

Curriculum Vitae



Name: Dr. Nabeel Ezzulddin Arif

Date of Birth: 01-07-1968

Address: Department of Mathematics, College of Computer Sciences and Mathematics, Tikrit University, Tikrit, Iraq.

Position: Associate Professor

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Academic Qualification:

PhD (Mathematics (Graph theory)), Universiti Sains Malaysia (USM), Malaysia, 2013.

MSc (Mathematics), University of Baghdad, Iraq, 2002.

B.Sc (Mathematics), Al-Mustansiriyah University, Iraq, 1991.

Research Interest:

Graph theory, Differential equations, Algebraic geometry, Chemical graph theory, Numerical analysis, Abstract algebra, Linear algebra, Fuzzy set theory, and Computer aided geometric design.

Current Teaching and Administrative Responsibilities:

1 - More than 14 years teaching experience (Undergraduate), including: Graph theory, Calculus(I,II), Abstract algebra, Linear algebra, Numerical analysis, Differential equations, Partial differential equations, Topology, and Algebraic geometry

2 - Three years teaching experience (Postgraduate) in graph theory courses.

Academic Honors and Awards:

Twenty five letters of appreciation, Tikrit University, 2003, 2004, 2005, 2007, 2008, 2014, 2015, 2016, 2017 and 2018.

Supervision:

Co-supervisor of Ph.d Student at UMT – Malaysia (2014)

Co-supervisor for one MSc Student at UMT – Malaysia (2015)

Supervisor for three MSc Students at Tikrit University (2016, 2017, 2018)

Main supervisor for 25 undergraduate students of period (2003-2018)

Training:

Computer course, 2008, Tikrit university, Tikrit, Iraq.

Education methods, 2008, Tikrit university, Tikrit, Iraq.

Latex program, 2012, USM, Penang, Malaysia.

Research methods, 2012, USM, Penang, Malaysia.

English language course, 2013, British counsel, Penang, Malaysia.

Evaluations:

Evaluation of two Phd thesis in field graph theory

Member in two master viva in field graph theory and chemical graph.

Publications:

- [1] N.E.Arif and A.M. Salih, The Forgotten index of Certain Edge-Gluing Graphs, *Tikrit Journal of Pure Science*, 23 (9) 2018.
- [2] T.H. Jasim, N. E. Arif, and N. Basheer, A New Types of Some application of Topological Spaces, *Al-Kitab Journal of Science*, 2017. Accepted.
- [3] N.M. Husin, R. Hasniand N.E. Arif,, Computation on Zagreb Polynomial of Some Families of Dendrimers, *Int. J. Nanosci. Nanotechnol*, Vol. 12, No. 4, Dec. 2016, pp. 243-249.
- [4] N.M. Husin, R. Hasni, N.E. Arif & M. Imran, On topological indices of Certain families of nanostar dendrimers, *J. molecules*, 6(2016), 1-10.
- [5] N.M. Husin, R. Hasni & N.E. Arif, Atom-bond connectivity and geometric arithmetic indices of certain dendrimer nanostars, *J.Comp Theor. Nanosci.*,12(2015), 1-4.
- [6] N.M. Husin, R. Hasni & N.E. Arif, Zagreb polynomials of some nanostar dendrimers, *J. Comp Theor. Nanosci.*,12 (2015) 4297-4300.
- [7] Nabeel E. Arif, Zagreb Polynomials of Certain Families of Dendrimer Nanostars, *Tikrit Journal of Pure Sciences*, 20 (4) 2015.
- [8] R. Hasni, N. E. Arif and S. Alikhani, Eccentric connectivity polynomials of some families of dendrimers, *J. Comput. Theor. Nanosci.*, **11** (2014), 450-453.
- [9] S. Alikhani, R. Hasni & N.E. Arif, On the atom-bond connectivity index of some families of dendrimers, *J.Comp Theor. Nanosci.*, **11**(2014), 1802-1805.
- [10] N.M. Husin, R. Hasni & N.E. Arif, Atom-Bond Connectivity and Geometric Arithmetic Indices of POPAM and Siloxane Dendrimers, *J Comp Theor. Nanosci.*, 12 (2015) 3299-3302.
- [11] N. E. Arif, R. Hasni and S. Alikhani, Second order and third order connectivity indices of a polyphenylene dendrimers, *Digest J. Nanomater. Biostruct*, **8(2)**(2013), 899-903.
- [12] N. E. Arif and R. Hasni, The connectivity index of PAMAM dendrimers, *Studia Univ. Babes-Bolyai Seria Chemia*, LVIII(**3**) (2013), 85-92.
- [13] N.M. Husin, R. Hasni & N.E. Arif, Atom-bond connectivity and geometric arithmetic indices of dendrimer nanostars, *Australian J. Basic*

Applied Sciences 7(9) (2013), 10 – 14.

- [14] R. Hasni and N. E. Arif, Fourth order and fourth sum connectivity indices of an infinite family of dendrimers, *J. Comput. Theor. Nanosci.*, **10** (2013), 1110-1114.
- [15] R. Hasni and N. E. Arif, On connectivity indices of an infinite family of POPAM dendrimers, *J. Comput. Theor. Nanosci.*, **10** (2013), 2559-2562.
- [16] N. E. Arif, R. Hasni and A. Kalaf, Chromatic polynomials of POPAM and siloxane dendrimers, *J. Comput. Theor. Nanosci.*, **10** (2013), 285-287.
- [17] N. E. Arif and R. Hasni, Second order and second sum connectivity indices of tetrathiafulvalene dendrimers, *Studia Univ. Babeş-Bolyai Seria Chimia*, **LVII(4)** (2012), 7-12.
- [18] N. E. Arif and R. Hasni, Third order and third sum connectivity indices of a tetrathiafulvalene dendrimers, *Australian J. Basic Applied Sciences*, **6(6)**(2012), 119- 124.
- [19] N. E. Arif, R. Hasni and S. Alikhani, Fourth order and fourth sum connectivity indices of polyphenylene dendrimers, *J. Applied Sciences*, **12(21)** (2012), 2279-2282.
- [20] R. Hasni and N. E. Arif, Fourth order and fourth sum connectivity indices of tetrathiafulvalene dendrimers, *Iranian J. Mathematical Chemistry*, **3(2)** (2012), 155- 163.
- [21] N. E. Arif, R. Hasni and S. Alikhani, Chromatic polynomials of certain polyphenylene dendrimers, *J. Comput. Theor. Nanosci.*, **9** (2012), 560-563.
- [22] N. E. Arif, R. Hasni and S. Alikhani, Chromatic polynomials of certain families of dendrimer nanostars, *Digest J. Nanomater. Biostruct.*, **6(4)** (2011), 1551-1556.
- [23] N. E. Arif, On fuzzy supratopological group, *J. of university of anbar for pure science*, **4(3)** 2010, 88-91.
- [24] N. E. Arif, On some intuitionistic fuzzy separation axioms of intuitionistic fuzzy supratopological spaces, *Tikrit J. of Pure Science*, **15(3)** 2010, 114-118.

- [25] T. H. Jassim, R. B. Yasseen and N. E. Arif, On some separation axioms of supratopological spaces, *Tikrit J. of Pure Science*, **13(2)** 2008, 59-62.

Conferences:

- [1] N.E. Arif, Keynote speaker, Topological Indices of Certain Graphs with Application, 4th international conference on pure and applied mathematics, University of Sarghoda, Pakistan, 21-22 Dec, 2018.
- [2] N. A. Arif , participant in CIMPA workshops in Mathematics, Department /College of Science / Sulaimani University /Sulaimani ,Iraq, 7 – 9 Feb.2019.
- [3] N. E. Arif and A. S. Maher, Eccentricity connectivity index of certain edge – gluing graphs, 10 International Colloquium on Graph theory and Combinatorics, Lyon, France, July 9 -13, 2018, accepted.
- [4] T. M. Jaseem, N. A. Arif, and Noor B. Taha, Some graph applications of Topological spaces, first international scientific conference, Al-kitab university college, Baghdad, Iraq, 13 – 14/12/2017.
- [5] N. A. Arif , participant in CIMPA workshops in Mathematics, Department /College of Science / Salahaddin University /Erbil,Iraq, 12 – 22 March 2017.
- [6] N. E. Arif, Speaker in Symposium of mathematics an computers, College of Computer sciences and mathematics, Tikrit university, Tikrit, Iraq, January 2016
- [7] N. E. Arif and R. Hasni, Eccentric connectivity polynomials of some families of dendrimers, *International Conference on Mathematical Sciences and Statistics 2013*, Sunway Putra Hotel, Kuala Lumpur, 5-7 Feb 2013 , 193.
- [8] N. E. Arif and R. Hasni, Chromatic polynomials of tetrathiafulvalene dendrimers, *Proceeding of The 2nd Regional Conference on Applied and Engineering Mathematics*, Eastern and Oriental Hotel, Penang, 30-31 May 2012, 154-156.

- [9] R. Hasni and N. E. Arif, Fourth order connectivity index of polyphenylene dendrimers, *AIP Conference Proceedings of 20th National Symposium on Mathematical Research*, Putrajaya, Malaysia, 18-20 Dec 2012, Vol. 1522 (2013), 483-486.
- [10] R. Hasni and N. E. Arif, Chromatic polynomials of certain polyphenylene dendrimers, *Prosiding Simposium Kebangsaan Sains Matematik ke-19*, Permatang Pauh, UiTM P. Pinang, 9-11 Nov 2011, 47-52.
- [11] N. E. Arif, R. Hasni and Jamaludin M. A., Atom-Bond connectivity index of some families of dendrimers, *Simposium Kebangsaan Sains Matematik ke-21 (SKSM)*, USM, Gurney Hotel, Pulau Pinang, Malaysia, 2013.
- [12] N. A. Arif, participant in CIMPA workshops in Mathematics, Department /College of Science / Salahaddin University /Erbil, 2 – 9 Dec 2014.