|  |  |
| --- | --- |
| **Dr. Kashif Ali**  **Tenured Professor**  **Department of Mathematics**  **COMSATS University Islamabad,**  **Lahore Campus, Pakistan.**  **Office #:+92 42 99205504**  **Cell# +923036939400, +923334553199**  **akashifali@gmail.com, kashif.ali@cuilahore.edu.pk** |  |

**Academic Qualification:**

|  |  |  |
| --- | --- | --- |
| **PhD**  **in Mathematics** | **Abdus Salam School of Mathematical Sciences, G.C. University, Lahore**  **Pakistan.** | **2008** |

I did my PhD in Mathematics from a prestigious institute Abdus Salam School of Mathematical Sciences (ASSMS), G. C. University, Lahore in 2008. I did my PhD thesis in ***Graph Theory*** under the supervision of Prof. Dr. Edy Tri Baskoro. My areas of research in graph Theory are ***graph Ramsey numbers, metric dimensions, graph labelings and molecular properties of chemical graphs. I am also working on the exact solution and soliton solutions of partial differential equations.***

**Approved Projects:**

* A project titled “On H-Supermagic Covering of Different Families of Graph” has been approved and received the grant of Rs. PK =947,189/- via no. 20-3735/R&D/HEC/14/698, from Higher Education Commission of Pakistan.
* Analytical Study of Optical Solitons with Fractional Nonlinear Schrodinger Equation, has been approved and received the grant of Rs. PK =1.463607 Million  from Higher Education Commission of Pakistan NRPU 2016.
* The Study on Indices, Counting Polynomials and Labelings Of Graphs; has been approved and received the grant of Rs. PK =905650/-  from Higher Education Commission of Pakistan NRPU 2016.

**Distinctions and Awards:**

* I am HEC approved supervisor for PhD-level students in the field of Mathematics.
* **I successfully completed my Post Doctorate studies under the supervision of Prof. Dr. Mirka Miller at School of Electrical Engineering and Computer Science, The University of Newcastle, Australia from Nov 30, 2010 to Nov 29, 2011.**
* I am working as an ***incharge*** of ***Graph Theory and Combinatorics Group*** in the department of mathematics, CIIT, Lahore.

* I have honor to do my research work with Combinatorial Mathematics Research Group, Faculty of Mathematics and Natural Sciences, Institut Tecknologi Bandung, Indonesia from April 2007 to May 2007.
* Awarded travel grant by CIMPA, France, to attend and present at CIMPA School on graph labelings, graph decomposition and Hamiltonian cycles, Laos, 2014.

**PhD Mathematics Theses Supervision**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title of the Thesis** | **Year of Graduation** | **Program** |
| **Syed Tahir Raza Rizvi** | On Group Magic Labelings of Some Families of Graphs | **Fall 2016** | **PhD** |
| **Ms. Madiha Khalid** | On Cycle Coverings and Edge Magicness of Some Graphs | **Fall 2018** | **PhD** |
| **Badar Nawaz** | Analytical Study of Soliton for Nonlinear Schrödinger Equation | **Fall 2019** | **PhD** |
| **Muhammad Asim Razzaq** | Algebraic Characteristics of Total Weighted Graphs | **Spring 2021** | **PhD** |
| **Ijaz Ali**  **(Co-supervisor)** | Exact and Multiple Solitons with Conservation Laws for Nonlinear Schrodinger Equations | **Spring 2022** | **PhD** |
| **Ms. Farhana Yasmeen** | Extremal and Computational  Invariants of Different Families  of Graphs | **Spring 2023** | **PhD** |

**MS Mathematics Theses Supervision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Name** | **Title of the Thesis** | **Year of Graduation** | **Program** |
|  | **Faraz William** | Intrinsic Nature of Gaussian Curvature | Spring 2023 | MS |
|  | **Haider Ali** | Use of Artificial Intelligence in Group Representation  Theory | Spring 2023 | MS |
|  | **Marwa Anwer** | Soliton Solutions for Various Nonlinear models by  Sub-ODE Technique | Spring 2023 | MS |
|  | **Basharat Ali** | Computation of Degree Based Indices and Entropies of Some | Fall 2022 | MS |
|  | **Noor ul Huda** | Mostar Invariants of Different Families of Graphs | Fall 2022 | MS |
|  | **Syed Kamran Naqvi** | Stationary Solutions for Nonlinear Schrödinger Equations by Lie Group Analysis | Spring 2022 | MS |
|  | **Sana Ullah** | Degree-Distance Based Topological Indices | Spring 2022 | MS |
|  | **Muhammad Hanif** | Topological Indices of Certain Transformed Chemical Structures | Fall 2021 | MS |
|  | **Muhammad Shahid** | On Entropy Measures of Some Dendrimer | Fall 2021 | MS |
|  | **Ali Bahadar** | Resolving Topological Index of Graphs Associated with Dihedral Groups | Spring 2021 | MS |
|  | **Maryam Saber** | Entropy Measures of Degree Based Invariants | Spring 2021 | MS |
|  | **Abdur Rehman Hashmi** | Computational Invariants of Some Chemical Structures | Spring 2021 | MS |
|  | **Muhammad Kaleem** | H-Irregular Total Labelings of Connected Graphs | Spring 2021 | MS |
|  | **Bilal Ahmad** | Some Topological Polynomials of Transformed Graphs | Fall 2020 | MS |
|  | **Abaid Ur Rehman** | Some Topological Invariants for Extended Para-Line Graphs | Fall 2020 | MS |
|  | **Tanveer Hussain Qamar** | Distance Based Polynomials of some Graphs | Spring 2020 | MS |
|  | **Muhamamd Imran** | On Degree-Distance Based Invariants of Chemical Graphs | Spring 2020 | MS |
|  | **Adnan Bhatti** | Group Magic Labelings of Some Graphs | Fall 2019 | MS |
|  | **Sabeen Amjad** | Eccentricity Base Topological Indices for Some Graphs | Fall 2019 | MS |
|  | **Muhammad Waseem** | M-Polynomials of New Families of Graphs | Fall 2019 | MS |
|  | **Shahbaz Ali** | Counting Polynomials of Chemical Graphs | Spring 2019 | MS |
|  | **Ali Raza** | Group cycle magic labeling of graphs | Spring 2019 | MS |
|  | **NayabArooj** | Topological Invariants Related to Graph Operations | Spring 2018 | MS |
|  | **Haroon Hanif** | Jacobic Elliptic Solition Solutions for Lakhsmanan-Porsezian Daniel (LPD) Model | Spring 2018 | MS |
|  | **Aqib Ali** | Distance Base Topological Invariants of Chemical Graphs | Fall 2018 | MS |
|  | **Mujahid Shehzad** | H-Irregular Strengths of Connected Graphs | Fall 2018 | MS |
|  | **Muhammad Salman** | New Thirring Optical Solitons with Vector Coupled Schrodinger Equations in Birefringent Fibers | Fall 2017 | MS |
|  | **Shamoon Bashir** | Jacobian Elliptic Periodic Soliton Solutions for NLSE | Fall 2017 | MS |
|  | **Mahrukh** | Degree Base Topological Indices of Some Families of Graphs | 2017 | MS |
|  | **Ijaz Ali** | Analytical Study of NLSE in Optical Solitons | 2016 | MS |
|  | **Abdul Rauf** | Super edge-magic deficiencies of forests of alpha families of trees | 2016 | MS |
|  | **Nasreen Abbas** | On Cycle-Magic Labelings of Gear Graphs | 2015 | MS |
|  | **Imtiaz Riaz** | On Cycle-Supermagic Labelings of Some Families of Graphs | 2014 | MS |
|  | **M. Asim Razzaq** | Super Edge Anti-Magic Total labelings on Forests of W-Trees | 2010 | MS |

**Academic Experience:**

* Tenured Professor (Mathematics) at COMSATS University Islamabad, Lahore since **April 11, 2022** to date.
* Associate Professor (Mathematics) at COMSATS Institute of Information Technology, Lahore December 21, 2014 to **April 10, 2022** .
* Assistant Professor (Mathematics) at COMSATS Institute of Information Technology, Lahore since December 01, 2012 to December 21, 2014.
* Post Doctorate Fellowship, School of Electrical Engineering and Computer Science, The University of Newcastle, Australia from Nov 30, 2010 to Nov 29, 2011.
* Assistant Professor (Mathematics) at COMSATS Institute of Information Technology, Lahore since July 01, 2008 to Nov 29, 2010.
* Lecturer (Mathematics) at COMSATS Institute of Information Technology, Lahore from January 31, 2008 to June 30, 2008.

**Research Publications:**

1. N. Aziz, K. Ali, A. R. Seadawy, A. Bashir, Syed Tahir Raza Rizvi (2023), "Discussion on couple of nonlinear models for lie symmetry analysis, self adjointees, conservation laws and soliton solutions", Optical and Quantum Electronics, pp: 201, Vol: 55, Impact Factor: 2.794
2. S. T. R. Rizvi, A. R. Seadawy, Nimra, K. Ali, N. Aziz, Variety of optical soliton solutions via sub-ODE approach to embedded soliton generating model in quadratic nonlinear media, International Journal of Modern Physics B, 37 (14) (2023) 2350137.
3. Aly R. Seadawy, Syed T.R. Rizvi, B. Mustafa, K. Ali, Saeed Althubiti, Chirped Periodic Waves for an Cubic-Quintic Nonlinear Schrödinger Equation with Self Steepening and Higher Order Nonlinearities, [Chaos, Solitons & Fractals](https://www.sciencedirect.com/journal/chaos-solitons-and-fractals), [Volume 156](https://www.sciencedirect.com/journal/chaos-solitons-and-fractals/vol/156/suppl/C) (2022), 111804, Impact Factor: 7.8
4. A.R. Seadawy, Syed Tahir Raza Rizvi, B. Mustafa, Kashif Ali, S. Althubiti, Chirped periodic waves for an cubic quintic nonlinear Schrödinger equation with self steepening and higher order nonlinearities, Chaos, Solitons and Fractals, 156 **(2022)** 111804.
5. Syed Tahir Raza Rizvi, A. R. Seadawy, Kashif Ali, M. Younis, M. A. Ashraf, Multiple lump and rogue wave for time fractional resonant nonlinear Schrödinger equation under parabolic law with weak nonlocal nonlinearity, Optical and Quantum Electronics, 54 **(2022)** 212.
6. Aly.R. Seadawy, S. Ahmad, Syed Tahir Raza Rizvi, Kashif Ali, Various forms of lumps and interaction solutions to generalized Vakhnenko Parkes equation arising from high-frequency wave propagation in electromagnetic physics, Journal of Geometry and Physics, 176 **(2022)** 104507.
7. F. Ashraf, A. R. Seadawy, Syed Tahir Raza Rizvi, Kashif Ali, M. A. Ashraf, Multi-wave, M-shaped rational and interaction solutions for fractional nonlinear electrical transmission line equation, Journal of Geometry and Physics, 177 **(2022)** 104503.
8. Syed Tahir Raza Rizvi, A. R. Seadawy M. Hanif, M. Younis, Kashif Ali, A. Althobaiti, Investigation of chirp-free dromions to higher order nonlinear Schrödinger equation with non-Kerr terms, Int. J. Mod. Phy. B, 36 (5) **(2022)** 2250043.
9. Kashif Ali, A. R. Seadawy, S. Ahmad, Syed Tahir Raza Rizvi, Discussion on rational solutions for Nematicons in liquid crystal with Kerr law, Chaos, Solitons and Fractals, 160 (2022) 112218.
10. Aly R. Seadawy, S. Ahmed, Syed Tahir Raza Rizvi, Kashif Ali, Lumps, breathers, interactions and rogue wave solutions for a stochastic gene evolution in double chain deoxyribonucleic acid system, Chaos Solitons and Fractals, 161 (2022) 112307.
11. N. Aziz, A. R. Seadawy, Kashif Ali, M. Sohail, Syed Tahir Raza Rizvi, The nonlinear Schrödinger equation with polynomial law nonlinearity: localized chirped optical and solitary wave solutions, Optical and Quantum Electronics, 54 (2022) 458.
12. Syed Tahir Raza Rizvi, A. R. Seadawy, B. Mustafa, Kashif Ali, R. Ashraf, Propagation of chirped periodic and solitary waves for the coupled nonlinear Schrödinger equation in two core optical fibers with parabolic law with weak non‑local nonlinearity, Optical and Quantum Electronics, 54 (2022) 545.
13. N. Aziz, A. R. Seadawy, U. Raza, Kashif Ali, Syed Tahir Raza Rizvi, Chirped optical pulses for generalized longitudinal Luglato Lefever: cubic nonlinear Schrodinger equation, Optical and Quantum Electronics, 54 (2022) 649.
14. A.Bashir, A. R. Seadawy, S. Ahmed, Syed Tahir Raza Rizvi, The Weierstrass and Jacobi elliptic solutions along with multiwave, homoclinic breather, kink-periodic-cross rational and other solitary wave solutions to Fornberg Whitham equation, Chaos, Solitons and Fractals, 163 (2022) 112538.
15. Aly R. Seadawy, Syed Tahir Raza Rizvi, M. Sohail, Kashif Ali, Nonlinear model under anomalous dispersion regime: chirped periodic and solitary waves, Chaos, Solitons and Fractals, 163 (2022) 112558.
16. Syed Tahir Raza Rizvi, A. R. Seadawy, T. Batool, Kashif Ali, Several new analytical solutions for Davydov solitons in α-helix proteins, Int. J. Mod. Phys. B, 36 (30) (2022) 2250213.
17. T. Batool, A. R. Seadawy, Syed Tahir Raza Rizvi, Kashif Ali, Homoclinic breather, M‑shaped rational, multiwaves and their interactional solutions for fractional quadratic‑cubic nonlinear Schrödinger equation, Optical and Quantum Electronics, 54 (2022) 844.
18. S. T. R. Rizvi, Kashif Ali, A. Bekir, B. Nawaz, M. Younis, Investigation on the single and multiple dromions for nonlinear Telegraph equation in electrical transmission line model, Qualitative Theory of Dynamical Systems (Springer Science), 21 (2022) 12 126-136.
19. F. Yasmeen, [Kashif Ali](https://www.tandfonline.com/author/Ali%2C+Kashif), S. T. R. Rizvi, Edge Monstar Indices of Cacti graphs with fixed cycles, Frontier of Chemistry,  <https://doi.org/10.3389/fchem.2021.693885>, July 09, 2021.
20. [Dongming Zhao](https://www.tandfonline.com/author/Zhao%2C+Dongming),[Yu-Ming Chu](https://www.tandfonline.com/author/Chu%2C+Yu-Ming), [M. K. Siddiqui](https://www.tandfonline.com/author/Siddiqui%2C+Muhammad+Kamran), [Kashif Ali](https://www.tandfonline.com/author/Ali%2C+Kashif), [M. Nasir](https://www.tandfonline.com/author/Nasir%2C+Muhammad)\*\*, [M. Tayyab Younas](https://www.tandfonline.com/author/Younas%2C+Muhammad+Tayyab), [M. Cancan](https://www.tandfonline.com/author/Cancan%2C+Murat), On Reverse Degree Based Topological Indices of Polycyclic Metal Organic Network, [Polycyclic Aromatic Compounds](https://www.tandfonline.com/gpol20), Published March 04, 2021
21. S. T. R. Rizvi, Aly. R. Seadawy, S. Ahmed\*, M. Younis, Kashif Ali, Lump, rogue wave, multi-waves and Homoclinic breather solutions for (2+1)-Modified Veronese Web equation, International Journal of Modern Physics B, 35 (04) (2021) 2150055.
22. S. T. R. Rizvi, Aly R. Seadawy, S. Ahmad, M. Younis, K. Ali, Study of Multiple lump and rough waves to the generalized unstable space time fractional nonlinear Schrödinger equation, Chaos, Solitons and Fractals, 151(2021), 111251.
23. S. T. R. Rizvi, I. Ali, M. Younis, K. Ali, M. M. Makhlouf, A. Althobaiti, Conservation laws, optical molecules, modulation instability and Painleve analysis for Chen-Lee-Liu model, Optical and Quantum electronics, 53 (2021) 172.
24. Kashif Ali etal. On Degree Based Topological Indices of Transition Metal-Tetra Cyano Polycyclic Benzene Organic Network, [Polycyclic Aromatic Compounds](https://www.tandfonline.com/gpol20), Published March 04, 2021.
25. H. Iqbal, M. O. Ahmad, Kashif Ali, S. T. R Rizvi, Eccentricity Based Topological Indices of Some Benzenoid Structures, Utilitas Mathematica, 116(2020), 547-71.
26. X. Zhang, M. A. Razzaq , Kashif Ali , S. T. R. Rizvi & M. R. Farahani, A new approach to find eccentric indices of some graphs, Journal of Information and Optimization Sciences, 4(41) (2020), 865-877.
27. S. T. R. Rizvi, I. Ali\*, Kashif Ali, G. Mustafa, Conserved densities and fluxes for nonlinear Schrödinger equations using scaling invariance approach, Modern Physics Letters B,  34 (26) (2020) 2050275.
28. I. Ali\*, A. R. Seadawy, S. T. R. Rizvi , M. Younis, Kashif Ali, Conserved quantities along with Painleve analysis and Optical solitons for the nonlinear dynamics of Heisenberg ferromagnetic spin chains model, International Journal of Modern Physics B. Publisher: World Scientific Country: Singapore.
29. S. T. R. Rizvi, I. Afzal\*, Kashif Ali, Dark and singular optical solitons for Kundu Mukherjee Naskar model, *Modern Physics Letters B*, 34 (6) (2020) 2050074.
30. S. T. R. Rizvi, U. Safdar, I. Bibi, K. Ali, Q. Zhou, Solitons of The Complex Nonlinear Schrödinger Equation with Parity Time Symmetry Linear-Nonlinear Lattice Potentials, Romanian Reports in Physics, 72 (2020) 111.  IF=2.147
31. X. Zuo, Jia. B. Liu, H. Iqbal, K. Ali, S. T. R. Rizvi, X. W. Zuo Topological Indices of Certain Transformed Chemical Structures, Journal of Chemistry, (2020) 3045646. Impact Factor is \*1.7\*.
32. I. Ali, K. Ali, S. T. R. Rizvi, Conserved quantities for compressional dispersive Alfv´en and soliton dynamics with non-local nonlinearity, Physica Scripta, 95 (4) (2020) 045209. Impact Factor is \*2.151\*.
33. S. T. R. Rizvi, I. Ali, S. O. Abbas, K. Ali, Q. Zhou, Optical Solitons in Non-Kerr Nonlinear Media with an Imprinted Parity Time Symmetric Mixed Linear Non-Linear Lattice, Romanian Reports in Physics, 72, 417 (2020)  IF=1.9.
34. S. T. R. Rizvi, K. Ali, M. Ahmad, Optical solitons for Biswas-Milovic equation by new extended auxiliary equation method, Optik, 204 (2020) 164181. Impact Factor is \*1.914\*.
35. S. T. R. Rizvi, I. Afzal, K. Ali, M. Younis, Stationary Solutions for Nonlinear Schrödinger Equations by Lie Group Analysis, Acta Physica Polonica A, 136 (1) (2019) 187-189. Impact Factor is \*.545\*.
36. B. Nawaz, K. Ali, S. O. Abbas, S. T. R. Rizvi, Q. Zhou, Optical solitons for non-Kerr law nonlinear Schrodinger equation with third and fourth order dispersions, Chinese Journal of Physics, 60 (2019) 133-140. Impact Factor is \*2.545\*.
37. S. T. R. Rizvi, K. Ali, H. Hanif, Optical solitons in dual core fibers under various nonlinearities, Modern Physics Letters B, 33 (17) (2019) 1950189. Impact Factor is \*.731\*.
38. S. T. R. Rizvi, I. Afzal, K. Ali, Chirped optical solitons for Triki-Biswas equation, Modern Physics Letters B, 33 (22) (2019) 1950264. Impact Factor is \*.731\*. 0217-9849
39. H. Iqbal, M. O. Ahmad, K. Ali, S. T. R. Rizvi, Computing topological descriptors for the molecular structure of anticancer drug, International journal of advanced and applied sciences, 6 (9) (2019) 25-30. ISI
40. Kashif Ali, S. T. R. Rizvi, B. Nawaz, M. Younis, Optical solitons for paraxial wave equation in Kerr media, Modern Physics Letters B, (2019) Volume: 33, Issue 3,Article Number: 1950020, Impact Factor is \*0.731\*.
41. Kashif Ali, S. T. R. Rizvi, M. A. Razzaq (2018), H-groupmagic total labelings of families of fan graphs, Utilitas Mathematica, Volume: 108   Pages: 213-219  and Impact Factor is \*0.31\*.
42. Kashif Ali, Syed Tahir Raza Rizvi, N. Iqbal, A. Gulraze (2018), Super Edge-Magicness of Stars Like Graphs, ARS Combinatoria, pp: 405-417, Vol: 136, Impact Factor: 0.186.
43. Kashif Ali, S. T. R. Rizvi, A. Khalil, M. Younis, Chirped and dipole soliton in nonlinear negative-index materials, Optik, (2018)Volume: 172, 657-661,Impact Factor: 1.168. Impact Factor: 1.19.
44. Xu Li, Jia-Bao Liu, Asim Razzaq, Kashif Ali,Syed Tahir Raza Rizvi, Mohammad Reza Farahani, A study of inertia indices, signature and nullity of V-phenylenic [m,n], Revista De Chimie, 69, 2018, 10-12. Impact Factor: 1.412.
45. S. T. R. Rizvi, Kashif Ali, U. Akram, M. Younis, Analytical study of solitons for Lakshmanan-Porsezian-Daniel model with parabolic law nonlinearity, Optik, 168 (2018) 27-33.Impact Factor: 1.19.
46. B. Nawaz, S. T. R. Rizvi, Kashif Ali, M. Younis, Optical soliton for perturbed nonlinear fractional Schrodinger equation by extended trial function method, Optical and Quantum Electronics, 50: 204 (2018), Impact Factor: 1.168.
47. R. Ashraf, M.O. Ahmad, M. Younis, K. U. Tariq, Kashif Ali, S. T. R. Rizvi, Dipole and combo solitons in DWDM systems, Optik, 158 (2018) 1073-1079.Impact Factor: 1.19.
48. S. T. R. Rizvi, Kashif Ali, M. Hussain, Cycle-supermagiclabelings of the disjoint union of graphs, Utilitas Mathematica, 104 (2017) 215-226. *IF=0.261*
49. M. Khalid, S. T. R. Rizvi, Kashif Ali,Note on cycle-(super)magic labelings of disconnected graphs, Utilitas Mathematica 104 (2017) 315-320. *IF=0.261*
50. B. Nawaz, Kashif Ali, S. T. R. Rizvi, M. Younis, Soliton solutions for quintic complex Ginzburg-Landau model, Superlattices and Microsturctures, 110 (2017) 49-56. *IF=2.099*
51. S. T. R. Rizvi, Kashif Ali, M. Salman, B. Nawaz, M. Younis, Solitary wave solutions for quintic complex Ginzburg-Landau model, Optik, 149 (2017) 59-62. Impact Factor: 1.19.
52. Kashif Ali, S. T. R. Rizvi, S. Ahmad, S. Bashir, M. Younis, Bell and kink type soliton solutions in birefringent nano-fibers, Optik, 142 (2017) 327-333. Impact Factor: 1.19.
53. M. Ashraf, M. O. Ahmad, M. Younis, Kashif Ali, S. T. R. Rizvi, Dipole and Gausson soliton for ultrashort laser pulse with high order dispersion, Superlattices and Microsturctures, 109 (2017) 504-510. *IF=2.099*
54. S. T. R. Rizvi, S. Saleem, Kashif Ali,M. Younis, New Thirring Optical Solitons with Vector Coupled Schrodinger Equations in Birefringent Fibers, *Waves in Random and Complex Media*, 27 (2) (2017) 359-366. *IF=2.54*
55. S. T. R. Rizvi, Kashif Ali, S. Bashir, M. Younis, R. Ashraf, M. O. Ahmad, Exact Soliton of (2+1)-dimensional fractional Schrodinger equation, Superlattices and Microsturctures, 107 (2017) 234-239. *IF=2.009*
56. S. T. R. Rizvi, S. Basheer, Kashif Ali, S. Ahmad, Jacobian elliptic periodic traveling wave solutions for Biswas-Milovic equation, *Optik*, 131 (2017), 582-587. *IF=1.19*
57. S. T. R. Rizvi, Kashif Ali, A. Sardar, M. Younis, A. Bekir, Symbolic computation and abundant traveling wave solutions to KdV-mKdV equation, *Pramana Journal of Physics*, (2017) 88 (1):16. *IF=0.52*
58. S. T. R. Rizvi, Kashif Ali,Jacobian elliptic periodic traveling wave solutions in the negative-index materials, *Nonlinear Dynamics*, 87(3) (2017) 1967-1972. *IF=3.464*
59. Kashif Ali et al. Dispersive Optical Solitons in Nano fibers with Schrodinger-Hirota Equations, Journal of Nanoelectronics and Optoelectronics (2016), vol. 11, 382-387, and Impact Factor is \*0.48\*.
60. KashifAli, S. T. R. Rizvi, A. Semanicova-Fenovcikova, C4-supermagic labelings of disjoint union of prisms, Mathematical Reports**,** (2016)vol. 18(68), No. 3 and Impact Factor is \*0.10\*.
61. Kashif Ali, S. T. R. Rizvi, I. Ali, M. Younas, Saturation of the nonlinear refractive index for optical solitons in two-core fibers, Optik, (2016), vol. 127, pp. 5328-5333,and Impact Factor is \*0.68\*.
62. Kashif Ali et al., vertex version of co-pi index of Titania Nanotubes (TIO2), Advances and Applications in Mathematical Sciences**,** (2016),volume 15, issue 8, 255-262.**ISI**.
63. Kashif Ali et al., Face-antimagic labelings of subdivided Antiprisms, Imperial Journal of Interdisciplinary Research (IJIR), (2016), volume 2, Issue-11, 1018-1026.
64. Kashif Ali, S.T. R. Rizvi, M. Miller,J. Ryan, on cycle-magic labeling of subdivided graphs, Bulletin of Australian Mathematical Society, (2015),vol. 92, issue 1, pp.11-19,and Impact Factor is \*0.45\*.
65. Kashif Ali, I. Tomescu, I. Javaid, On path-sunflower Ramsey numbers, Mathematical Reports*(2015)*17(67), No. 4, 385-390and Impact Factor is \*0.10\*.
66. Kashif Ali, M. Hussain, M. Javaid,H. Shaker, Super edge-magic total labeling of subdivided stars, ARS Combinatoria, (2015), vol. 120, pp.161-167*,* and Impact Factor is \*0.287\*.
67. Kashif Ali, A. Sardar. S. M. Husnaini, S. T. R. Rizvi, M. Younis, Multiple travelling wave solutions for electrical transmission line model, Nonlinear dynamics, (2015), vol.3(82), 1317-1324, and Impact Factor is \*2.85\*.
68. Kashif Ali, M. Hussain, A. Razzaq, Super edge-magic total labeling of a tree, Utilitas Mathematica, (2013), 91, 355-364 and Impact Factor is \*0.31\*.
69. M. Javaid, A. A. Bhatti, M. Hussain, Kashif Ali, [Super edge-magic total labeling on forest of extended w-trees](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=P1LuolfBb4yrXricJJs&page=1&doc=1&cacheurlFromRightClick=no), Utilitas Mathematica, (2013), 91, 155-162 and Impact Factor is \*0.31\*.
70. Kashif Ali, A. Ahmad, M.Baca, A. Semanicova-Fenovcikova,Vertex-antimagiclabelings of regular graphs, Acta Mathematica  Sinica, English Series, (2012), vol 28, No. 9, 1865-1874,and Impact Factor is \*0.47\*.
71. M. Hussain,E. T. Baskoro,Kashif Ali, Super antimagic total labeling of Harary graph, ARS Combinatoria, (2012), 14, 225-233and Impact Factor is \*0.287\*.
72. M. Javaid, M. Hussain, Kashif Ali, H. Shaker, On super edge-magic labeling on subdivision of trees, Utilitas Mathematica, (2012), 89, 169-177,and Impact Factor is \*0.31\*.
73. M. Javaid, M. Hussain, Kashif Ali, K.H. Dar, Super edge-magic total labeling on w-trees, Utilitas Mathematica,(2011), 86, 183-191and Impact Factor is \*0.31\*.
74. M. Hussain,Kashif Ali, E.T. Baskoro, M. T. Rahim, On (a, d)-vertex-antimagic total labeling of Harary graphs, Utilitas Mathematica, (2010), 83,73-80and Impact Factor is \*0.31\*.
75. Kashif Ali, A. Ahmad,  E.T. Baskoro, On super edge magic total labeling of a forest of banana trees, Utilitas Mathematica, (2010), 83, 323-332and Impact Factor is \*0.31\*.
76. Kashif Ali, M. T. Rahim, I.Javaid, On antimagic total labelings of some families of graphs, ARS Combinatoria, (2010),95, 225-234and Impact Factor is \*0.287\*.
77. Kashif Ali, E. T. Baskoro, I. Tomescu, On the Ramsey number for paths and beaded wheels, Journal of Prime Research in Mathematics (2009), volume 5, 133-138, HEC approved Journal.
78. Kashif Ali, E. T. Baskoro, A. Q. Baig, On the Ramsey number for a linear forest versus a cocktail party graph, Journal of Combinatorial Mathematics and Combinatorial Computing, volume 71, 73-177, (2009).
79. Kashif Ali, E. T. Baskoro, I. Tomescu, On the Ramsey numbers for paths and generalized Jahangir graphs, Bull. Math. Soc. Sci, Math, Roumanie, Tome 51(99), No. 3, (2008), pp. 177–182and Impact Factor is \*0.50\*.
80. I. Javaid, M.T. Rahim, Kashif Ali, Families of regular graphs with constant metric dimension, Utilitas Mathematica, (2008),75, 21-34and Impact Factor is \*0.31\*.
81. Kashif Ali, M. Hussain, M. Miller, A. Ahmed, Magic labelings of type (a, b, c) of families of wheels, Mathematics in Computer Science, (2013), 7,315-319.
82. Kashif Ali, E. T. Baskoro, On Ramsey number of combination of paths and Jahangirs, Journal of Combinatorial Mathematics and Combinatorial Computing, (2008), 65, pp. 113-119.
83. Kashif Ali, Surahmat, A cycle or Jahangir Ramsey unsaturated graphs, Journal of Prime Research in Mathematics (2006), 2, 187-193, HEC approved Journal.
84. S. T. R. Rizvi, Aly R. Seadawy, S. Ahmad, M. Younis, K. Ali, Weirstrass and Jacobi Elliptic Solutions with new dromions to Maccari systems, International Journal of Modern Physics B, (2021) https://www.worldscientific.com/doi/abs/10.1142/S021797922150257X
85. M. A. Razzaq, H. Iqbal, K. Ali, S. T. R. Rizvi, Topological Indices of Line graph of G(k), ARS Combinatoria, Accepted 2019.

**Book Publication**:

Kashif Ali, On Ramsey number of path versus wheel-like graphs, LAP Lambert Academics publishing, 2009.

**Foreign Language Abilities/ skills:**

I can communicate in English in both written and oral forms. I have taken a course on professional communication in English from two professional USA Professors; Prof. Dr. Phil Backlund and Prof. Judy Backlund. In that course, we covered presentation skills, professional interviewing and English grammar.

**Workshop\Conference organized:**

* Convener
* Secretary of First and Second Workshop on Modern Aspects of Algebra and Graph Theory, March 27-18, 2015 and March 03-04, 2016.
* I have worked as a member of organizing committee in 2ndand 3rdWorld Conference on 21st Century Mathematics in 2005 and 2007 and other workshops on Discrete Mathematics at Abdus Salam School of Mathematical Sciences, GC University, Lahore, Pakistan.

**References:**

* **Prof. Dr. Ioan Tomescu,** Faculty of Mathematics and Computer Science, The University of Bucharest Str. Academiei, 14, 010014 Bucharest, Romania.[ioan@fmi.unibuc.ro](mailto:ioan@fmi.unibuc.ro)
* **Prof. Dr. Martin Baca,** Department of Applied Mathematics and Informatics, Faculty of Mechanical Engineering Technical University in Košice, Slovakia. [martin.baca@tuke.sk](mailto:martin.baca@tuke.sk)
* **Dr.** **Andrea Semaničová-Feňovčíková,** Department of Applied Mathematics and Informatics, Faculty of Mechanical Engineering Technical University in Košice, Slovakia. Andrea.fenovcikova@tuke.sk