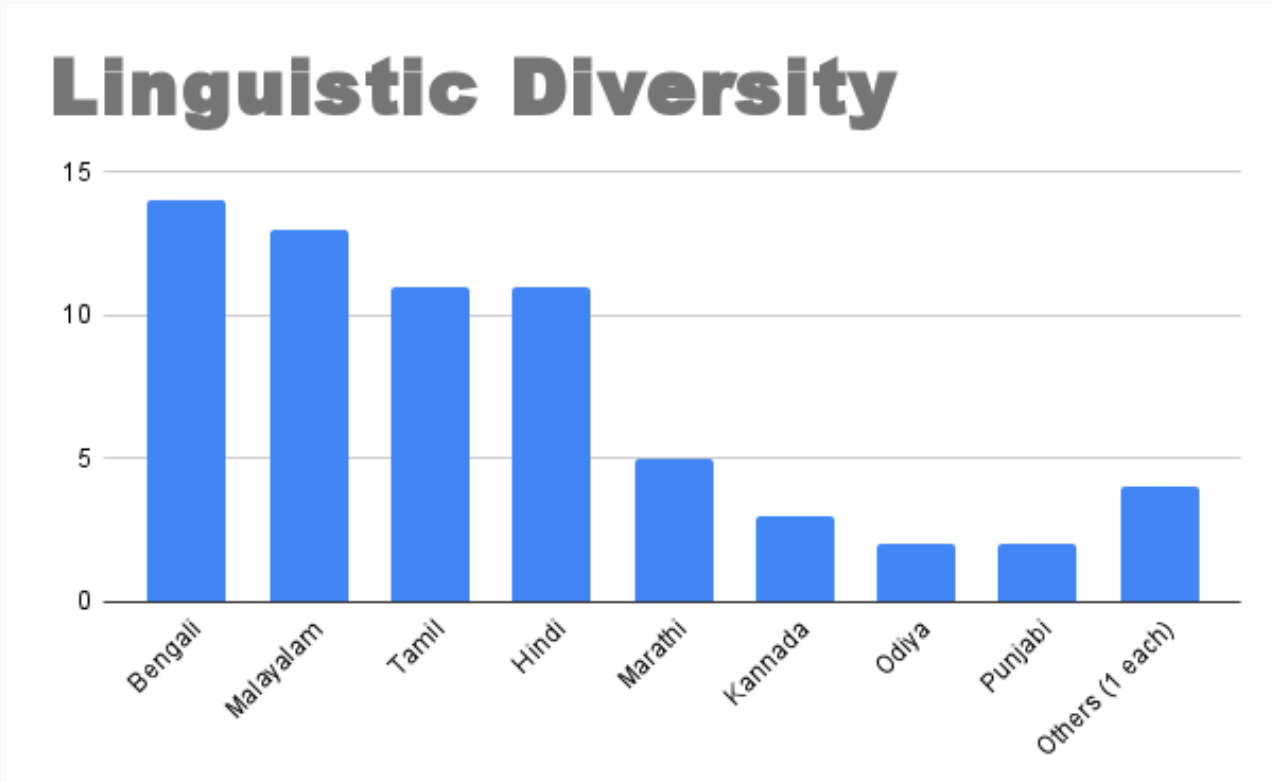
Alumni academic jobs

- IMSC (1);
- CMI (6);
- the IITs (20) – Madras (4); Hyderabad (2); Dharwad (2); Goa (2); Gandhinagar (2);  
1 each in Tirupati, Ropar, Kanpur, Jodhpur, Delhi, Kharagpur, Palakkad, Mandi;
- IIIT (2);
- 1 each in ISI, IISER (2)
- other institutes in India (8)
- Abroad: UIUC USA (1), UNebaska USA (1), UWarwick UK (1), NTNU Norway (1), Uppsala Sweden (1), Warsaw Poland (1), Darmstadt Germany (1), ITU Copenhagen Denmark (1), U Copenhagen Denmark (1), U Liverpool UK (1), Leeds Univ UK (1)

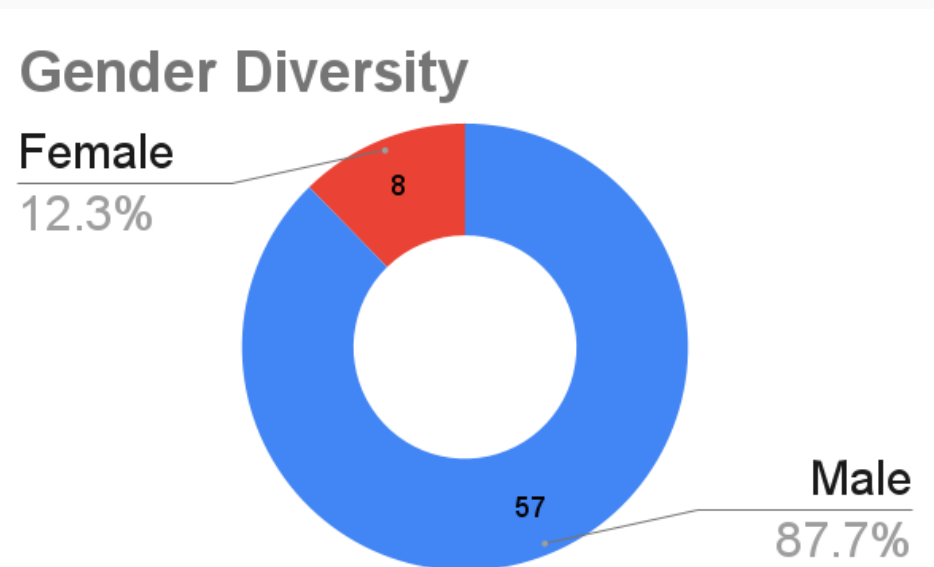
Pre-PhD training



Linguistic Diversity



Gender Diversity



|    |                        |                                                                                     |           |
|----|------------------------|-------------------------------------------------------------------------------------|-----------|
| 65 | Yogesh Dahiya          | Exploring Size Complexity and Randomness in the Query Model                         | Jun 2024  |
| 64 | Ramit Das              | A Logical Study of Improvement Graphs formed from Games                             | Oct 2023  |
| 63 | Gaurav Sood            | A study of QBF Merge Resolution and MaxSAT Resolution                               | Mar 2023  |
| 62 | Ashwin Jacob           | New Directions in Parameterized Deletion Problems                                   | Aug 2022  |
| 61 | Abhranil Chatterjee    | New Algorithmic Results using Noncommutative Algebraic Complexity                   | May 2022  |
| 60 | Arindam Biswas         | Algorithms for NP-hard Problems in the Sublinear Space Regime                       | Mar 2022  |
| 59 | Abhishek Sahu          | Packing and Covering: New Paradigms and Algorithms                                  | Jan 2022  |
| 58 | Niranka Banerjee       | Dynamizing Graph Classes and Output Sensitive Fault Tolerant Subgraph Problems      | Oct 2021  |
| 57 | Jayakrishnan M         | Cross and Part: Beyond the known Boundaries                                         | Sep 2021  |
| 56 | Sanjukta Roy           | Select, Allocate and Manipulate via Multivariate Analysis                           | Jan 2021  |
| 55 | Lawqueen Kanesh        | Parameterized Complexity of Conflict-Free Solutions                                 | Dec 2020  |
| 54 | Roohani Sharma         | Advancing the Algorithmic Tool-kit for Parameterized Cut Problems                   | Aug 2020  |
| 53 | Prafullkumar Tale      | Some Results about Graph Contraction Problems                                       | May 2020  |
| 52 | Anantha Padmanabha     | Propositional Term Modal Logic                                                      | Dec 2019  |
| 51 | Swaroop N P            | New Results in Bounds for positiveness of Polynomials                               | Apr 2019  |
| 50 | Ramanathan S Thinniyam | Definability and decidability in first order theories of graph order                | Feb 2019  |
| 49 | Joydeep Mukherjee      | Approximation Algorithms for Stochastic Matchings and Independent Sets              | Feb 2019  |
| 48 | Anuj Tawari            | Lower bounds for read-once and tropical formulas                                    | Feb 2019  |
| 47 | Diptapriyo Majumdar    | Classic and approximate kernels for structural parameters of some covering problems | Oct 2018  |
| 46 | Sankardeep Chakraborty | Space Efficient Graph Algorithms                                                    | Mar 2018  |
| 45 | Anup Basil Mathew      | Some Decidable Classes of the Distributed Synthesis Problem                         | Dec 2017  |
| 44 | Syed Mohammad Meesum   | Matrix Editing via Multivariate Lens                                                | Oct 2017  |
| 43 | Pranabendu Misra       | Parameterized Algorithms for some network design problems                           | June 2017 |
| 42 | S. Raja                | On structure and lower bounds in restricted models of arithmetic computations       | Apr 2017  |
| 41 | Sudeshna Kolay         | Parameterized Complexity for Graph Partitioning and Geometric Covering              | Mar 2017  |
| 40 | Ashutosh Rai           | Parameterized Algorithms for Graph Modification Problems                            | Feb 2017  |
| 39 | Anil Shukla            | On Proof Complexity for Quantified Boolean Formulas                                 | Feb 2017  |
| 38 | Nitin Saurabh          | Analysis of Algebraic Complexity Classes and Boolean Functions                      | Dec 2016  |
| 37 | Gaurav Rattan          | Some Geometrical and Vertex-Partitioning Techniques for Graph Isomorphism           | Dec 2016  |
| 36 | Fahad Panolan          | Dynamic Programming using Representative Families                                   | Dec 2015  |
| 35 | Ramchandra B Phawade   | Labelled Free choice Petri nets, finite Product Automata and Expressions            | Jul 2015  |
| 34 | Yadu Vasudev           | The complexity of some exact and approximate isomorphism problems                   | Mar 2015  |
| 33 | Karteek Sreenivasiah   | On verifying proofs in constant depth, and polynomial identity testing              | Jan 2015  |

|    |                     |                                                                                                         |          |
|----|---------------------|---------------------------------------------------------------------------------------------------------|----------|
| 32 | Kunal Dutta         | On Certain Invariants of Random Digraphs and Uniform Hypergraphs                                        | Apr 2014 |
| 31 | A V Sreejith        | Regular quantifiers in logics                                                                           | Dec 2013 |
| 30 | M. S. Ramanujan     | Parameterized Graph Separation Problems: New Techniques and Algorithms                                  | Jul 2013 |
| 29 | S Sheerazuddin      | Automata and logic for systems with unboundedly many agents                                             | Jan 2013 |
| 28 | Geevarghese Philip  | The Kernelization complexity of some domination and covering problems                                   | Mar 2012 |
| 27 | Amaldev Manuel      | Counter automata and classical logics for data words                                                    | Feb 2012 |
| 26 | Neeldhara Misra     | Kernels for the F-Deletion Problem                                                                      | Jan 2012 |
| 25 | Sounya Paul         | A Computational study of strategy switching in large games                                              | Jan 2012 |
| 24 | M Praveen           | Parameterized complexity of some problems in concurrency and verification                               | Oct 2011 |
| 23 | Pushkar Joglekar    | Randomized Algorithms in some Commutative and Noncommutative Domains                                    | Sep 2011 |
| 22 | Aravind Natarajan   | Forbidden subgraph colorings, Oriented colorings and intersection dimensions of graphs                  | Jun 2011 |
| 21 | Srikanth Srinivasan | New Directions in Arithmetic and Boolean Circuit Complexity                                             | Jan 2011 |
| 20 | Prajakta Nimbhorkar | Complexity Analysis of some Problems in Planar Graphs, Bounded Tree-Width Graphs, and Planar Point Sets | Oct 2010 |
| 19 | Somnath Sikdar      | Parameterizing from the extremes: Feasible parameterizations of some NP-Optimization problems           | Jun 2010 |
| 18 | B V Raghavendra Rao | A Study of Width Bounded Arithmetic Circuits and the Complexity of Matroid Isomorphism                  | Mar 2010 |
| 17 | Bireswar Das        | Some complexity theoretic aspects of graph isomorphism and related problems                             | Feb 2010 |
| 16 | Sumil Simon         | A Logical Study of Strategies in Games                                                                  | Jan 2010 |
| 15 | Nutan Limaye        | Exploring LogCFL using language theory                                                                  | Dec 2009 |
| 14 | N Narayanan         | Acyclic, k-intersection edge colourings and oriented colouring                                          | Dec 2009 |
| 13 | Partha Mukhopadhyay | On Polynomial Identity Testing and Related Problems                                                     | Sep 2009 |
| 12 | Jayalal Sarma       | Complexity Theoretic aspects of Rank Rigidity and circuit evaluation                                    | Feb 2009 |
| 11 | Saket Saurabh       | Exact Algorithms for Optimization and parameterized versions of some graph theoretic problems           | Dec 2008 |
| 10 | T C Vijayaraghavan  | Classifying certain algebraic problems using Logspace counting classes                                  | Nov 2008 |
| 9  | Rahul Muthu         | Acyclic edge colouring: Bounds and algorithms                                                           | Sep 2008 |
| 8  | Piyush Kurur        | Complexity upper bounds using permutation group theory                                                  | Dec 2006 |
| 7  | B Meenakshi         | Reasoning about distributed message passing systems                                                     | 2004     |
| 6  | S P Suresh          | Foundations of Security Protocol Analysis                                                               | 2003     |
| 5  | S Srinivasa Rao     | Succinct data structures                                                                                | 2001     |
| 4  | P Madhusudan        | Control and synthesis of open reactive systems                                                          | 2001     |
| 3  | S V Nagaraj         | Problems in Algorithmic Number theory                                                                   | 1999     |
| 2  | Swarup Mohalik      | Models for concurrency: Local presentations for finite state distributed systems                        | 1998     |
| 1  | N V Vinodchandran   | Counting complexity and computational group theory                                                      | 1998     |