Dr. GOHAR ALI

Personal Details:

Permanent Address: Village Totano Bandai
P.O. Totano Bandai, Tehsil Kabal
District Swat, NWFP
Pakistan

Present address: **Department of Maths Islamia College University, Peshawar**

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Qualifications:

- Postdoc (Image Segmentation and Image Processing) Department of Mathematics University of Liverpool UK. March 2012 to December 2012.
- PhD (Mathematics) ASSMS GC University Lahore, (2010).
- MSc. (Mathematics), University of Peshawar, (1999).
- BSc., University of Peshawar, (1996).
- F.Sc., BISE Saidu Sharif Swat, (1994).

Experience:

- Islamia College University Peshawar (April 19, 2013 continue)
- NUCES Peshawar Campus (February 11, 2010 – April 18, 2013)
- Government Degree College Mingora Swat (March 2003 – July 2005)
- Hira School and College (January 2002 – March 2003)

Distinctions

- Awarded on the Mathematics Problem of the Month, 2007, (ASSMS)
- Awarded on the Mathematics Problem of the Month, 2008, (ASSMS)

Subjects of Interest:

- Measure Theory
- Probability Theory
- Differential Equations
- Analysis
- Number Theory
- Linear Algebra
- Complex Analysis
- Topology
- Graph Theory
- Combinatorics
- Group Theory
- Rings Modules and Fields
- Algebraic Number Theory
- Computational Algebra
- Homological Algebra
- Commutative Algebra

Conference/Seminar Presentations:

1. Presented a paper entitled "Super Vertex-antimagic total labelling of Disconnected Graphs " The 4th world Conference on Mathematics, Abdus Salam School of Mathematical Sciences GC University, Lahore, 2009
2. Presented a paper entitled "The face d-anti-magic total labelings of copies of prisms " in "LUMS International Conference on Mathematics and its Application in Information technology" 2008.
3. Attended a workshop on "Communication skills and teaching methodology" by Professor Judy and Professor Phil Backlund from Central Washington university, Dec, 14-03 2009.
4. Attended "The 2nd world Conference on Mathematics, Abdus Salam School of Mathematical Sciences GC University, Lahore, 2007.
5. Attended "The 1st world Conference on 21st Century Mathematics", LUMS Lahore, 2005.
6. Attended various Mathematical Workshops at Abdus Salam School of Mathematical Sciences GC University, Lahore.

Publications:

1. Gohar Ali, M. Baca, Y. Lin and A. Semanicova Fenovcikova: Super vertex antimagic total labelings of disconnected graphs, **Discrete Mathematics** *309 (2009) 6048-6054.*
2. Ali, G. - Bača, M.- Bashir, F.- Semaničová-Feňovčíková, A.: On face antimagic labelings of disjoint union of prisms, **Utilitas Math**. 85 (2011), 97-112
3. Gohar Ali, M. Baca and Fozia Bashir: Vertex-antimagic labelling for disjoint union of paths, **AKCE** J. Graphs. Combin., 6. No. 1 (2009), pp. 11-20**.**
4. Gohar Ali, M.K. Shafiq and R. Simanjuntak: Distance-magic labelling of Cartesian Product of graphs, **AKCE** J. Graphs. Combin., 6. No. 1 (2009), pp. 191-200.
5. Gohar Ali, M. Baca, Y. Lin and A. Semanicova Fenovcikova: Vertex Antimagic Total Labelings of Disconnected graphs, *Proceedings 4th world conference on 21st Century Math. 2009, Lahore-Pakistan, 18-23.*
6. Gohar Ali, M. Baca, Fozia Bashir and A. Semanicova: On Face Antimagic Labelings of Antiprisms and Prisms, *Proceedings 4th world conference on 21st Century Math. 2009, Lahore-Pakistan, 46-52.*
7. Gohar Ali, Murtaza Ali, M.T. Rahim, M. Zeb: On 2-rainbow domination of some families of graphs, **International Journal of Mathematics and Soft** Computing *Vol.1, No.1 (2011), 47 – 53.*
8. Gohar Ali, M. Ali, M. Imran, A. Q. Baig and M.K. Shafiq: On the metric dimension of Mobius ladders, **Ars Combin.** *105 (2012), 403-410.*
9. Murtaza Ali, Gohar Ali, Usman Ali, M.T. Rahim: On cycle related graphs with constant metric dimension, **Open Journal of Discrete Mathematics (OJDM)**, No. 2 (2012), 21-23.
10. Murtaza Ali, Gohar Ali, M.T. Rahim, M. Farooq: An upper bound for the radio numbers of generalized gear graphs, **Ars Combinatoria.** *107 (2012), 161-169.*
11. Murtaza Ali, M.T. Rahim and Gohar Ali: On path related graphs with constant metric dimension, **Utilitas Mathematica**. *88 (2012), 203-209.*

12. Murtaza Ali, Gohar Ali, Sumiya Nasir and Mubashir Qayyum: On metric dimension of two different families of graphs, **International Journal of Mathematics and Computational Methods in Science and Technology.** *(To be appear)*
13. M. Ali, M. T. Rahim and G. Ali: On Three families of graphs with constant metric dimension, **JCMCC.** (*To be appear)*
14. Murtaza Ali, M.T. Rahim and Gohar Ali: On metric dimension of two constructed families from antiprism graph, **Math Sci Lett**. *No. 2 (2013), 1-7.*
15. Mutaza Ali, M.T. Rahim and Gohar Ali: On two families of graphs with constant metric dimension, **Journal of Prime Research**. *8 (2012), 96-102.*
16. Gohar Ali, Murtaza Ali, M.T. Rahim and Usman Ali: On Metric Dimension of Some Rotationally Symmetric Graphs, **ISRN Combinatorics**. *(2013), 1-5.*

Research in progress:

- Gohar Ali, "(a,3)-vertex antimagic edge labelling of genralized Petersen graph."
- Gohar Ali, On the degrees of super vertex-antimagic total graphs.
- Gohar Ali, Sultan Hussain and U. Ali , Tiling.
- Gohar Ali, On the degrees of Super (a,d)-VAT labelings of graphs.

References:

1. Professor Dr. A. D. Raza Choudary Director General Abdus Salam School of Mathematical Sciences GC University Lahore, Pakistan
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2. Professor Dr. Martin Baca Abdus Salam School of Mathematical Sciences GC University, Lahore, Pakistan & Department of Applied Mathematics Technical University, 04200 Kosice, Slovak Republic
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3. Professor Dr. Andrea **Semanicova Fenovcikova** Abdus Salam School of Mathematical Sciences GC University, Lahore, Pakistan & Department of Applied Mathematics Technical University, 04200 Kosice, Slovak Republic
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