



## د. شاهد زمان

أستاذ مساعد

العلوم الرياضية والفيزيائية - شعبة الرياضيات

كلية العلوم والآداب

جامعة نزوى، سلطنة عمان

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موقع المكتب: 11G-15

يعمل في الجامعة: منذ 2024

الحالة الاجتماعية: ..

حصل على درجة الدكتوراه في الرياضيات في عام 2020 م ، من جامعة .وسط الصين ، وعلى درجة الماجستير في الرياضيات في عام 2015 م، من كلية الحكومة الجامعية ، كما حصل على درجة بكالوريوس علوم في الرياضيات في عام 2012 من جامعة كلية الحكومة الجامعية. أما اهتماماته البحثية فتقع في تشمل اهتماماته البحثية التحليل الطيفي للرسوم البيانية، وتحليل المصفوفات للرسوم البيانية، والمشكلات المتطرفة للرسوم البيانية، والرياضيات المنفصلة، والتركيبات، والكيمياء الرياضية، ونظرية الرسوم البيانية الكيميائية، والنظرية الضبابية، ووضع العلامات على الرسوم البيانية. وقد نشر أكثر من 65 مقالة بحثية (عامل تأثير مرتفع) في العديد من المجالات الدولية المرموقة. علاوة على ذلك، فهو مراجع لمجلة ``الرياضيات التطبيقية المنفصلة``، ومجلة ``الرياضيات التطبيقية والحوسبة``، ومجلة ``IEEE Access``، ومجلة ``الجبر الخطي والمتعدد الخطوط``، ومجلة ``الرياضيات المنفصلة والخوارزميات والتطبيقات (DMAA)``، ومجلة ``الحاسبات والمواد والمستمرات``، وغيرها الكثير

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### المؤهلات الأكاديمية

Ph.D, Central China Normal University, Wuhan, China, 2020

M.Phil, GC University, Lahore, Pakistan, 2015

BS(Hons.), GC University, Lahore, Pakistan, 2012

### أنشطة التدريس

Graph theory and its applications

Spectral graph theory

Algebraic graph theory

Matrix theory  
Advance Numerical Analysis  
Graph labelling  
Advance Algebra  
Modern graph theory  
Group Theory-II  
Discrete structure  
Vector and tensor analysis  
Algebra III  
Operations Research  
Mathematical Methods  
Rings and Fields  
Integral Equations  
Group Theory-I  
Introduction to Statistics  
Ordinary Differential Equations  
Elementary graph theory  
Probability Theory  
Mathematical Spaces  
Numerical Analysis I  
Calculus III  
Complex Analysis  
Topology-I  
Functional Analysis  
Number Theory

الأنشطة البحثية  
الاهتمامات البحثية -

Spectral Analysis of graphs  
Topological Indices  
Extremal problems of graphs  
Chemical graph theory  
Graph Labeling  
Fuzzy Graph theory  
Algebraic graph theory  
Machine learning

Asad Ullah, Hameed Ali, Shahid Zaman, Summeira Meherban ``A comparative analysis of .1  
different topology description methods for 3D grains in polycrystalline microstructures``  
Conference: 1st International Conference on Mathematics and Applied SciencesAt: Mehran UET,  
Shaheed Z.A. Bhutto Campus Khairpur Mir's Sindh Pakistan . . Conference: 1st International  
Conference on Mathematics and Applied Sciences , Mehran UET, Shaheed Z.A. Bhutto Campus  
Khairpur Mir's Sindh Pakistan , 28/09/2023

Anila Hamraz, Asad Ullah, Shahid Zaman ``Topological Characterization of SiliconCarbon .2  
molecular structures with respect to neighborhood molecular descriptors and entropy measures.  
5th International Conference on Emerging Trends in Engineering, Management and Sciences  
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Salima Salman, Asad Ullah, Shahid Zaman ``Various Resistance distance indices of bipartite .3  
graphs with respect to diameter two and their sharp bounds, 5th International Conference on  
Emerging Trends in Engineering, Management and Sciences (ICETEMS-2023), Peshawar, Pakistan  
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### المنشورات -

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quantify certain latest corona treatment drug molecules based on coindices of M-polynomial``  
The Journal of Supercomputing](#)

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reverse degree-based topological indices of graphyne and graphdiyne nanoribbons with  
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[Shahid Zaman, Ahmed Raza, Asad Ullah `` Some new version of resistance distance-based 2024 .4  
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GTUC p , q.`` Journal of Mathematics](#)

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`` Fundamental aspects of the molecular topology of fuchsine acid dye with connection numbers``  
The European Physical Journal E](#)

[Shahid Zaman, Muhammad Usamah Majeed, Wakeel Ahmed, Maliha Tehseen Saleem 2024 .7  
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Measurement Interdisciplinary Research and Perspectives](#)

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molecular characterization of Chitosan derivatives by means of graph-theoretic parameters .``  
Partial Differential Equations in Applied Mathematics](#)

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- [Shahid Zaman, Mehwish Jalani, Asad Ullah and Ghulamullah Saeedi ``Structural Analysis and Topological Characterization of Sudoku Nanosheet``. Journal of Mathematics](#) 2022 .54
- [Asad Ullah, Muhammad Qasim, Shahid Zaman and Asad Khan. ``Computational and comparative aspects of two carbon nanosheets with respect to some novel topological indices.`` Ain Shams Engineering Journal](#) 2022 .55
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- [Shahid Zaman, Jawad Alam and Asma Jabeen. ``SUPER FACE MAGIC LABELING OF \(SUBDIVIDED PRISM GRAPH.`` Jordan Journal of Mathematics and Statistics \(JJMS](#) 2021 .61
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[Wang.G, Yan.L, Shahid Zaman and Zhang.M. ``The connective eccentricity index of 2020 .63 graphs and its applications to octane isomers and benzenoid hydrocarbons.`` International Journal of Quantum Chemistry](#)

#### الخبرة الإدارية

Head Department of Mathematics - University of Sialkot-Pakistan :2017 - 2016

PT member of Quality Enhancement Cell (QEC) - University of Sialkot-Pakistan :2017 - 2015

Member of discipline committee - University of Sialkot-Pakistan :2017 - 2015

Program Manager of Physical Science - University of Sialkot-Pakistan :2016 - 2015

#### الجوائز والتقدير

.HEC Approved PhD Supervisor, Ref. HEC/HRD/ASA/2022/91123 • 2022

Achieved Young CCNU Scientist Award, for the year 2020 in Central China Normal • 2019  
.University Wuhan-China

Achieved Excellent CCNU International Student Award, for the year 2019 in Central China • 2019  
.Normal University Wuhan-China

Awarded Chinese Government Scholarship, for the year 2017 • 2017

Awarded HEC Pakistan Scholarship in BS level, at GC University, Lahore Pakistan • 2012

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