

## PERSONAL INFORMATION

## Dr. Muhammad Kamran Jamil



📍 Quarter No. A-10 Rehman Pura Colony, Lahore, 54600, Pakistan

☎ +92 346 4105447

✉ [m.kamran.sms@gmail.com](mailto:m.kamran.sms@gmail.com)

🌐 [https://www.researchgate.net/profile/Muhammad\\_Kamran\\_Jamil/publications](https://www.researchgate.net/profile/Muhammad_Kamran_Jamil/publications)

Sex Male | Date of birth 13/11/1987 | Nationality Pakistani

## WORK EXPERIENCE

- 2020 - Present Associate Professor & Head of Mathematics Department  
Riphah International University, Lahore, Pakistan
- 2016 – 2020 Assistant Professor (Mathematics)  
Riphah International University, Lahore, Pakistan
- 2009-2011 Mathematics Teacher  
Modern college, Lahore, Pakistan

## EDUCATION AND TRAINING

- 2019-2020 Post-doctoral  
United Arab Emirates University, Al-Ain, UAE  
**Project:** Theoretical and computational aspects of topological indices and characterization of extremal graphs
- 2013-2016 PhD  
Abdus Salam School of Mathematical Sciences, GC University, Lahore, Pakistan  
**Thesis Title:** Graph Indices and Graph Products  
**Supervisor:** Eminent Prof. Ioan Tomescu
- 2011-2013 MPhil  
Abdus Salam School of Mathematical Sciences, GC University, Lahore, Pakistan  
**Thesis Title:** Properties of the Wiener Index in Graph Theory  
**Supervisor:** Eminent Prof. Ioan Tomescu
- 2005-2009 BS (Mathematics)  
University of the Punjab, Lahore, Pakistan

## ADDITIONAL INFORMATION

<b>Initiative as Head</b>	<ol style="list-style-type: none"><li>i. Riphah Mathematical Society (RMS), 2022</li><li>ii. Learning Scientific Writing and Editing (LSWE), 2022</li><li>iii. Riphah Mathematics Olympiad (RMO), 2023</li><li>iv. Workshop on Advancements in Mathematics and its Applications (WAMA 2023), 2023</li><li>v. Biweekly Research Seminars Series (RSS), 2023</li><li>vi. Riphah Women Mathematical Society (RWMS), 2023</li><li>vii. Mathematics Career Coach (MCC), 2023</li></ol>
<b>Honours and Awards</b>	<ol style="list-style-type: none"><li>i. Best performance in research in Department of Mathematics</li></ol>

	<ul style="list-style-type: none"> <li>award, 2019, Riphah International University, Lahore.</li> <li>ii. Pre-PhD Quality Research Award, 2015, Abdus Salam School of Mathematical Sciences, GC University, Lahore.</li> <li>iii. Scored 680 in GRE mathematics conducted by ETS.</li> </ul>
<b>Research Grants availed PI/Co-PI</b>	<ul style="list-style-type: none"> <li>i. “Theoretical and computational properties of topological indices in graph theory” under ORIC Riphah International University, 2021.</li> <li>ii. “Algorithms for T-spherical fuzzy information and their applications: Soft computing techniques” under ORIC Riphah International University, 2021.</li> </ul>
<b>Invited/keynote Speaker at Conferences\ Workshops</b>	<ul style="list-style-type: none"> <li>i. International conference on Graph Theory and Fluid Mechanics, Christ University, India February 27-28, 2018.</li> <li>ii. 2<sup>nd</sup> International Conference on Combinatorics, Cryptography and Computation, Iran University of Sciences and Technology, Tehran, Iran, December, 10-11, 2017.</li> </ul>
<b>Conferences\Workshops Presented</b>	<ul style="list-style-type: none"> <li>i. The AUA-UAEU Workshop on Graph Theory, Combinatorics and Applications (GTCA 2022)</li> <li>ii. The Second International Sharjah Spring School in Mathematics, Sharjah University, UAE, March, 24-25, 2019.</li> <li>iii. UAE Math Day 2019, American Sharjah University, Match 16, 2019.</li> <li>iv. NUST Conference on Recent Trends in Mathematical Sciences, NUST, Pakistan, November 7-8, 2017.</li> </ul>
<b>Conferences\Workshops Attended</b>	<ul style="list-style-type: none"> <li>i. 5<sup>th</sup> World Conference on 21<sup>st</sup> Century Mathematical Abdus Salam School of Mathematical Sciences, GC University, Lahore, February 9-13, 2011.</li> <li>ii. 6<sup>th</sup> World Conference on 21<sup>st</sup> Century Mathematical Abdus Salam School of Mathematical Sciences, GC University, Lahore, 2011.</li> <li>iii. Recent Advances in Graph Theory &amp; Combinatorics Workshop at Centre for Advanced Studies Mathematics, LUMS, November 23-24 2013.</li> </ul>
<b>Conference/Worksho/Seminar Conducted</b>	<ul style="list-style-type: none"> <li>i. 1<sup>st</sup> workshop on graph theory, combinatorics and applications (GCTA 2019), Department of Mathematical Sciences, United Arab Emirates University.</li> <li>ii. Seminar series on Graph Theory &amp; Combinatorics at Abdus Salam School of Mathematical Sciences, GC University, Lahore, 2015</li> <li>iii. Seminar series on Graph Theory &amp; Combinatorics at Abdus Salam School of Mathematical Sciences, GC University, Lahore, 2016.</li> <li>iv. Weekly seminars at Riphah International Univeristy, Lahore.</li> </ul>
<b>Administrative/Academic Responsibilities</b>	<p>At Riphah International University</p> <ul style="list-style-type: none"> <li>i. Heading Department of Mathematics</li> <li>ii. Incharge graduate and research program since April, 2017-January 2019</li> <li>iii. Member of board of studies, Department of Mathematics</li> <li>iv. Member of board of studies, Department of Physics</li> <li>v. Member of board of studies, Department of Electrical Engineering</li> </ul>
<b>Research Theses Supervised</b>	<ul style="list-style-type: none"> <li>i. 10 (MPhil)</li> </ul>

<b>Research student under supervision</b>	i. 08 students (MPhil) ii. 03 students (PhD)
<b>Reviewer/Referee</b>	<ul style="list-style-type: none"> <li>Reviewer to various international prestigious journals including Mathematical Reviews published under American Mathematical Society (AMS) and IEEE</li> <li>Qatar National Research Fund</li> </ul>
<b>Managing Editor</b>	<ul style="list-style-type: none"> <li>Open Journal of Discrete Applied Mathematics (ODAM)</li> </ul>

## SELECTED PUBLICATIONS



Muhammad Kamran Jamil

FOLLOWING

Department of mathematics, Riphah Institute of Basic and Applied Sciences, Riphah International

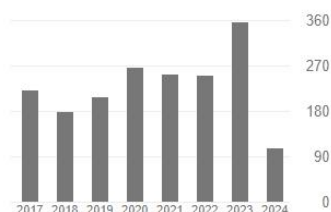
Verified email at riphah.edu.pk

Graph Theory Fuzzy Graph Theory Programming for Graph Th... Cryptography

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Citations	2022	1442
h-index	23	18
i10-index	52	42



TITLE	CITED BY	YEAR
<input type="checkbox"/> Forgotten topological index of chemical structure in drugs W Gao, MK Siddiqui, M Imran, MK Jamil, MR Farahani Saudi pharmaceutical journal 24 (3), 258-264	200	2016
<input type="checkbox"/> Characteristics studies of molecular structures in drugs W Gao, Y Wang, B Basavanagoud, MK Jamil Saudi Pharmaceutical Journal 25 (4), 580-586	163	2017

1. S. Anwar, M. Azeem, **M. K. Jamil**, Topological numbers of fuzzy soft graphs and their applications in globalizing the world by mutual trade, *Applied Soft Computing Journal* 159 (2024) 111642, <https://doi.org/10.1016/j.asoc.2024.111642>.
2. R. Nawaz, M. K. **Jamil**, M. Azeem, Edge-based metric resolvability of anti-depression molecular structures and its application, *Results in Chemistry* 7 (2024) 101458. <https://doi.org/10.1016/j.rechem.2024.101458>
3. M. Imran, M. Azeem, **M. K. Jamil**, M. Deveci, Some operations on intuitionistic fuzzy graphs via novel versions of the Sombor index for internet routing, *Granular Computing* (2024) 9:53, <https://doi.org/10.1007/s41066-024-00467-5>.
4. M. Azeem, S. Anwar, **M. K. Jamil**, M. Saeed, M. Deveci, Topological Numbers of Fuzzy Soft Graphs and Their Application, *Information Sciences*, (2024), <https://doi.org/10.1016/j.ins.2024.120468>. (I.F.8.1)
5. **M. K. Jamil**, S. Anwar, M. Azeem, I. Gutman, Intuitionistic fuzzy Sombor indices: A novel approach for improving the performance of vaccination centers, *Communications in Combinatorics and Optimization*, (2024), <https://doi.org/10.22049/cco.2023.28767.1709>.
6. M. Imran, M. Azeem, **M. K. Jamil**, M. Deveci, Exploring innovative single-value neutrosophic fuzzy topological graph parameters, *Granul. Comput.* **9**, 37 (2024). <https://doi.org/10.1007/s41066-024-00454-w>. (I.F 5.5)
7. A. N.A. Koam, A. Ahmad, S. Ali, **M. K. Jamil**, M. Azeem, Double edge resolving set and exchange property for nanosheet structure, *Heliyon*, 10 (2024), <https://doi.org/10.1016/j.heliyon.2024.e26992>. (I.F 4.0)
8. A. S. Alali, R. Ali, M. K. Jamil, J. Ali, Gulraiz, Dynamic S-Box Construction Using Mordell Elliptic Curves over Galois Field and Its Applications in Image Encryption, *Mathematics*, 12 (2024), 587, <https://doi.org/10.3390/math12040587>. (I.F. 2.14)
9. R. N. Bhatti, **M. K. Jamil**, M. Azeem, P. Poojary, Partition Dimension of Generalized Hexagonal Cellular Networks and Its Application, *IEEE access*, Digital Object Identifier 10.1109/ACCESS.2024.3351728. (I.F 3.9)
10. J. Ali, **M. K. Jamil**, A. S. Alali, R. Ali, Gulraiz, A medical image encryption scheme based on Mobius transformation and Galois field, (2023), <https://doi.org/10.1016/j.heliyon.2023.e23652>.

11. X. Zhang, M. Waheed, **M. K. Jamil**, U. Saleem, A. Javed, Entropy measures of the metal–organic network via topological descriptors, *Main Group Metal Chemistry* 2023; 46: 20230011.
12. R. Ali, **M. K. Jamil**, A. S. Alali, J. Ali, G. Afzal, A robust S-box design using cyclic groups and image encryption, *IEEE access* (2023), 10.1109/ACCESS.2023.3337443.
13. S. Anwar, **M. K. Jamil**, A. S. Alali, M. Zegham, A. Javed, Extremal values of the first reformulated Zagreb index for molecular trees with application to octane isomers, *AIMS Mathematics*, 9(1): 289–301, (2023) <http://dx.doi.org/10.3934/math.2024017>.
14. M. Imran, R. Ismail, M. Azeem, **M. K. Jamil**, E. H. A. Al-Sabri, Sombor Topological Indices for Different Nanostructures, (2023), <https://doi.org/10.1016/j.heliyon.2023.e20600>.
15. S. Bukhari, **M. K. Jamil**, M. Azeem, Vertex-edge based resolvability parameters of vanadium carbide network with an application, *Molecular Physics*, (2023), <https://doi.org/10.1080/00268976.2023.2260899>.
16. M. Imran, Rashad Ismail, M. Azeem, **M. K. Jamil**, E. H. A. Al-Sabri, Sombor Topological Indices for Different Nanostructures, *Heliyon*, (2023), <https://doi.org/10.1016/j.heliyon.2023.e20600>.
17. M. Noor, **M. K. Jamil**, K. Ullaha, M. Azeem, Energies of T-spherical fuzzy graph based on novel Aczel-Alsina T-norm and T-conorm with their applications in decision making, (2023) DOI:10.3233/JIFS-23108.
18. I. Masmali, M. T. A. Kanwal, **M. K. Jamil**, A. Ahmad, M. Azeem, A. N. A. Koam, COVID antiviral drug structures and their edge metric dimension, *Molecular Phy*, <https://doi.org/10.1080/00268976.2023.2259508>.
19. M. Nazar, M. Azeem, **M. K. Jamil**, Localisation of honeycomb rectangular torus, *Molecular Physics*, (2023), <https://doi.org/10.1080/00268976.2023.2252530>.
20. M. T. A. Kanwal, M. Azeem, **M. K. Jamil**, Note on the finite vertex-based partitioning of supramolecular chain in Dialkyltin, *Molecular Physics*, (2023) <https://doi.org/10.1080/00268976.2023.2254417>.
21. K. Asif, **M. K. Jamil**, H. Karamti, Muhammad Azeem, K. Ullah, Randic energies for T-spherical fuzzy Hamacher graphs and their applications in decision making for business plans, *Computational and Applied Mathematics* (2023) 42:106, <https://doi.org/10.1007/s40314-023-02243-8>.
22. Y. Tang, M. Labba, **M. K. Jamil**, M. Azeem, X. Zhang, Edge valency-based entropies of tetrahedral sheets of clay minerals, *Plos One*, (2023) <https://doi.org/10.1371/journal.pone.0288931>.
23. A. N. A. Koam, S. Ali, A. Ahmad, M. Azeem, **M. K. Jamil**, Resolving set and exchange property in nanotube, *AIMS Mathematics*, (2023) <http://dx.doi.org/10.3934/math.20231035>. (I.F. 2.739)
24. X. Zhang, U. Saleem, M. Waheed, **M. K. Jamil**, M. Zeeshan, Comparative study of five topological invariants of supramolecular chain of different complexes of N-salicylidene-L-valine, *AIMS Mathematical Bioscience and Engineering*, (2023) <http://dx.doi.org/10.3934/mbe.2023511>. (I.F. 2.194)
25. Y. Alqahtania, **M. K. Jamil**, H. Alshehria, Ali Ahmad, M. Azeem, Vertex metric resolvability of COVID antiviral drug structures, *Journal of Intelligent & Fuzzy Systems* 44 (2023) 1017–1028. (I.F. 1.737)
26. Q. Huang, M. Labba, M. Azeem, **M. K. Jamil**, R. Luo, Tetrahedral sheets of clay minerals and their edge valency-based entropy measures, *MBE*, 20(5): 8068–8084, (2023). (I.F. 2.194)
27. Y. Liu, M. Waheed, Umair Saleem, **M. K. Jamil**, M. Naveed, M. R. Farahani, Some Topological Values of Supramolecular Chain of Different Complexes of N-Salicylidene-L-Valine, DOI: 10.32604/cmes.2023.025071, (2023). (I.F. 2.027)
28. R. Luo, K. Dawood, **M. K. Jamil** and M. Azeem, Some new results on the face index of certain polycyclic chemical networks, *MBE*, 20(5): 8031–8048, (2023). (I.F. 2.194)
29. S. BUKHARI, **M. K. JAMIL**, M. AZEEM, S. SWARAY, Patched Network and Its Vertex-Edge Metric-Based Dimension, 10.1109/ACCESS.2023.3235398, (2023) (I.F. )
30. M. Azeem, **M. K. Jamil**, Y. Shang, Notes on the Localization of Generalized Hexagonal Cellular Networks, *Mathematics*, (2023), 11, 844., <https://doi.org/10.3390/math11040844>. (I.F. 2.592)
31. X. Zhang, M. T. A. Kanwal, M. Azeem, **M. K. Jamil**, M. Mukhtar, Finite vertex-based resolvability of supramolecular chain in dialkyltin, *Main Group Metal Chemistry* 2022; 45: 255–264. ()
32. X. Yu, M. Imran, A. Javed, **M. K. Jamil**, X. Zuo, Bounds on the general eccentric connectivity Index, *Symmetry*, [doi.org/10.3390/sym14122560](https://doi.org/10.3390/sym14122560), (2022). (I. F. 2.94)
33. M. Imran, R. Luo, **M. K. Jamil**, M. Azeem, K. M. Fahd, Geometric perspective to Degree–Based topological indices of supramolecular chain, *Results in Engineering*, <https://doi.org/10.1016/j.rineng.2022.100716>, (2022).
34. A. N.A. Koam, M. Azeem, **M. K. Jamil**, A. Ahmad, K. H. Hakami, Entropy measures of Y-junction based nanostructures, *Ain Shams Engineering Journal*, <https://doi.org/10.1016/j.asej.2022.101913>, (2022). (I.F. 4.790)
35. Q. Huang, A. Ahmad, **M. K. Jamil**, R. Luo, M. Azeem, Comparative study of vertex-edge based indices for semi-capped carbon nanotubes, *Mathematical Biosciences and Engineering*, 19(12): 12303–12315. (I.F. 2.08)

36. M. Azeem, **M. K. Jamil**, Aisha Javed, A. Ahmad, Verification of Some Topological Indices of Y-Junction Based Nanostructures by M-Polynomials, *Journal of Mathematics*, <https://doi.org/10.1155/2022/8238651>, (2022). (I. F. 1.555)
37. A. Al Khabyah, **M. K. Jamil**, A. N. A. Koam, A. Javed, M. Azeem, Partition dimension of COVID antiviral drug structures, *Mathematical Biosciences and Engineering*, 19(10): 10078–10095, (2022). (I. F. 2.08)
38. T. Naeem, **M. K. Jamil**, K. M. Fahd, A. Al-Ameri, Wiener index of intuitionistic fuzzy graphs with an application to transport network flow, *Complexity*, (2022), <https://doi.org/10.1155/2022/8016096>. (I.F. 2.833)
39. H. Raza, M. Waheed, **M. K. Jamil**, M. Azeem, Structures devised by the generalizations of two graph operations and their topological descriptors, *Main Group Metal Chemistry*, 45, (2022), 44-56. (I.F. 1.068)
40. A. A. S. A. Jamri, R. Hasni, **M. K. Jamil**, D. A. Mojdeh, Maximum second Zagreb index of trees with given Roman domination number, *Transaction on Combinatorics*, (2022), <http://dx.doi.org/10.22108/TOC.2022.128323.1848>.
41. Y. Wang, M. Waheed, **M. K. Jamil**, S. M. Shah, A. Aslam, H. Aram, Degree based topological indices of generalized subdivision double Corona product, *Journal of Chemistry*, (2022) <https://doi.org/10.1155/2022/3119739>. (I. F. 2.506)
42. **M. K. Jamil**, A. Javed, E. Bonyah, I. Zaman, Some upper bounds on the first general Zagreb index, *Journal of Mathematics*, (2022). (I. F. 0.971)
43. B. Bilal, **M. K. Jamil**, M. Waheed, A. Alameri, Three topological indices of two new variants of graph products, *Mathematical Problems in Engineering*, (I. F. 1.306) <https://doi.org/10.1155/2021/7724177>, (2021). (I.F. 1.306)
44. T. Naeem, A. Gumaal, **M. K. Jamil**, A. Alsanad, K. Ullah, Connectivity indices of intuitionistic fuzzy graphs and their applications in internet routing and transport network flow, *Mathematical Problems in Engineering*, (2021), <https://doi.org/10.1155/2021/4156879>. (I. F. 1.306)
45. A. Hussain, A. Alsanad, K. Ullah, Z. Ali, **M. K. Jamil**, M. A. A. Mosleh, Investigating the shor-circuit problem using the planarity index of complex q-rung orthopair fuzzy planar graphs, *Complexity*, (2021), <https://doi.org/10.1155/2021/8295997>. (I. F. 2.462)
46. S. Ding, M. I. Qureshi, S. F. Shah, A. Fahad, **M. K. Jamil**, J. B. Liu, Face index of nanotubes and regular hexagonal lattices, *International Journal of Quantum Chemistry*, (2021) DOI: 10.1002/qua.26761. (I. F. 2.44)
47. M. Imran, S. Akhter, **M. K. Jamil**, Computation of topological indices of NEPs of graphs, *Complexity*, (2021) <https://doi.org/10.1155/2021/9911226>. (I.F. 2.462)
48. A. Fahad, A. Aslam, M. I. Qureshi, **M. K. Jamil**, A. Jaleel, Zagreb connection indices of some classes of networks, *Biointerface Research in Applied Chemistry*, 11(3), (2021), 10074-10081.
49. B. Bi, **M. K. Jamil**, K. M. Fahd, T. L. Sun, I. Ahmad, L. Ding, Algorithms for computing Wiener indices of acyclic and unicyclic graphs, *Complexity*, (2021), <https://doi.org/10.1155/2021/6663306>.
50. S. N. Fitriah Mohamad, R. Hasni, B. Yusoff, N. Jan, **M. K. Jamil**, Novel concept of interval-valued neutrosophic incidence graphs with applications, *Neutrosophic Sets and Systems*, Vol. 43, (2021).
51. Z. Du, A. Ali, R. Rafee, Z. Raza, **M. K. Jamil**, On the first extremum Zagreb indices and coindices of chemical trees, *Quantum chemistry*, (2020) <https://doi.org/10.1002/qua.26547>. (I.F. 4.747)
52. **M. K. Jamil**, M. Imran, A. Javed, R. Hasni, On the first general Zagreb eccentricity index, *AIMS Mathematics*, 6(1) (2020), 532-542. (I. F. 0.882)
53. W. N. N. N. W. Zuki, Z. Du, **M. K. Jamil**, R. Hasni, Extremal trees with respect to the difference between atom-bond connectivity index and Randic index, *Symmetry*, (2020), 12, doi:10.3390/sym12101591. (I.F. 4.143)
54. A. Javed, M. K. Jamil, J. B. Liu, A. Ali, Extremal (n,m)-graphs w.r.t. general multiplicative Zagreb indices, *Combinatorial Chemistry & High Throughput Screening*, 2020, 23,. (I. F. 1.195)
55. M. Imran, T. Nawaz, M. A. Malik, **M. K. Jamil**, S. Hayat, On topological properties of boron and boron- $\alpha$  nanotubes, *Math. Meth. Appl. Sci.*, (2020) 1-15, DOI: 10.1002/mma.6808. (I. F. 1.626)
56. X. Zhang, A. Raza, A. Fahad, **M. K. Jamil**, M. A. Chaudhry, Z. Iqbal, On face index of silicon carbides, *Disc. Dynam. Nat. Soc.*, (2020) <https://doi.org/10.1155/2020/6048438>.
57. M. Knor, M. Imran, **M. K. Jamil**, R. Skrekovski, Remarks on distance based topological indices for l-apex trees, *Symmetry*, (2020) DOI:12, 802; doi:10.3390/sym12050802. (I.F. 2.143)
58. M. R. Alfuraidan, M. Imran, **M. K. Jamil**, T. Vetrik, General multiplicative Zagreb indices of graph with bridges, *IEEE access*, (2020) 10.1109/ACCESS.2020.3005040. (I.F. 4.098)
59. **M. K. Jamil**, I. Tomescu, M. Imran, Extremal k-generalized quasi trees for general sum-connectivity index, *U. P. B. Sci. Bull., Series A*, 83(2) (2020) 101-106. (0.478)
60. A. Ye, A. Javed, **M. K. Jamil**, K. A. Sattar, A. Aslam, Z. Iqbal, A. Fahad, On computation of face index of certain nanotubes, *Disc. Dyna, Nat. Soc.*, <https://doi.org/10.1155/2020/3468426>. (0.87)



61. Z. Q. Chu, **M. K. Jamil**, A. Javed, Extremal hyper Zagreb index for tricyclic graphs, *Int. J. Appl. Maths.*, 32(6) (2019) 959-968.
62. **M. K. Jamil**, I. Tomescu, M. Imran, A. Javed, Some bounds on zeroth-order general Randic index, *Mathematics*, 2020, 8, 98; doi:10.3390/math8010098. (I.F. 1.105)
63. **M. K. Jamil**, M. Imran, K. A. Sattar, Novel face index for benzenoid hydrocarbons, *Mathematics*, 2020, doi:10.3390/math8030312. (I.F. 1.105)
64. M. Imran, **M. K. Jamil**, Sharp bounds for certain topological index for generalized Sierpinski graphs, *Chaos, Solitons and Fractals*, 132 (2020) 109608. (I.F. 3.064)
65. F. Javaid, **M. K. Jamil**, I. Tomescu, Extremal k-generalized Quasi Unicyclic Graphs with Respect to First and Second Zagreb Indices, *Discrete Applied Mathematics, Disc, Appl. Maths.* 270 (2019) 153-158. (I. F. 0.932)
66. D. Zhao, Z. Iqbal, R. Irfan, M. A. Chaudhry, M. Ishaq, **M. K. Jamil**, Asfand Fahad, Comparison of irregularity indices of several dendrimers structures, *Processes* 2019, 7, 662; doi:10.3390/pr7100662. (I.F. 1.963)
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68. A. Ye, M. I. Qureshi, A. Fahad, A. Aslam, **M. K. Jamil**, A. Zafar, R. Irfan, Zagreb connection number index of nanotubes and regular hexagonal lattice, *Open Chem.*, 17 (2019) 75-80. (I.F. 1.425)
69. A. Aslam, **M. K. Jamil**, w. Gao. W. Nazeer, Topological aspects of some dendrimer structures, *Nanotechnology Rev.*, 7(2) (2018) 123-129. (I. F.1.438)
70. E. Milovanovic, I. Milovanovic, **M. K. Jamil**, Some properties of the Zagreb indices, *Filomat*, 32:7 (2018), 2667-2675. (I.F. 0.789)
71. A. Javed, **M. K. Jamil**, 3-total edge product cordial labelling of rhombic grid, *AKCE International Journal of Graphs and Combinatorics*, 16(2) (2019) 213-221.
72. J. Kok, S. Naduvath, **M. K. Jamil**, Dominating chromatic weights of graphs, *Applied Mathematics E-Notes*, 18(2018) 51-61.
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74. **M. K. Jamil**, J. Kok, M. R. Farahani, The Harmonic polynomial and harmonic index of certain carbon nanotubes, *International Journal of Advances in Mathematics*, 1 (2018) 95-100.
75. W. Gao, **M. K. Jamil**, A. Javed, M. R. Farahani, M. Imran, Inverse sum indeg index of the line graphs of subdivision graphs of some chemical structures, *U. P. B. Sci. Bull Series B*, 80(3) (2018) 97-104.
76. **M. K. Jamil**, Aisha Javed, w. Nazeer. M. R. Farahani, Y. Gao, Four vertex-degree-based topological indices of nanotubes, *Communications in Mathematics and Applications*, 9(1) (2017) 99-105.
77. W. Gao, **M. K. Jamil**, W. Nazeer, M. Amin, Degree-based multiplicative atom-bond connectivity index of nanostructures, *IANENG International Journal of Applied Mathematics*, 47(4) 2017.
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