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Index

- k -partite graph, 4
 - complete k -partite graph, 4
 - complete bipartite graph, 4
- n -centralizer group, 15
- AC-group, 16
- borderenergetic
 - borderenergetic, 8
 - CNL-borderenergetic, 25
 - CNSL-borderenergetic, 25
 - L-borderenergetic, 8
 - Q-borderenergetic, 8
- centralizer, 15
- common neighborhood, 11
- common neighborhood row sum matrix, 24
- commuting conjugacy class graph, 20
- commuting graph, 17
- complete graph, 4
- conjugacy class, 16
- cycle, 4
 - Hamiltonian cycle, 4
- degree of a vertex, 4
- Derived graph, 4
- distance, 4
- dominant vertex, 183
- E-LE conjecture, 7
- energy
 - CN-energy, 12
 - CNL-energy, 25
 - CNSL-energy, 25
 - distance energy, 10
 - distance Laplacian energy, 10
 - distance signless Laplacian energy, 10
 - energy, 6
 - Laplacian energy, 6
 - signless Laplacian energy, 6
- hyperenergetic
 - CN-hyperenergetic, 12
 - CNL-hyperenergetic, 25
 - CNSL-hyperenergetic, 25
 - hyperenergetic, 8
 - L-hyperenergetic, 8
 - Q-hyperenergetic, 8
- integral
 - CNL-integral, 25
 - CNSL-integral, 25
 - distance integral, 9

- distance Laplacian integral, 9
- distance signless Laplacian integral, 9
- integral, 6
- L-integral, 6
- Q-integral, 6
- isomorphic, 5
- join, 5
- nilpotent, 16
- nilpotent conjugacy class graph, 182
- non-commuting graph, 17
- path, 4
- regular graph, 4
 - r-regular graph, 4
- solvable, 16
- solvable conjugacy class graph, 182
- spectrum
 - CN-Laplacian spectrum, 24
 - CN-signless Laplacian spectrum, 24
 - CN-spectrum, 12
 - distance Laplacian spectrum, 9
 - distance signless Laplacian spectrum, 9
 - distance spectrum, 9
 - Laplacian spectrum, 5
 - signless Laplacian spectrum, 5
 - spectrum, 5
- subgraph, 4
 - induced subgraph, 5
- topological index
 - first Zagreb index, 14
 - topological index, 13
 - Wiener index, 13
 - Zagreb index, 14
- tree, 4
- union, 5

List of published/accepted papers:

1. Cameron, P. J., Jannat, F. E., Nath, R. K. and Sharafadini, R. A survey on conjugacy class graphs. *Expositiones Mathematicae*, 42(4):125585-1–125585-26, 2024.
2. Jannat, F. E. and Nath, R. K. Common neighbourhood spectrum and energy of commuting conjugacy class graph. *Journal of Algebraic Systems*, 12(2):301–326, 2025.
3. Jannat, F. E., Pirzada, S. and Nath, R. K. Distance Laplacian spectrum and energy of commuting conjugacy class graphs. In *International Conference on Algebra and its Applications-2023*, volume 474, pages 289–314, 2025, Fez, Morocco, July 12-15, 2023, Springer, Singapore.
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5. Jannat, F. E. and Nath, R. K. Common neighborhood Laplacian and signless Laplacian spectra and energies of commuting graph. *Palestine Journal of Mathematics*, Accepted for Publication.
6. Nath, R. K., Jannat, F. E. and Das, K. C. Common neighborhood Laplacian and signless Laplacian spectra and energies of graphs, *Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie*, Accepted for Publication.
7. Jannat, F. E. and Nath, R. K. On distance spectra, energies and Wiener index of non-commuting conjugacy class graphs. *Journal of Algebra Combinatorics Discrete Structures and Applications*, Accepted for Publication.

List of conferences attended:

1. Participated and presented a paper *Common neighborhood spectrum and energy of commuting conjugacy class graph* in International Conference on Pure and Applied Mathematics (ICPAM 2023) organized by Department of Mathematics, NIT Jalandhar MNIT Jaipur from 26th to 28th October, 2023.
2. Participated and presented a paper *Common neighborhood Laplacian spectrum and energy of a graph* in International Conference on Applied Mathematical Sciences for Emerging Technologies – 2024 (ICAMSET - 2024) organized by Department of Mathematics, School of Engineering & Technology, Dhanalakshmi Srinivasan University, Perambalur, Tamil Nadu, India and Department of Mathematics, Siirt University, Siirt, Turkey in Dhanalakshmi Srinivasan University, Perambalur, Tamil Nadu, India from 13th to 14th December, 2024.
3. Participated and presented a paper *A survey on conjugacy class graphs of groups* in Two-Day Conference on “Mathematical Sciences and Applications” (An International Conference in Hybrid Mode) organized by Department of Mathematical Sciences, Tezpur University, Tezpur-784028, Assam, India from 2nd to 3rd January, 2025 in Tezpur University, Assam, India.
4. Participated and presented a paper *On distance spectra, energies and Wiener index of non-commuting conjugacy class graphs* in Tezpur University Science Graduate Research Conclave, 2025 organized by School of Sciences, Tezpur University, Tezpur-784028, Assam, India from 10th to 11th February, 2025 in Tezpur University, Assam, India.