


Department of Mathematics

CURRICULUM VITAE

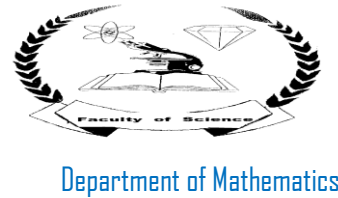
Personal Data

Name	Dr. Ayman Shehata Mohammed Ahmed Osman El-Shazly		
Gender	Male		
Nationality	Egyptian		
Religion	Moslem		
Date of Birth	14-12-1977		
Place of Birth	Assiut, Egypt		
Marital Status	Married		
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Designation	<ul style="list-style-type: none"> Lecturer, Department of Mathematics, Faculty of Science, Assiut University, Assiut 71516, Egypt. Assistant Professor, Department of Mathematics, College of Science and Arts, Unaizah, Qassim University, Qassim, Kingdom of Saudi Arabia. 		
Official website	http://www.aun.edu.eg/membercv.php?M_ID=435		
Office address	<ul style="list-style-type: none"> Department of Mathematics, Faculty of Science, Assiut University, Assiut 71516, Egypt. 		
Contact Address	<ul style="list-style-type: none"> Address: Department of Mathematics, Faculty of Science, Assiut University, Assiut 71516, Egypt. Address Work: Department of Mathematics, College of Science and Arts, Unaizah, Qassim University, Qassim, Kingdom of Saudi Arabia. 		
Domain of Research	Special Functions, Generalized Functions, Functions of Matrix Arguments and Orthogonal Matrix Polynomials and their applications.		
Biography	Mathematical analysis, Special functions.		
Research Area	The field of interests are Mathematical, Complex Analysis, especially of Special Functions, Multiple hypergeometric series, Generalized Functions, Functions of Matrix Arguments and Orthogonal Matrix Polynomials and their applications.		

Academic Qualifications

- **B. Sc.** (Mathematics) Faculty of Science - Assiut University, Egypt, 2000.
- **M. Sc.** (Applied Mathematics-Elasticity) Faculty of Science-Assiut University, Egypt. 2006.

Thesis: "Solution of Some Problems in Mechanics of Elastic Media" " LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.



- **Ph.D.** (Pure Mathematics- Mathematical Analysis - Complex Analysis) Faculty of Science-Assiut University, Egypt, 2009.

Thesis: "A Study of Some Special Functions and Polynomials of Complex Variables" LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.

Work Experience

- Teaching of the following undergraduate and graduate courses in the Faculties of *Science, Education, Engineering* and *Agriculture* of **Assiut, Al-Azhar and Bani Suef** Universities, **Egypt**, *Unaizah Community College, Faculty of Arts and Science Unaizah, Qassim University, Kingdom of Saudi Arabia*.
- Calculus, Integral, general Algebra, Abstract Algebra, Linear Algebra, Mathematical Methods–Elasticity - Numerical Treatment–Differential Equations– Special Functions- Mathematical Analysis- Complex Analysis- Functional Analysis- Real Analysis- Numerical Analysis, Ordinary Differential Equations, Partial Differential Equations, Approximation Theory.

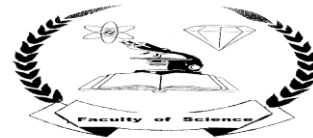
Employment History

- 2000-2006: Demonstrator, Department of Mathematics, Faculty of Science, Assiut University, Egypt.
- 2006-2009: Assistant Lecturer, Department of Mathematics, Faculty of Science, Assiut University, Egypt.
- 2009-....: Lecturer, Department of Mathematics, Faculty of Science, Assiut University, Egypt.

Computer Skills

- I am proficient in programming languages BASIC; FORTRAN (77; 90); MATHEMATICA 5; Mathcad 7, Matlab 5.3-6.1-6.5-7.1.

Fields of Research Work



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- Special functions
- Generalized functions
- Orthogonal matrix polynomials
- Some problems in the field of complex analysis and Clifford analysis
- A study of some topics in the Clifford analysis, complex analysis and their applied complex analysis.
- Simulation of complex function spaces and operator theory.
- A role of value distribution theory and complex differential equations.
- Advanced studies for special functions, orthogonal polynomials in complex analysis, Clifford analysis and their application.
- Simulation of special matrix functions and orthogonal matrix Polynomials in complex analysis.
- Implementation of special matrix functions and orthogonal matrix polynomials in complex analysis.

Research Interests

- Functions of matrix arguments, multiple and basic hypergeometric series and their applications, orthogonal matrix polynomials.
- The subjects of special functions, orthogonal polynomials and basic sets of polynomials of single complex variable and several complex variables have a great situation in almost all disciplines Mathematics, Physics and Engineering in one of the branches of complex analysis if we choose a different extension of the complex numbers.
- My research collaboration in the field of orthogonal matrix polynomials and various topics of special functions is going on with **Prof. Dr. Subuhi Khan, Dr. Lalit Mohan Upadhyaya, Dr. Bayram Cekim, Dr. Ravi Bhukya, Dr. Ghazi S. Khammash, Dr. Mohamed Saleh Metwally and Dr. Mahmoud Tawfik Mohamed** and a number of our joint research papers have been communicated for publication.

References

1- Prof. Dr. Subuhi Khan

Affiliation: Department of Mathematics, Aligarh Muslim University, Aligarh-202002, India.

Email address: subuhi2006@gmail.com

2- Dr. Lalit Mohan Upadhyaya

Affiliation: Department of Mathematics, Municipal Post Graduate College, Mussoorie, Dehradun, Uttarakhand -248179, India.

Email address: lmupadhyaya@rediffmail.com

3- Dr. Bayram Cekim

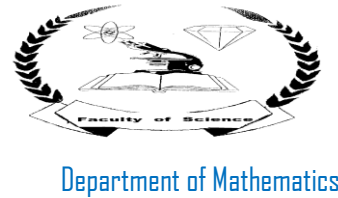
Affiliation: Gazi University, Faculty of Sciences and Arts, Department of Mathematics, Teknikokullar TR-06500, Ankara, Turkey.

Email address: bayramcekim@gazi.edu.tr, baycekim@yahoo.com

4- Dr. Ravi Bhukya

Affiliation: Department of Mathematics, Govt Degree College Uravakonda, Ananthapur, 515812, India.

E-mail address: ravidevi19@gmail.com



5- Dr. Ghazi S. Khammash

Affiliation: Department of Mathematics, Al-Aqsa University, Gaza Strip, Palestine.

E-mail address: ghazikhamash@yahoo.com

6- Dr. Mohamed Saleh Metwally

Affiliation: Department of Mathematics, Faculty of Science (Suez), Suez Canal University, Egypt.

E-mail address: met641958@yahoo.com

7- Dr. Mahmoud Tawfik Mohamed

Affiliation: Department of Mathematics and Science, Faculty of Education (New Valley), Assiut University, New Valley, EL-Kharga 72111, Egypt.

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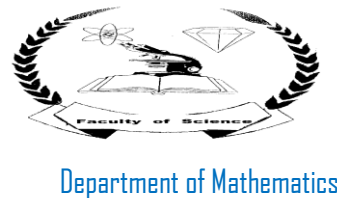
8- Ahmed Adly Mahmoud Abd El-Hafez

Affiliation: Department of Mathematics, Faculty of Science, Al-Azhar University, Assiut 71524, Egypt.

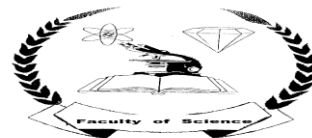
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Association with Academic Journals

1. **Member of the Editorial Board** of the South Asian Journal of Mathematics (SAJM)
<http://www.sajm-online.com/index.php?page=editorial-board>
2. **Member of the Editorial Board** of the Fundamental Journal of Mathematics and Mathematical Sciences(FJMMS)
http://frdint.com/funda_jour_mathe_and_mathe_sci_ed.html
3. **Member of the Editorial Board** of the Fundamental Journal of Mathematical Physics
http://frdint.com/fundamental_journal_mathematical_physics_edit.html
4. **Member of the Editorial Board** of the Fundamental Journal of Applied Sciences
http://www.frdint.com/fundamental_journal_of_applied_sciences_edit.html
5. **Member of the Editorial Board** of the International Journal of Medical Science and Clinical invention (IJMSCI)
<http://valleyinternational.net/index.php/our-jou/ijmsci/ijmsci-board-member>
6. **Member of the Editorial Board** of the International Journal of Research in Engineering and Technology (IJRET), **ISSN: 2319-1163**
<http://ijret.org/ReviewBoard>
7. **Member of the Editorial Board** of the International Journal of Science, Engineering and Innovative Research(IJSEIR), **ISSN:2412-513X**
<http://ijseir.org/editorial-board>
8. **Member of the Editorial Board** of the Global Journal of Mathematics (GJM), **ISSN: 2395-4760**
<http://gpcpublishing.com/index.php?journal=gjm&page=about&op=editorialTeam>



9. **Member of the Editorial Board** of the International Journal of Current Research and Academic Review- (IJCRAR) **ISSN: 2347 -3215**
<http://www.ijcrar.com/editorboard.php>
10. **Member of the Editorial Board** of the Journal of Progressive Research in Mathematics, **ISSN: 2395-0218**
<http://scitecresearch.com/journals/index.php/jprm/about/editorialTeam>
11. **Member of the Editorial Board** of the International Journal of Applied Computational Science and Mathematics (IJACSM)
http://www.ripublication.com/editorial_board_of_ijacsm.htm
12. **Member of the Editorial Board** of the International Journal of Current Trends in Engineering and Research (IJCTER)
<http://www.ijcter.com/editorial-board/>
13. **Member of the Editorial Board** of the International Journal of Current Research in Biosciences and Plant Biology (IJCRBP) ISSN: 2349-8072 (Print), ISSN: 2349-8080 (Online)
<http://www.ijcrbp.com/editorboard.php>
14. **Member of the Editorial Board** of the International Journal of Innovative Research in Engineering & Management (IJIREM) **ISSN 2350-0557**.
<http://www.ijirem.org/IJIREM/EditorialBoard.aspx>
15. **Member of the Editorial Board** of the International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE) (2016-34)
http://www.isroset.org/journal/ijsrcse/edu_board.php?pageNum_RS_U=0&totalRows_RS_U=12
http://www.isroset.org/members_name_life.php
16. **Member of the Editorial Board** of the International journal of scientific and technical research in engineering (IJSTRE)
<http://www.ijstre.com/editorial%20board.php>
17. **Member of the Editorial Board** of the International Journal of Recent Advancement in Engineering & Research (IJRAER)
<http://www.ijraer.com>
18. **Member of the Editorial Board** of the Journal of Scientific and Engineering Research
<http://jsaer.com/editorial-board>
19. **Member of the Editorial Board** of the Engineering Publication House - EPH Journal
http://ephjournal.com/editorial_board.php
20. **Member of the Editorial Board** of the Journal of Mathematical Sciences: Advances and Applications
<http://www.scientificadvances.co.in/editorial-board/1>
21. **Member of the Editorial Board** of the International Journal of Advances in Computer Science and Technology (IJACST) **ISSN 2320 – 2602**
<http://www.warse.org/IJACST/editorialBoard>



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22. Member of the Editorial Board of the International Journal of Innovations in Engineering and Technology (IJJET) ISSN: 2319-1059
<http://ijjet.com/editorial-board-2/>
23. Member of the Editorial Board of the International Journal of Advances in Mathematics
<http://adv-math.com/journal-info/editorial-board/>
24. Member of the Editorial Board of the Mechanics, Materials Science & Engineering Journal(MMSE)
25. Member of the Editorial Board of the International Journal of Mathematics and Computer Applications Research
26. Member of the Editorial Board of the International Journal of Mathematical Sciences & Applications
27. Member of the Editorial Board of the International Journal for Research & Development in Technology
28. Member of the Editorial Board of the Indian Journal in Number Theory (IJNT)
29. Member of the Editorial Board of the International Journal of Pure and Applied Mathematical Sciences (IJPAMS) ISSN: 0972-9828
30. Member of the Editorial Board of the International Journal of Computational and Applied Mathematics (IJCAM) ISSN: 1819-4966
31. Member of the Editorial Board of the Mathematics and Statistics Journal(MSJ) (ISSN 2077-4591)
32. Member of the Editorial Board of the Global Journal of Engineering Science and Researches, GJESR (ISSN- 2348 – 8034)
33. Member of the Editorial Board of the International Journal of Medical and Applied Research (IJMAR)

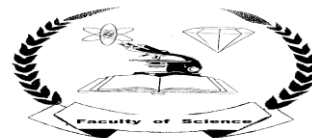
Reviewer for the Journals:

1. International Journal of Advanced Computer Science and Applications (IJACSA)
2. International Journal of Science, Engineering and Innovative Research (IJSEIR)
3. International Journal of Computers & Technology(ISSN: 2277-3061)
4. Universal Journal of Computational Mathematics
http://www.hrpub.org/journals/jour_reviewers.php?id=24

PUBLICATIONS: Articles in referred Journals:

Papers my Thesis Ph. D.

- 1- M.S. Metwally, M.T. Mohamed and **A. Shehata**; Generalizations of two-index two-variable Hermite matrix polynomials. *Demonstratio Mathematica*. Vol.42, No.4 (2009), 687-701. [ISSN 0420-1213; Refereed & Indexed Journal; 2012 Impact Factor: 0.151(SJR)(Poland)]
- 2- M.S. Metwally, M.T. Mohamed and **A. Shehata**; On Hermite-Hermite matrix polynomials. *Mathematica Bohemica*. Vol.133, No.4 (2008), 421-434. [ISSN 0862-7959; Refereed & Indexed Journal; 2012 Impact Factor: 0.124(SJR)(Czech Republic)]
- 3- M.S. Metwally, M.T. Mohamed and **A. Shehata**; On pseudo Hermite matrix polynomials of two variables. *Banach Journal of Mathematical Analysis*, Vol.4, No.2 (2010), 169 - 178. [ISSN 1735 - 8787; Refereed & Indexed Journal; 2012 Impact Factor: 0.407 (ISI)(Iran)]
- 4- R.A. Rashwan, M.S. Metwally, M.T. Mohamed and **A. Shehata**; Certain Kummer's matrix function of two complex variables under certain differential and integral operators. *Thai Journal of Mathematics*, Vol.11, No.3 (2013), 725 -740.



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- [ISSN 1686-0209; Refereed & Indexed Journal; 2012 Impact Factor: 0.237(SJR)([Thailand](#))]
- 5- M.S. Metwally, M.T. Mohamed and [A. Shehata](#); On Chebyshev matrix polynomials, matrix differential equations and their properties. *Afrika Matematika*, Vol.26, No.5 (2015), 1037-1047. [ISSN 1012-9405 (Print) 2190-7668 (Online); Refereed & Indexed Journal; 2013 Impact Factor: 0.15 (SJR) ([United States](#))]
- 6- R.A. Rashwan, M.S. Metwally, M.T. Mohamed and [A. Shehata](#); On Composite $l(m,n)$ -Kummer's matrix functions of two complex variables. *Thai Journal of Mathematics* (in press). [ISSN 1686-0209; Refereed & Indexed Journal; 2012 Impact Factor: 0.237(SJR)([Thailand](#))]

Papers with M.S. Metwally

- 7- M.S. Metwally and [A. Shehata](#); A study of a new properties of Hermite-Hermite matrix polynomials and their Applications. *International Journal of Mathematical Sciences and Engineering Applications (IJMSEA)*. Vol.7, No.I (2013), pp. 19-33. [ISSN 0973-9424; Refereed & Indexed Journal; 2014 Impact Factor: 0.5029 (JIF)([India](#))]

Papers with M.T. Mohamed

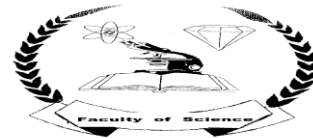
- 8- M.T. Mohamed and [A. Shehata](#); A study of Appell's matrix functions of two complex variables and some properties. *Advances and Applications in Mathematical Sciences*. Vol.9, No.1 (2011), 23-33. [ISSN 0974-6803; Refereed & Indexed Journal; 2014 Impact Factor: ...([India](#))]

Papers with R.S. Batahan

- 9- R.S. Batahan and [Ayman Shehata](#); Inequalities for some functions are related to the confluent hypergeometric function. *Journal of Andalus for Social and Applied Sciences*, Vol.8, No.2 (2014), 56-64.
- 10- R.S. Batahan and [A. Shehata](#); Hermite-Chebyshev polynomials with their generalized form, *Journal of Mathematical Sciences: Advances and Applications*, Vol.29, No.1 (2014), 47 -59. [ISSN 0974-5750; Refereed & Indexed Journal; 2014 Impact Factor: 0.807 (GIF)([India](#))]

Papers with Ghazi S. Khammash

- 11- Ghazi S. Khammash, M.T. Mohamed and [A. Shehata](#); On pseudo Chebyshev matrix polynomials of two variables, *International Journal of Mathematical Archive (IJMA)*, Vol.2 (2011), 1022-1026. [ISSN 2229-5046; Refereed & Indexed Journal; 2013 SJIF Impact Factor: (4.908)SJIF([India](#))]
- 12- Ghazi S. Khammash and [A. Shehata](#); A new class of generating functions for Chebyshev polynomials, *Journal of Interdisciplinary Mathematics*, Vol.15, No.6 (2012), 373 - 385. [ISSN 0972-0502; Refereed & Indexed Journal; 2012 Impact Factor: 0.158(SJR)([India](#))]
- 13- Ghazi S. Khammash and [A. Shehata](#); A study on some properties of Legendre polynomials and integral transforms, *International Journal of Open Problems in Computer Science and Mathematics*, Vol.5, No.2 (2012), 1-6. [ISSN 1998-6262; Refereed & Indexed Journal; 2012 Impact Factor: 0.523(GIF)([Jordan](#))]
- 14- Ghazi S. Khammash and [A. Shehata](#); On Humbert matrix polynomials, *Asian Journal of Current Engineering and Maths. (AJCEM)*, Vol.1, No.5 (2012), 232 - 240. [ISSN 2277-4920; Refereed & Indexed Journal; 2013 Impact Factor: ...)([India](#))]
- 15- Ghazi S. Khammash and [A. Shehata](#); On Humbert matrix polynomials of two variables, *Advances in Pure Mathematics*, Vol.2, No.6 (2012), 423 - 427. [ISSN 2160-0384; Refereed & Indexed Journal; 2013 Impact Factor: 0.46 (GJIF)]



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16- Ghazi S. Khammash and [A. Shehata](#); Reply to Comment on “On Humbert matrix polynomials of two variables”, *Advances in Pure Mathematics*, **Vol.4** (2014), 324 -325

[ISSN 2160-0384; Refereed & Indexed Journal; 2013 Impact Factor: 0.46 (GJIF)]

17- Ghazi S. Khammash and [A. Shehata](#); A new generating function of Chebyshev polynomials, *International Journal of Engineering and Applied Sciences*, **Vol.4, No.4** (2013), 36 -39.

[ISSN 2305-8269; Refereed & Indexed Journal; 2013 Impact Factor:]

Papers with Lalit Mohan Upadhyaya

18- Lalit Mohan Upadhyaya and [A. Shehata](#); On Legendre matrix polynomials and its applications, *International Transactions in Mathematical Sciences and Computer*. Vol.4, No.2 (2011), 291-310.

19- Lalit Mohan Upadhyaya and [A. Shehata](#); A new extension of generalized Hermite matrix polynomials. *Bulletin of the Malaysian Mathematical Sciences Society*, **Vol.38, No.1** (2015), 165– 179.

[ISSN 0126-6705; Refereed & Indexed Journal; 2012 Impact Factor: 0.798 (ISI)([Malaysia](#))]

20- [A. Shehata](#) and Lalit Mohan Upadhyaya; Some relations satisfied by Hermite-Hermite matrix polynomials. *Mathematica Bohemica (in press)*.

[ISSN 0862-7959; Refereed & Indexed Journal; 2014 Impact Factor: 0.23 (SJR)([Czech Republic](#))]

Papers with Ravi Bhukya

21- [A. Shehata](#) and Ravi Bhukya; Some properties of Hermite matrix polynomials. *Journal of the International mathematical Virtual Institute*, **Vol.5** (2015), 1-17.

[ISSN 0354-5792 (p), 1986-521X (o); Refereed & Indexed Journal; 2013 Global Impact Factor: 0.412 ([Republic of Srpska, Bosnia and Herzegovina](#))]

Papers with Bayram Cekim

22- [A. Shehata](#) and Bayram Cekim; Some relations on Hermite-Hermite matrix polynomials. *University Politehnica of Bucharest Scientific Bulletin, Series A: Applied Mathematics and Physics*, **Vol.78. No.1** (2016), 181-194.

[ISSN 1223-7027; Refereed & Indexed Journal; 2013 Impact Factor: 0.28(ISI) ([Romania](#))]

Papers with Subuhi Khan

23- [A. Shehata](#) and Subuhi Khan; On Bessel-Maitland matrix function, *Journal Mathematica (Cluj)*, **Vol. 57 (80). No. 1-2** (2015), 93-98.

[ISSN 1222-9016; Refereed & Indexed Journal; 2013 Impact Factor: 0.00(ISI) ([Romania](#))]

Papers

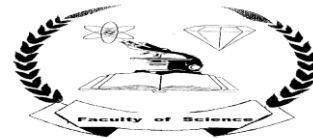
24- [A. Shehata](#); A Study of Some Special Functions and Polynomials of Complex Variables. **Ph.D.** Thesis, Assiut University, Assiut, Egypt, 2009 & LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany (October 20, 2011).

25- [A. Shehata](#); Solutions of Some Problems in Mechanics of Elastic Media. **M.Sc.** Thesis, Assiut University, Assiut, Egypt, 2006 & LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany (3 Feb. 2012).

26- [A. Shehata](#); A Study of Some Special Functions and Polynomials. *LAP LAMBERT Academic Publishing GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany* (August 8, 2013).

27- [A. Shehata](#); A new extension of Hermite-Hermite matrix polynomials and their properties. *Thai Journal of Mathematics*, **Vol.10, No.2** (2012), 433-444.

[ISSN 1686-0209; Refereed & Indexed Journal; 2012 Impact Factor: 0.237(SJR)([Thailand](#))]



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- 28- [A. Shehata](#); On p and q -Horn's matrix function of two complex variables. *Applied Mathematics*, Vol.2, No.12 (2011), 1437-1442.
[ISSN 2152 - 7393; Refereed & Indexed Journal; 2013 Impact Factor: 0.15(ISI) and 0.61 (GJIF)]
- 29- [A. Shehata](#); On Tricomi and Hermite-Tricomi matrix functions of complex variable. *Communications in Mathematics and Applications*. Vol.2, No.(2-3) (2011), 97 – 109.
[ISSN 0975-8607(Online); 0976-5905(Print); Refereed & Indexed Journal; 2012 Impact Factor: 0.000(India)]
- 30- [A. Shehata](#); On pseudo Legendre matrix polynomials. *International Journal of Mathematical Sciences and Engineering Applications (IJMSEA)*, Vol.6, No.VI (2012), 251-258.
[ISSN 0973-9424; Refereed & Indexed Journal; 2012 Impact Factor: 0.2172(India)]
- 31- [A. Shehata](#); Certain $pl(m, n)$ -Kummer matrix function of two complex variables under differential operator, *Applied Mathematics*, Vol.4, No.1 (2013), 91 - 96 .
[ISSN 2152-7393; Refereed & Indexed Journal; 2013 Impact Factor: 0.15 (ISI) and 0.61 (GJIF)]
- 32- [A. Shehata](#); On Rice's matrix polynomials, *Afrika Matematika*, Vol. 25, No.3 (2014), 757 -777.
[ISSN 1012-9405 (Print) 2190-7668 (Online); Refereed & Indexed Journal; 2013 Impact Factor: 0.15 (SJR) (United States)]
- 33- [A. Shehata](#); Inequalities for Humbert functions. *Journal of the Egyptian Mathematical Society*, Vol. 22 (2014), 14 -18.
[ISSN 1110-256X; Refereed & Indexed Journal; 2013 Impact Factor:]
- 34- [A. Shehata](#); New Kinds of Hypergeometric matrix functions. *British Journal of Mathematics and Computer Science*, Vol.5, No.1 (2015), 92-103.
[ISSN 2231-0851; Refereed & Indexed Journal; 2013 Impact Factor: 0.00 (UK)]
- 35- [A. Shehata](#); On Rainville's matrix polynomials. *Sylwan Journal*, Vol.158, No. 9 (2014), 158-178.
[ISSN 0039-7660; Refereed & Indexed Journal; 2012 Impact Factor: 0.263 (ISI) (Poland)]
- 36- [A. Shehata](#); On a new family of the extended generalized Bessel-type matrix polynomials. *Mitteilungen Klosterneuburg Journal*. Vol.65, No.2 (2015), 100-121.
[ISSN 0007-5922; Refereed & Indexed Journal; 2013 Impact Factor: 0.106(ISI) (Austria)]
- 37- [A. Shehata](#); Some relations on Gegenbauer matrix polynomials. *Review of Computer Engineering Research*. Vol.2, No.1 (2015), 1-21.
- 38- [A. Shehata](#); Connections between Legendre with Hermite and Laguerre matrix polynomials. *Gazi University Journal of Science*. Vol.28, No.2 (2015), 221-230.
[ISSN 1303-9709; Refereed & Indexed Journal; 2013 Impact Factor: 0.14 (SJR) (Turkey)]
- 39- [A. Shehata](#); Some inequalities for special functions. *Journal of Inequalities and Applications*. (2015) 2015:164.
[ISSN 1029-242X, 1025-5834; Refereed & Indexed Journal; 2013 Impact Factor: 0.77 (ISI) (United States)]
- 40- [A. Shehata](#); Some relations on Laguerre matrix polynomials. *Malaysian Journal of Mathematical Sciences*, Vol. 9, No. 3 (2015), 443-462.
[ISSN 1823-8343; Refereed & Indexed Journal; 2014 Impact Factor: 0.16 (SJR) (Malaysia)]
- 41- [A. Shehata](#); A new extension of Bessel matrix functions. *Southeast Asian Bulletin of Mathematics*, Vol. 40, No. 2 (2016), 265-288.
[Print ISSN 0129-2021, Online ISSN 0219-175X; Refereed & Indexed Journal; 2013 Impact Factor: 0.00 (SJR) (China)]



Department of Mathematics

- 42- [A. Shehata](#); On modified Laguerre matrix polynomials. *Journal of Natural Sciences and Mathematics*. Vol. 8, No. 2 (2015), 153-166.
- 43- [A. Shehata](#); A new kind of Legendre matrix polynomials. *Gazi University Journal of Science*. Vol. 29, No. 2 (2016), 535-558.
[ISSN 1303-9709; Refereed & Indexed Journal; 2013 Impact Factor: 0.14 (SJR) ([Turkey](#))]
- 44- [A. Shehata](#); Some relations on Konhauser matrix polynomials. *Miskolc Mathematical Notes*. Vol. 17, No. 1 (2016), 605-633.
[ISSN 1787-2413; Refereed & Indexed Journal; 2013 Impact Factor: 0.357 (ISI) ([Hungarian](#))]
- 45- [A. Shehata](#); Some relations on Humbert matrix polynomials. *Mathematica Bohemica*, Vol. 141, No. 4 (2016), 407-429.
[ISSN 0862-7959; Refereed & Indexed Journal; 2014 Impact Factor: 0.23 (SJR) ([Czech Republic](#))]

Accepted papers

- 46- [A. Shehata](#); Some relations on the generalized Bessel matrix polynomials. [Asian Journal of Mathematics and Computer Research](#).
- 47- [A. Shehata](#); Some relations on generalized Rice's matrix polynomials. [An International Journal Applications and Applied Mathematics](#).