Curriculum Vitae for Dr. M.M.M. Jaradat

1. Personal Information

- Name: Mohammed Mahmoud Mohammed Jaradat.
- Sex: Male.
- Date of birth: January 18, 1971.
- Nationality: Jordanian.

2. Current Professional Position

- Professor, Yarmouk University, Irbid-Jordan.
- Associate Professor, Qatar University, Doha-Qatar.

3. Contact Information

- Address: Department of Mathematics, Statistics and Physics, Qatar University, Doha-Qatar.
- Telephone: +(974)–4403-4603 **(Office).**
- E-mail: (1) mmjst4@qu.edu.qa **(Main)**,
  (2) mmjst4@yahoo.com.
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- Office: C210, Men's Building.

4. Academic Qualifications

- Ph. D., 2001, Department of Mathematics, University of Pittsburgh, U.S.A.

  (i) Degree Specialization: Graph Theory.

  (ii) Title of the Ph. D. Thesis: On the Edge-Chromatic Numbers, the Basis Numbers and the Hamiltonian Decomposition of the Graph Products.

  (iii) Thesis advisor: C. Y. Chao.

- M. A., 1998, Department of Mathematics, University of Pittsburgh, U.S.A.

- M. Sc., 1995, Department of Mathematics, Yarmouk University, Jordan.

- (i) <u>Degree Specialization:</u> Graph Theory.

- (ii) <u>Title of the M.Sc.. Thesis:</u> The Basis Number of Graphs.

- <u>Thesis advisor:</u> Ahmad Al-Rhayyel.

- B.Sc., 1993, Department of Mathematics, Yarmouk University, Jordan.

5. <u>Languages:</u>

Arabic (Native) and English.

6. <u>Employment:</u>

- June 11, 2013-now, Professor, Department of Mathematics, Yarmouk University, Irbid-Jordan.

- August 26, 2012-September 1, 2013, Department head, Department of Mathematics, Statistics and Physics, Qatar University, Doha-Qatar.

- September 1, 2010-September 10, 2011, Department head, Department of Mathematics, Yarmouk University, Irbid-Jordan (In leave from Qatar University).

- September 10, 2006-Now, Associate Professor, Department of Mathematics, Statistics and Physics, Qatar University, Doha-Qatar.

- February 27, 2006-June 9, 2013, Associate Professor, Department of Mathematics, Yarmouk University, Irbid-Jordan.

- September 17, 2001-February 26, 2006, Assistant Professor, Department of Mathematics, Yarmouk University, Irbid-Jordan.

- January 1999-May 2001, Teaching Assistant, Department of Mathematics, University of Pittsburgh, Pittsburgh-U.S.A.

- August 1995-May 1997, Full-Time Lecturer, Department of Mathematics, Hashemite University, Zarqa-Jordan.

- January 1995-June. 1995, Part-Time Instructor, College of Education, Yarmouk University, Irbid- Jordan.

7. <u>Research Interests:</u>

- Graph Theory: Graphs products; Cycle structure of graphs; Basis numbers and minimum cycle bases of graphs; Ramsey number; Extremal Graphs; Edge chromatic number; Hamiltonian decomposition of graphs.

8. <u>Teaching Experience:</u>

<u>(1) Courses taught at Yarmouk University:</u>

1. <u>Courses Taught at Graduate Level</u>:

1- Applied graph theory

2. Topics in applied mathematics

<u>Courses Taught at Undergraduate Level:</u>

1. Calculus I
2. Calculus II
3. Calculus III
4. Discrete Mathematics (for Computer Science students)
5. Ordinary Differential Equations
6. Linear Algebra I
7. Set Theory.
8. Linear Programming and Game Theory
9. Numerical Analysis I
10. Numerical Analysis II
11. Functional Analysis

12. Graph Theory

13. Combinatorics

14. Digital Logical Design (From Department of Computer Science)

(2) Courses taught at Qatar University:

1. General applied mathematics

2. Numbers and basic algebra

3. Calculus I

4. Calculus II

5. Calculus III

6. Calculus for Engineering.

7. Business Mathematics I

8. Calculus for computer science

9. Discrete mathematics

10. Theory of numbers

11. Graph theory with applications

9. Committee Service:

(1) Committees at Yarmouk University:

- Graduate study committee (Department Level).

- Scholarships and appointments committee (Department Level).

- Curriculum planning committee (Department Level).

- Social committee (Department Level).

- Member of the college of science council (College Level).

- Budget committee (College Level).

(2) Committees at Qatar University:

- Social committee, 2006-2008 (Department Level).

- Books committee, 2006-2008 (Department Level).

- Students Advising committee, 2006-2007 (Department Level)

- Courses equivalence committee, 2007-2008 (Department Level).

- Seminars committee (coordinator), 2008-2010 and 2011-2012 (Department Level).

- Accuplacer Math Committee, 2011-2012 (Department Level).

- Schedule committee (coordinator), 2012-2013 (Department Level).

- Strategic Plan committee 2012-2013, and 2013-2014 (Department Level).

- Budget committee 2012-2013 and 2013-014 (Department Level).

- Peer review committee 2012-2013 (Department Level)

- A member of several promotion committees from the rank of Assistance Professor to the rank of Associate Professor (Department Level).

- Member of several ad hoc committees (Department Level).

- Academic advising for foundation program, 2007-2008 (College Level).

- Curriculum and accreditation committee, 2009-2010 (College Level).

- Curriculum committee, 2011-2012 (College Level).

- Academic committee, 2012-2013 (College Level).

- Math 101 review committee 2014- now (College level).

- Math 103 review committee 2014- now (College level).

- Restructuring Foundation Courses Committee, 2011-2012 (University level).

Committee outside QU:

- Audit Committee of Secondary School Certificate tests (4/2012).

- Expert In mathematical Sciences for the Primary Court in one of Mathematical issues (2014-2015).

Scientific Committees:

- Member of the scientific committee for the International Conference of Mathematical Sciences, 04-10 August, 2008 Istanbul, Turkey.

- Session chair in the INTERNATIONAL CONFERENCE ON RECENT ADVANCESC IN PURE AND APPLIED MATHEMATICS, November 6-9, 2014, Antalya, Turkey

10. <u>Membership in Professional Organizations:</u>

- American Mathematical Society, (1997-2002, 2011-now)

- Jordanian Mathematical Society, (2001-2004)

- The Institute of Combinatorics and its Applications, (Dec. 2004-present)

11. <u>Academic Honors and Awards:</u>

- An honor certificate from Yarmouk university for being the first rank in the academic year 1989-1990.

- An honor certificate from Yarmouk University for being the first rank in the academic year 1991-1992.

- A Royal Prize and certificate for being the first rank in B.Sc. in the whole year of my graduation (1992-1993).

- A medal and certificate for being the first rank in M.Sc. in the whole year of my graduation (1994-1995).

- A scholarship from (DAAD) to get a Ph. D. degree in mathematics (Computer Aided Geometric Design) from Technische Hochschule Darmstadt, Germany (1997). (I declined the offer).

- A scholarship from Yarmouk University to get a Ph. D. degree in mathematics from the University of Pittsburgh (1997-2001).

- A letter from the chairman of the graduate committee in the department of mathematics at the University of Pittsburgh for getting 196 points out of 200 points in the Ph.D. preliminary examination, (the highest score), knowing that the second score in that exam was 157 and the passing grade was 150.

- My Ph. D. dissertation advisor considered my work to be one of the best in the last five or six years in the Department of Mathematics at the University of Pittsburgh (2001).

- A letter from the faculty development center at Yarmouk University for choosing my curriculum syllabus to be the best in the competition of the high quality syllabi for the year 2005-2006.

12. Conferences:

- The Fifth Jordanian International Congress of Mathematics (FJICM), On the Anderson and Lipman conjecture and some related problems, Yarmouk University, Jordan, September 3–5, 2002.

- 2nd International conference on mathematical sciences (ICoMS 2007), On the basis numbers and minimum cycle bases of the wreath product of graphs III, Johor, Malaysia, May 27–28, 2007.

- Fourth Pacific Rim Conference on Mathematics, On the basis numbers and minimum cycle bases of the wreath product of wheels and Stars, City University of Hong Kong, Hong Kong, December 7–11, 2007.

- Fifth International Conference of Applied Mathematics and Computing, On the required cycle bases and the basis number of the wreath product of ladders, Plovdiv, Bulgaria, August 12–18, 2008.

- The Second International Conference on Mathematics and Natural Sciences (ICMNS), On the minimum cycle bases and the basis number of the wreath product of some graphs, Institut Teknologi, Bandung, Indonesia, October 28–30, 2008.

- Fifth Asian Mathematical Conference (AMC 2009), On the Basis Number and the Minimum Cycle Bases of the Wreath Product of Wheels and Paths, Kuala Lumpur, Malaysia, June 22–26, 2009.

- International Conference on Computational Mathematics (ICCM 2010), The minimum cycle bases of the wreath product of wheels with stars, Tokyo, Japan, May 26–28, 2010.

- Annual International Conference on Computational Mathematics, Computational Geometry& Statistics (CMCGS 2012), Edge-maximal graphs without theta graphs of order seven: Part II , January 30-31, 2012, Singapore.

- International Conference on Mathematical Sciences and Statistics 2013 (ICMSS2013), The basis number of the Strong product of cycles with theta graphs, February 5 - 7, 2013, Kuala Lumpur, Malaysia.

- International Conference on Mathematics and Statistical Engineering (ICMSE 2013), On the basis number and minimum cycle bases of the wreath product of paths with wheels., November 25-26, 2013, Thailand.

- International Conference & Workshop on Mathematical Analysis (IC-WOMA 2014), On the basis number of the lexicographic product of graphs and some related problems, May 27-30, 2014, Selangor, Malaysia.

- International conference on recent advances in pure and applied mathematics (ICRAPAM 2014), On the basis number of the wreath product of paths with wheels and some related problems., November 6-9, 2014, Antalya, Turkey.

- Fall Western Sectional Meeting #1114, On the basis number of the Wreath product of graphs and some related problem, October 24-25, 2015 at California State University, Fullerton, California, USA.

13. Workshops:

- A Workshop on the mathematics of computing, UNESCO, January 3-24, 1996, participant, Yarmouk University, Irbid-Jordan.

- A Workshop on Microsoft word, Powerpoint, Excel, Webpage design etc., May 5, 2005, Participant, The faculty development center, Yarmouk University, Irbid-Jordan.

- A Workshop on preparing a course portfolio, January 29-31, 2007, Participant, Qatar University.

- A Workshop on acting learning, February 4-6, 2007, Participant, Qatar University.

- A Workshop on Using the Blackboard System for Delivering University Courses, April 8-12, 2007, Participant, Qatar University.

- Workshop on WeBWork for Mathematics and Statistics Courses, June 5, 2008, Participant, Qatar University.

- Mathematica Workshop, Participant, Wolfram Education Group, November 5, 2008, Mathematics, Statistics & Physics Department, Qatar University.

- A workshop on Integrating Mathematica in Teaching and Research, October 7, 2009, Mathematics, Statistics & Physics Department, Qatar University.

- Autograph Workshop, March 9, 2009, Participant, Mathematics, Statistics & Physics Department, Qatar University.

- Workshop on academic Promotion, January 2, 2012, Participant, Qatar University.

- Workshop on BlackBoard 9.1, September 5, 2013, Participant, Qatar University.

- Workshop on Creating online exams within BlackBoard 8.1, March 11, 2015, Participant, Qatar University.

- Workshop on using Microsoftword, November 29, 2015, Participant, Qatar University.

- Workshop on Standards and assessments, November 29, 2015, Participant, Qatar University.

14. <u>Refereeing and Reviewing:</u>

- Referee for peer reviewed publications in international journals including for: Graphs and Combinatorics, Discrete Mathematics, European Journal of Combinatorics, A Canadian Journal of combinatorics: Ars Combinatoria, Ars Mathemaica Contemporanea, Sultan Qaboos University Journal for Science, Jordan Journal of Mathematics and Statistics.

- A reviewer for Mathematical Reviews (since January 19, 2006). Reviewed over 21 papers over the past five years.

- A reviewer for Zentralblatt MATH (since May, 2010).

- Editor for the following Journals:

  1- The Arab Journal of Mathematics and mathematical sciences: http://www.ripublicatic

  2- International Journal of applied operational research: http://ijorlu.liau.ac.ir/

  3- Current Advances in Mathematics Research(CAMR): http://www.vkingpub.com/Journ

  4- International Journal of Applied & Experimental Mathematics: http://www.graphyon

15. <u>Research Guidance:</u>

- Five candidates have been awarded M.Sc. degrees at Yarmouk university under my supervision with the following titles:

(1) On the basis number of the Kronecker product of graphs, July 2005.

(2) On the required cycle bases and the minimum cycle bases of the wreath product of graphs, July 2006.

(3) On Ramsey number for cycle-complete graph, August 2006.

(4) On the basis number of the strong product of graphs, December 2006.

(5) On the cycle-complete graphs Ramsey numbers, February 2011.

- Member of several defense exam committees for Master theses in Mathematics at Yarmouk University and Jordan University of Science and Technology in Jordan.
- External Examiner for Ph.D. thesis in mathematics, Minoufiya University, Egypt.

16. Seminars:

- On the edge coloring of graph products, April 16, 2007, Department of Mathematics, Statistics and Physics, Qatar University.

- On the basis numbers and minimum cycle bases of the wreath product of graphs III, June 10, 2008, Department scientific day, Department of Mathematics, Statistics and Physics, Qatar University.

- On the basis number and the minimum cycle bases of the wreath products of wheels with stars, June 16, 2009, Department scientific day, Department of Mathematics, Statistics and Physics, Qatar University.

17. List of Published and Accepted Papers:

Total research papers are **55** in the field of Graph Theory.

I. Peer Reviewed Journal Publications.

- **M.M.M. Jaradat,** M.S.A. Bataineh and N. Al Hazeem, *The theta-complete graph Ramsey number $R(\theta_n, K_5) = 4n - 3$ for $n = 6$ and $n \geq 10$. Ars Combinatoria:* A Canadian Journal of Combinatorics (Accepted).

- **M.M.M. Jaradat,** M.S. Bataineh and M.K. Al-Qeyyam, *On the basis number of the wreath product of wheels with paths and some related problems. Ars Combinatoria:* A Canadian Journal of Combinatorics (Accepted).

- **M.M.M. Jaradat,** *On the basis number of the wreath product of ladders.* Ars Combinatoria: A Canadian Journal of Combinatorics (Accepted).

- M.S. Batainehm, **M.M.M. Jaradat** and E. Al-Shboul**,** *Edge-maximal graphs without θ_5-graphs.* Ars Combinatoria: A Canadian Journal of Combinatorics (Accepted).

- M.S.A. Bataineh, **M.M.M. Jaradat** and A.M.M. Jaradat, Edge Maximal graphs containing no specific wheels, Jordan Journal of Mathematics and Statistics, 8, (2015) 107-120.

- M.S.A. Bataineh, **M.M.M. Jaradat** and M.S. Bateeha, The Ramsey number for theta graph versus a clique of order three and four. Discussiones Mathematicae Graph Theory, 34 (2014) 223–232.

- **M.M.M. Jaradat,** M.S. Batainehm and E. Al-Shboul**,** *Edge-maximal graphs without θ_{2k+1}-graphs.* AKCE International Journal of Graphs and Combinatorics, 11, No. 1 (2014), pp. 57-65.

- **M.M.M. Jaradat,** M.S. Batainehm**,** *Edge-maximal graphs θ_{2k+1}-edge disjoint free graphs*, Kyungpook Math. J. 54 (2014), 23-30.

- M.S.A. Batainehm and **M.M.M. Jaradat,** Edge maximal C_{2k+1}-edge disjoint free graphs. Discussiones Mathematicae Graph Theory, 32 (2012) 269–276.

- A. Alrhayyel, A.M.M. Jaradat, **M.M.M. Jaradat** and M.S.A. Bataineh, Edge maximal graph without W_k graphs, $k = 5, 6$. Journal of combinatorics and number theory, 3(2011), 143–150.

- M.S.A. Batainehm and **M.M.M. Jaradat,** Edge maximal graphs C_3 and C_5-edge disjoint free graphs, International J.Math. Combin. Vol.1 (2011), 82-87.

- **M.M.M. Jaradat**, M.S.A. Bataineh and S. Radaideh, Ramsey numbers for theta graphs, International Journal of Combinatorics, vol. 2011, Article ID 649687, 9 pages, 2011. doi:10.1155/2011/649687.

- M.S.A. Bataineh, **M.M.M. Jaradat** and L. Alzaleq, *The cycle-complete graph Ramsey number $r(C_8, K_9)$,* ISRN Algebra, vol. 2011, Article ID 926191, 10 pages, 2011. doi:10.5402/2011/926191.

- M.S.A. Bataineh, **M.M.M. Jaradat** and E. Al-Shboul**,** Edge-maximal graphs without θ_7-graphs. SUT Journal of Mathematics, 47 (2011), 91-103.

- M.S.A. Bataineh, **M.M.M. Jaradat** and M.K. Al-Qeyyam, *On the basis number of the wreath product of wheels with stars.* International J.Math. Combin. Vol.4 (2010), 70-78.

- A.M.M. Baniabedalruhman and **M.M.M. Jaradat**, *The cycle-complete graph Ramsey number $r(C_7, K_7)$.* Journal of Combinatorics, Information & System Sciences. 35 (2010) 293-305.

- **M.M.M. Jaradat**, *Fundamental group and cycle space of dual graphs and applications.* Applied Mathematics and Computation, 217 (2010), 580-582.

- **M.M.M. Jaradat**, *A new upper bound of the basis number of the lexicographic product of graphs.* Ars Combinatoria: A Canadian Journal of Combinatorics. 97 (2010), 423-442.

- M.K.Al-Qeyyam and **M.M.M. Jaradat**, *On the basis number and the minimum cycle bases of the wreath product of some graphs II.* J. Combin. Math. Combin. Comput. 72 (2010), 65-92

- **M.M.M. Jaradat** and B.M.N. Alzaleq, Cycle-Complete Graph Ramsey numbers $r(C_4, K_9), r(C_5, K_8) \leq 33$. International J.Math. Combin. Vol.1 (2009), 42-45

- [1]Z. Bradshaw and **M.M.M. Jaradat**, *Minimum cycle bases for direct products of K_2 with complete graphs.* Australasian Journal of Combinatorics 43 (2009), 127-132.

- **M.M.M. Jaradat** and B.M.N. Alzaliq, *The cycle-complete graph Ramsey number $r(C_6, K_8) \leq 38$.* SUT Journal of Mathematics 44, No. 2 (2008), 241-247.

- **M.M.M. Jaradat,** M.F.Janem and A.J.Alawneh, *On the basis number of the strong product of theta graphs with cycles.* International J.Math. Combin. Vol. 3 (2008), 40-50.

- [2]**M.M.M. Jaradat**, *Minimal cycle bases of the lexicographic product of graphs.* Discussiones Mathematicae Graph Theory 28(2) (2008) 229-247.

- **M.M.M. Jaradat** and K.M.A. Al-Shorman, *On the basis number of the direct product of theta graphs with cycles.* International J. Math. Combin. Vol. 2 (2008), 87-103.

- **M.M.M. Jaradat** and M.K.Al-Qeyyam, *On the basis number and the minimum cycle bases of the wreath product of wheels.* International J. Math. Combin. Vol. 1 (2008), 52-62.

- [3]**M.M.M. Jaradat** and A.M.M. Baniabedalruhman, *The cycle-complete graph Ramsey number $r(C_8, K_7)$.* International Journal of Pure and Applied Mathematics, 41 (2007), 667–677.

- **M.M.M. Jaradat,** *The basis number of the strong product of paths and cycles with bipartite graphs,* Missouri Journal of Mathematical Sciences 19 (2007) no. 3, 219-230.

- [4]**M.M.M. Jaradat** and B. Alzaliq, *The cycle-complete graph Ramsey number $r(C_8, K_8)$.* SUT Journal of Mathematics 43 (2007), 85-98.

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[1]The result of this paper has mentioned in the book " Handbook of product graphs: ", by R. Hammack, W. Imrich and S. Klavžar. Chapter 29, Page 372.

[2]The result of this paper has appeared in the book " Handbook of product graphs: ", by R. Hammack, W. Imrich and S. Klavžar. Chapter 29, Pages 371-372.

[3]The result of this paper has mentioned in the book " Ramsey theory: Yesterday, Today, and Tomorrow", edited by Alixander Soifer. Chapter "Ramsey Numbers Involving Cycles" by S.P. Radziszowski. Page 44.

[4]The result of this paper has mentioned in the book " Ramsey theory: Yesterday, Today, and Tomorrow", edited by Alixander Soifer. Chapter "Ramsey Numbers Involving Cycles" by S.P. Radziszowski, where he wrote that the proof of the result consists of quite intricate considerations of many subcases. Page 44-45.

- M.Y.Alzoubi and **M.M.M. Jaradat**, *The basis number of the cartesian product of a path with a circular ladder, a Mobius ladder and a net*, Kyungpook Math. J. 47 (2007), 165-174.

- **M.M.M. Jaradat**, *An upper bound of the basis number of the semi-strong product of cycles with bipartite graphs,* Bulletin of the Korean Mathematical Society 44 (2007) no. 3, 385-394.

- M.A. Shakhatreh, A.A. Fora, **M.M.M. Jaradat**, W.A. Shatanawi, *Partition and fuzzy partition*, International Journal of Applied Mathematics 20 (2007), 57-66.

- M.A. Shakhatreh, W.A. Shatanawi, **M.M.M. Jaradat,** A.A. Fora*, On Fuzzy partitions,* International Journal of Pure and Applied Mathematics 30 (2006), no. 4, 467–474.

- **M.M.M. Jaradat** M. A. Shakhatreh*, On the independent number of fuzzy graphs,* International Journal of Applied Mathematics 19 (2006) no. 3, 293-298.

- **M.M.M. Jaradat**, *The basis number of the strong product of trees and cycles with some graphs,* J. Combin. Math. Combin. Comput. 58 (2006), 195–209.

- M.Y. Alzoubi and **M.M.M. Jaradat**, The basis number of the composition of theta graphs with some graphs. A Canadian Journal of Combinatorics: Ars Combinatoria, 79 (2006), 107-114.

- **M.M.M. Jaradat**, *On the basis number and the minimum cycle bases of the wreath product of some graphs I,* Discussiones Mathematicae Graph Theory 26 (2006) 113-134.

- **M.M.M. Jaradat**, E.A. Rawashdeh and M.Y. Alzoubi, *The basis number of the semi-composition product of some graphs I*, Turkish Journal of Mathematics 29 (2005), 349-364.

- E.A. Rawashdeh and **M.M.M. Jaradat**, *The basis number of the semi-composition product of some graphs II.* International Journal of Pure and Applied Mathematics 23 (3) (2005), 401-409.

- M.Y. Alzoubi and **M.M.M. Jaradat**, *On the basis number of the composition of different ladders with some graphs**,** International Journal of Mathematics and Mathematical Sciences 2005 (12) (2005), 1861-1868.

- **M.M.M. Jaradat** and M.Y. Alzoubi, *On the basis number of the semi-strong product of bipartite graphs with cycles,* Kyungpook Math. J. 45 (1) (2005), 45-53.

- **M.M.M. Jaradat** and M.Y. Alzoubi, *An upper bound of the basis number of the lexicographic product of graphs,* Australasian Journal of Combinatorics 32 (2005), 305-312.

- **M.M.M. Jaradat**, *An upper bound of the basis number of the semi-strong product of bipartite graphs*, SUT Journal of Mathematics, 41 (1) (2005), 63-74.

- [5]**M.M.M. Jaradat**, *On the edge coloring of graph products*, International Journal of Mathematics and Mathematical Sciences 2005 (16) (2005), 2669-2676**.**

- **M.M.M. Jaradat**, *The basis number of the direct product of a theta graph and a path,* A Canadian Journal of Combinatorics: Ars Combin. 75 (2005), 105-111.

- **M.M.M. Jaradat**, *On the Anderson-Lipman conjecture and some related problems,* Discrete Mathematics 297 (2005), 167-173.

- **M.M.M. Jaradat**, *An upper bound of the basis number of the strong product of graphs,* Discussiones Mathematicae Graph Theory, 25 (3)(2005), 391-407.

- **M.M.M. Jaradat**, M.Y. Alzoubi and E.A. Rawashdeh, *The basis number of the lexicographic product of different ladders,* SUT Journal of Mathematics, 40 (2) (2004), 91-101.

- M.Y. Alzoubi and **M.M.M. Jaradat**, *The basis number of the composition of theta graph with stars and wheels*, Acta Math. Hungar. 103 (3) (2004), 255-263.

- **M.M.M. Jaradat**, On the Hamiltonian decomposition of special product of graphs, A Canadian Journal of Combinatorics: Ars Combin. 69 (2003), 129-141.

- **M.M.M. Jaradat**, *On the basis number of the direct product of graphs*, Australasian Journal of Combinatorics 27 (2003), 293-306.

- A. Al-Rhayyel and **M.M.M. Jaradat**, *On the basis number of the direct product of some graphs*, Bull. Cal. Math. Soc. 88 (6) (1996), 509-516.

18. <u>Peer Reviewed Conference Proceedings Publications.</u>

- **M.M.M. Jaradat** and M.K. Al-Qeyyam, *On the basis number and the minimum cycle bases of wreath products of some graphs*, MATEMATIKA, Special Edition, Part 1, 2008, 2nd ICoMS 2007, 55-64.

- **M. M.M. Jaradat** and M.K. Al-Qeyyam, *On minimum cycle bases of the wreath product of wheels with stars. Proceedings of World Academy of Science, Engeneering and Technology, 65 (2010), 673-677.*

- M.S.A. Bataineh, **M.M.M. Jaradat** and I.Y. Al-Shboul, *Edge-maximal graphs without theta graphs of order seven: Part II*, Proceeding of the Annual International Conference on Computational Mathematics, Computational Geometry& Statistics (CMCGS 2012),

19. <u>List of submitted and in preparation Papers:</u>

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[5]The result of this paper has appeared in the book " Handbook of product graphs: ", by R. Hammack, W. Imrich and S. Klavžar. Chapter 30, Page 380.

- **M.M.M.Jaradat,** A.M.M. Jaradat and M.S.A. Bataineh, *Edge maximal graphs containing no specific wheels* (Submitted).

- **M.M.M. Jaradat,** and M.S.A. Bataineh, *On the basis number of the wreath product of graphs with paths and some related problems.*

- **M.M.M. Jaradat,** and M.S.A. Bataineh, *On the basis number of the direct product of graphs.*

- **M.M.M. Jaradat,** M.S.A. Bataineh and N. Al Hazeem, *The Theta-Wheel Graph Ramsey Number $r(\theta_n, W_5)$ for $n \geq 10$ and $n = 5, 6$.*