

CURRICULUM VITAE

PERSONAL DATA

Name	Maged Zakaria Youssef Abouelyamin
Nationality	Egyptian
Position	Professor
E-Mail	mzabouelyamin@imamu.edu.sa
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EDUCATION

Year	Academic Degree	Institution
1991	☐ B. Sc.	Ain Shams University, Cairo, EGYPT
1997	☐ M. Sc.	Ain Shams University, Cairo, EGYPT
2000	☐ Ph. D.	Ain Shams University, Cairo, EGYPT

WORK EXPERIENCE

Period	Position	Address
10/1991- 07/1997	Demonstrator	Faculty of Sciences, Ain Shams University, EGYPT
07/1997- 06/2000	Lecturer	Faculty of Sciences, Ain Shams University, EGYPT
06/2000- 09/2003	Assistant Professor	Faculty of Sciences, Ain Shams University, EGYPT
09/2003- 06/2013	Assistant/Associate Professor	Teachers College, King Saud University, SAUDI ARABIA
09/2013-till now	Associate Professor/Professor	College of Science, Imam Mohammad Ibn Saud Islamic University, SAUDI ARABIA

RESEARCH INTERESTS

- Graph Theory (Including graph labelings, graph colorings, Eulerian and Hamiltonian circuits)
- Group Theory
- Number Theory

Algebraic Graph Theory

Spectral Graph Theory

PUBLICATIONS

- [1] **M. A. Seoud and M. Z. Youssef**, Labeling complete tripartite graphs, *Int. J. Math. Ed. Sci. Tech* **28**(1997) 367-371.
- [2] **M. A. Seoud and M. Z. Youssef**, Families of harmonious and non-harmonious graphs, *J. Egypt. Math. Soc.* **7** (1999) 117-125.
- [3] **M. A. Seoud and M. Z. Youssef**, On prime labeling of graphs, *Congressus Numerantium* **141**(1999) 203-215.
- [4] **M. A. Seoud and M. Z. Youssef**, New families of graceful disconnected graphs, *Ars Combinatoria* **57** (2000) 233-245.
- [5] **M. A. Seoud and M. Z. Youssef**, The effect of some operations on labelings of graphs, *Proc. Math. Phys. Soc. Egypt* **75** (2000) 35-49.
- [6] **M. A. Seoud and M. Z. Youssef**, On harmonious graphs of order 6, *Ars Combinatoria* **65** (2002) 155-176.
- [7] **M. Z. Youssef**, New families of graceful graphs, *Ars Combinatoria* **67** (2003) 303-311
- [8] **M. Z. Youssef**, Two general results on harmonious labelings, *Ars Combinatoria* **68** (2003) 225-230
- [9] **M. Z. Youssef**, A necessary condition on k-equitable labelings, *Utilitas Mathematica* **64** (2003) 193-195
- [10] **M. A. Seoud and M. Z. Youssef**, Total chromatic numbers of Cartesian product of graphs, *Proc. Math. Phys. Soc. Egypt* **80** (2004) 173-177.
- [11] **M. Z. Youssef**, Pseudogracious labeling of cycles, *Ars Combinatoria* **76** (2005) 241-247.

- [12] **M. Z. Youssef**, On Skolem-graceful and cordial graphs, *Ars Combinatoria* **78** (2006) 167-177.
- [13] **M. Baca, Y. Lin, M. Miller and M. Z. Youssef**, Edge-antimagic graphs, *Discrete Mathematics* **307** (2007) 1232-1244.
- [14] **M. Z. Youssef** and **E. Elsakhawy**, Some properties of prime graphs, *Ars Combinatoria*. **84** (2007) 129-140
- [15] **M. Baca and M. Z. Youssef**, Further results of antimagic graph labelings, *Austral. J. Combinatorics* **38** (2007) 163-172.
- [16] **M. Z. Youssef**, On k-cordial labelling, *Austral. J. Combinatorics* **43** (2009)31-37.
- [17] **M. Z. Youssef** and **E. Elsakhawy**, Graph labelings and cordiality, *Ars Combinatoria* **97** (2010) 161-174.
- [18] **M. Z. Youssef** and **N. A. Al-Kuleab**, 4-cordiality of some regular graphs and the complete 4-partite graph, *J. Combin. Math. Combin. Comput.* **76** (2011) 121-136.
- [19] **M. Z. Youssef**, On E-k cordial labeling, *Ars Combinatoria* **104** (2012) 271-279.
- [20] **M. Z. Youssef**, On k-equitable and k-balanced labelings, *Ars Combinatoria* **108** (2013) 51-64.
- [21] **M. Z. Youssef** and **N. A. Al-Kuleab**, 3-equitable labelings of ladders and graphs related to cycles, *Utilitas Math.* **92** (2013) 261-274.
- [22] **M. Baca and M. Z. Youssef**, On harmonious labelings of corona graphs, *Journal of applied Mathematics*, Volume 2014, Article ID 627248, 4 pages
<http://dx.doi.org/10.1155/2014/627248>
- [23] **A. A. George Michael and M. Z. Youssef**, On prime labeled self-complementary graphs, *Journal of Discrete Mathematical Sciences & Cryptography*, **17** (2014) 239-256.
- [24] **M. Z. Youssef**, On a -labeling of disconnected graphs, *Ars Combinatoria*, **123** (2015) 329-338.
- [25] **M. Z. Youssef** and **N. A. Al-Kuleab**, Some new results on k-cordial labeling, *Ars Combinatoria*, **126** (2016) 311-322.
- [26] **M. Z. Youssef**, Note on even harmonious labeling of cycles, *Utilitas Mathematica*, **100** (2016) 137-142.
- [27] **M. Z. Youssef**, On even harmonious labelings, *Utilitas Mathematica*, **110** (2019), 243-253.
- [28] **Jeyanthi, S. Philo and Maged Z. Youssef**, Odd harmonious labeling of grid graphs, *Proyecciones Journal of Mathematics*, Vol. 3, No. 3 (2019) 411-428. Doi:10.22199/issn.0717-6279-2019-03-0027.
- [29] **M. Z. Youssef and Zainab S. Almoreed**. On odd prime labeling of graphs, *Open Journal of Discrete Applied Mathematics* Vol. 3 (2020), Issue 3, pp. 33 – 40,
<https://doi.org/10.30538/psrp-odam2020.0041>

[30] **Youssef, M. Z. and Omar, N.** (2021). New Results on k -prime Labeling. *International Journal of Mathematics and Computer Research*, 9(7), 2324-2338.
<https://doi.org/10.47191/10.47191/ijmcr/v9i7.01>

<http://ijmcr.in/index.php/ijmcr/article/view/331>.

[31] **Jeya Daisy, K., Santrin Sabibha, R., Jeyanthi, P., and Youssef, M. Z.,** k -Product cordial labeling of Napier bridge graphs, *Nepal Journal of Mathematical Sciences (NJMS)* 3(2) (2022) 59-70. 30/08/2022.

DOI: 10.3126/njmathsci.v3i2.49201

[32] **K. Jeya Daisy, R. Santrin Sabibha, P. Jeyanthi and M. Z. Youssef,** k -Product Cordial Behaviour of Union of Graphs, *J. Indones. Math. Soc.* Vol. 28, No. 01 (2022), pp. 1-7.
<https://doi.org/10.22342/jims.28.1.1025.1-7>

[33] **Christian Barrientos and M. Z. Youssef,** Optimal Maximal Graphs, *Transactions on Combinatorics* 11 (2) (2022) 85-97.

[34] **K. Jeya Daisy, R. Santrin Sabibha, P. Jeyanthi and M. Z. Youssef,** k -Product Cordial Labeling of Cone Graphs. *International J. Math. Combin.* Vol.2(2022), 72-80

[35] **Maged Z. Youssef, M. M. Khader, Ibrahim Al-Dayel, W. E. Ahmed,** "Solving Fractional Generalized Fisher–Kolmogorov–Petrovsky–Piskunov’s Equation Using Compact-Finite Different Methods Together with Spectral Collocation Algorithms", *Journal of Mathematics*, vol. 2022, Article

ID 1901131, 9 pages, 2022. <https://doi.org/10.1155/2022/1901131>

[36] **K. Jeya Daisy, R. Santrin Sabibha, P. Jeyanthi and M. Z. Youssef,** k -Product Cordial Labeling of Powers of Paths. *Jordan Journal of Mathematics and Statistics*, 15 (4A) (2022), 911 - 924

[37] **K. Jeya Daisy, R. Santrin Sabibha, P. Jeyanthi and M. Z. Youssef,** k -Product Cordial Labeling of Cartesian Product of Graphs *Discrete Mathematics, Algorithms and Applications*, (2022) [10.1142/S1793830922501877](https://doi.org/10.1142/S1793830922501877)

[38] **Christian Barrientos and M. Z. Youssef,** Relaxing the Injectivity Constraint on Arithmetic and Harmonious Labelings, submitted to *Electronic Journal of Graph Theory and applications* 10 (2) (2022), 523–539.

<https://dx.doi.org/10.5614/ejgta.2022.10.2.13>

[39] **K. Jeya Daisy, R. Santrin Sabibha, P. Jeyanthi and M. Z. Youssef,** k -Product Cordial Labeling of Fan Graphs, *TWMS Journal of Applied and Engineering Mathematics*, TWMS J. App. and Eng. Math. V.13, N.1, 2023, pp. 11-20

