



## *(Curriculum Vitae Mohamed Rabea Eid)*

### **\*CONTACT INFORMATION:**

Name Mohamed Rabea Eid Said  
Gender Male  
Title Assistant Professor in Science and Mathematics Department,  
Faculty of Education, New Valley, Assiut University from 6/2009  
to 10/2013.  
Assistant Professor in Mathematics Department, Faculty of  
Science, New Valley Branch, Assiut University from 11/2013 to  
1/9/2018.  
Assistant Professor in Mathematics Department, Faculty of  
Science, New Valley University from 1/9/2018 until Now.  
Assistant Professor in Basic Science, Deanship of Preparatory  
Year and Supportive Studies, Northern Border University from  
1/9/2018 until Now.

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URL: <http://scholar.google.com/citations?user=RugsuOIAAAAJ&hl=en>  
[http://www.aun.edu.eg/arabic/membercv.php?M\\_ID=3872](http://www.aun.edu.eg/arabic/membercv.php?M_ID=3872)

Date of birth: 10 / 06 / 1978  
Place of Birth: El-Kharga, Al-Wadi Al-Jadid, Egypt  
Social Status: Married with three children



### **\*EDUCATION AND PROFESSIONAL QUALIFICATIONS:**

Degree: Ph.D. in Applied Mathematics (Nanofluids) 2012.  
MSc. in Applied Mathematics (Heat and Mass Transfer) 2009.  
Preliminary of MSc. in Mathematics 2006.  
Bachelor of Science BSc. in Mathematics 2004.  
Bachelor of Science and Education in Mathematics 1999.

**Location:** Faculty of Science - New Valley Branch - Assiut University.  
Faculty of Education - New Valley Branch - Assiut University.

**Language:** Arabic native language, Fluent in English, French  
Basic knowledge, First level in German.

**Research Domain:** Fluids Mechanics (*Heat and Mass Transfer in Nanofluids*)

**MSc. Title:** " Some problems in Heat and Mass Transfer of Non-Newtonian fluids  
Flow through Porous Media "

**Ph.D. Title:** " On Convective Flow of Nanofluids in Boundary-Layer "

### **\*CERTIFICATIONS AND ACADEMIC EXPERIENCES:**

- Certificate of Training on "Introduction to PC'S, DOS, Windows 95", Faculty of Agriculture, Assiut University, 2000.
- Certificate of Achievement for Satisfactory Completion the Training Program "Effective Communication Skills", Faculty and Leadership Development Center (FLDC), (15h) In the period from 14<sup>th</sup> until 17<sup>th</sup> May 2005, Assiut University, Egypt.
- Certificate of Training on "The 4<sup>th</sup> International Conference and Exhibition on Internet Education", Human and Technology Development Foundation, 6-8 September 2005, Cairo, Egypt.
- Certificate of Presenting on "The First Scientific Conference, The Education and Development in the new societies", Faculty of Education, New Valley, 5-6 March 2006.
- Certificate of Achievement for Satisfactory Completion the Training Program "Effective Learning", Faculty and Leadership Development Center (FLDC), (15h) In the period from 8<sup>th</sup> until 11<sup>th</sup> May 2006, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Scientific Research Methods", Faculty and Leadership Development Center (FLDC), (15h) In the period from 15<sup>th</sup> until 18<sup>th</sup> May 2006, Assiut University, Egypt.
- Certificate of Theoretical and Practical Training in Cooperative and Housing Central Union, The Cooperative and administrative Studies Higher Institute, 28, May 2006, New Valley, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Teaching Evaluation", Faculty and Leadership Development Center (FLDC), (15h) In the period from 6<sup>th</sup> until 8<sup>th</sup> June 2006, Assiut University, Egypt.
- Certificate of Training on "Electronic Health Records", Information Technology Institute (ITI), 9<sup>th</sup> December 2006, Cairo, Egypt.
- Certificate of Training on "Building Interactive Spaces", Information Technology Institute (ITI), 10<sup>th</sup> December 2006, Cairo, Egypt.
- Certificate of Attending the Conference "Information Processing in the Service of Mankind and Health", Information Technology Institute (ITI), 10-12 December 2006, Cairo, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Modern Approaches in Learning", Faculty and Leadership Development Center (FLDC), (15h) In the period from 28<sup>th</sup> until 30<sup>th</sup> May 2007, Assiut University, Egypt.

- Certificate of Theoretical and Practical Training in Cooperative and Housing Central Union, The Cooperative and administrative Studies Higher Institute, 9, March 2008, New Valley, Egypt.
- Certificate of Presenting with Oral Paper Presentation on "The Second Conference for Young Scientists, Basic Science & Technology", Assiut, October 18-19, 2008.
- Certificate of Achievement for Satisfactory Completion the Training Program "Time and Conference Management", Faculty and Leadership Development Center (FLDC), (15h) In the period from 1<sup>st</sup> until 3<sup>rd</sup> February 2009, Assiut University, Egypt.
- Certificate of Achievement for Effective Participated in "The Third Conference for Young Researchers" as a Co-chair, Quality Education for Developing Society, 28 April 2009 Faculty of Education, New Valley, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Credit Hour System", Faculty and Leadership Development Center (FLDC), (15h) In the period from 26<sup>th</sup> until 28<sup>th</sup> January 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Use of Technology in Teaching", Faculty and Leadership Development Center (FLDC), (15h) In the period from 1<sup>st</sup> until 3<sup>rd</sup> February 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Strategic Planning", Faculty and Leadership Development Center (FLDC), (15h) In the period from 8<sup>th</sup> until 10<sup>th</sup> May 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "How to Compete for a Research Fund", Faculty and Leadership Development Center (FLDC), (15h) In the period from 7<sup>th</sup> until 9<sup>th</sup> June 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Code of Ethics", Faculty and Leadership Development Center (FLDC), (15h) In the period from 28<sup>th</sup> until 30<sup>th</sup> September 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "E-Learning", Faculty and Leadership Development Center (FLDC), (15h) In the period from 9<sup>th</sup> until 11<sup>th</sup> June 2010, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Finite Element Modeling Using COMSOL Multiphysics", Elnady Engineering & Agencies, January 2013.
- Attend a Scientific Symposium Entitled "University Ethics" at the Faculty of Science Assiut University, New Valley branch on Monday 20/3/2017.
- Certificate of Achievement for Satisfactory Completion the Training Program "Design and Conduct Scientific Research", Faculty and Leadership Development Center (FLDC), (15h) In the period from 8<sup>th</sup> until 9<sup>th</sup> January 2018, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Code of Ethics", Faculty and Leadership Development Center (FLDC), (15h) In the period from 14<sup>th</sup> until 15<sup>th</sup> January 2018, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Advanced E-Learning", Faculty and Leadership Development Center (FLDC), (15h) In the period from 25<sup>th</sup> until 26<sup>th</sup> February 2018, Assiut University, Egypt.
- Certificate of Achievement for Satisfactory Completion the Training Program "Skills of Reviewing Literature Research and Previous Studies", Saudi Digital Library, 22<sup>th</sup> July 2018, Saudi Arabia.

- Certificate of Achievement for Satisfactory Completion the Training Program "Role of Virtual Platforms in the Management and Knowledge Economy", Saudi Digital Library, 24<sup>th</sup> July 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Postgraduate Students Treated with Standard English Language Tests", Saudi Digital Library, 27<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Learn Research Ways Using the Knowledge Base", Saudi Digital Library, 28<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Steps and Stages of Authoring Books", Saudi Digital Library, 29<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Reports Extraction Skills via JCR Database", Saudi Digital Library, 29<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "ProQuest Database Use Skills", Saudi Digital Library, 29<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "How to Guide Get Published", Saudi Digital Library, 30<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Methods and Skills of Books Marketing Globally", Saudi Digital Library, 30<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Skills and Arts of Converting Theses to books", Saudi Digital Library, 31<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "The Best Method to Use Science Direct Database", Saudi Digital Library, 31<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Building Research Record for Researchers and Methods of Measuring Scientific Productivity", Saudi Digital Library, 31<sup>th</sup> October 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Technical Specifications of the Ideal Book", Saudi Digital Library, 3<sup>rd</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Knowledge Database Use Skills", Saudi Digital Library, 4<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Askzad Database Use Skills", Saudi Digital Library, 4<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Optimize the Scopus Database", Saudi Digital Library, 5<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Author Workshop for Early Researchers", Saudi Digital Library, 6<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Mind Maps and Their Uses in University Study", Saudi Digital Library, 6<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "How to Promote Your Research for Maximum Impact", Saudi Digital Library, 6<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Manage References by Using the Mendeley program", Saudi Digital Library, 8<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Modern Trends in Education and Information Technologies", Saudi Digital Library, 10<sup>th</sup> November 2018, Saudi Arabia.

- Certificate of Achievement for Satisfactory Completion the Training Program "Strategic Planning of IT Institutions", Saudi Digital Library, 11<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Scientific Documentation in researches with A.P.A. System", Saudi Digital Library, 11<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Sage Journals Use Skills", Saudi Digital Library, 12<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Strategies for Self-Learning in the Digital Environment", Saudi Digital Library, 13<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "CABI Database Use Skills", Saudi Digital Library, 13<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Basics of Learning Excel", Saudi Digital Library, 14<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Scientific Construction of the Questionnaire as a Tool for Collecting Research Data", Saudi Digital Library, 14<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "IOPscience Database Use Skills", Saudi Digital Library, 14<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Emerald Database Use Skills", Saudi Digital Library, 15<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Scientific Writing and Publishing Advantages with IGI", Saudi Digital Library, 15<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "King Saud University Publishing House Database", Saudi Digital Library, 20<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Emerald Database Use Skills", Saudi Digital Library, 20<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Academic Writing Criteria", Saudi Digital Library, 21<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Academic Integrity and Scientific Research", Saudi Digital Library, 22<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Information Awareness in the Mobile Environment", Saudi Digital Library, 24<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Use of Dictionaries to Write Terms for Graduate Research", Saudi Digital Library, 25<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "Skills of the Information Trainer in the Digital Environment", Saudi Digital Library, 25<sup>th</sup> November 2018, Saudi Arabia.
- Certificate of Achievement for Satisfactory Completion the Training Program "IGI Global Platform Training Database Use Skills", Saudi Digital Library, 26<sup>th</sup> November 2018, Saudi Arabia.

- Certificate of Achievement for Satisfactory Completion the Training Program "Web of Science Database Use Skills", Saudi Digital Library, 28<sup>th</sup> October 2018, Saudi Arabia.

### Others activates

- ❖ Head of IT Infrastructure (ICTP), 14-01-IS-NIS 7/2013 until now.
- ❖ Member of the Quality and Accreditation Unit at the New Valley Faculty of Education from 2004- until 2012.
- ❖ Head of Data bases and electronic authentication team in the New Valley Faculty of Education from 2004- until 2012.
- ❖ Trainer at the Computer, Languages and Translation Center at the New Valley Faculty of Education from 2000- until now.
- ❖ ICDL trainer at Computer, Languages and Translation Center at the New Valley Faculty of Education from 2000- until now.
- ❖ Designer and developer of the college's and CIQAP's Homepage.
- ❖ Editorial Board Member of **British Journal of Mathematics & Computer Science**. (<http://sciencedomain.org/journal/6/editorial-board-members>).
- ❖ Editorial Board Member of **Journal of Advances in Mathematics and Computer Science**. (<http://www.sciencedomain.org/journal/68/editorial-board-members>)
- ❖ Editorial Board Member of **SCIREA Journal of Mathematics**. (<http://www.scirea.org/journal/EditorialBoard?JournalID=11000>).
- ❖ Editorial Board Member of **Mathematics and Computer Science Journal**. (<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=247>).
- ❖ Reviewer in many Journals " Journal of Porous Media – Chemical Industry & Chemical Engineering Quarterly – Applied Mathematics and Computation – International Journal of Heat and Mass Transfer – Chemical Engineering communications – Journal of the Franklin Institute – Thermal Science – Brazilian Journal of Chemical Engineering – Journal of Thermophysics and Heat Transfer – Neural Computing and Applications – Meccanica – NANO: Brief Reports and Reviews – Journal of the Taiwan Institute of Chemical Engineers – Plos One – Zeitschrift für Naturforschung A – Results in Physics – Journal of Magnetism and Magnetic Materials – etc.
- ❖ Some peer-reviewed papers:
  1. G. Singh, P. R. Sharma and A. J. Chamkha, Effect of thermally stratified ambient fluid on MHD convective flow along a moving non-isothermal vertical plate, International Journal of Physical Sciences Vol. 5(3), pp. 208-215, March 2010.

2. N. Kishan, P. Amrutha, Effects of viscous dissipation on MHD flow with heat and mass transfer over a stretching surface with heat source, thermal stratification and chemical reaction, *Journal of Naval Architecture and Marine Engineering*, Vol 7, No 1 (2010).
3. K. Bhattacharyya and G. C. Layeka, Slip Effect on Diffusion of Chemically Reactive Species in Boundary Layer Flow over a Vertical Stretching Sheet with Suction or Blowing, *Chemical Engineering Communications*, Volume 198, Issue 11, 2011, pages 1354-1365.
4. V. Rajesh, Chemical reaction and radiation effects on the transient MHD free convection flow of dissipative fluid past an infinite vertical porous plate with ramped wall temperature, *Chemical Industry and Chemical Engineering Quarterly / CICEQ*, 2011, vol. 17, iss. 2, pp. 189-198.
5. N. Bachok, A. Ishak, I. Pop, The boundary layers of an unsteady stagnation-point flow in a nanofluid, *International Journal of Heat and Mass Transfer*, Volume 55, Issues 23–24, November 2012, Pages 6499-6505.
6. P. O. Olanrewaju, Unsteady three-dimensional MHD flow and mass transfer in a porous space in the presence of thermal radiation, *Journal of Petroleum and Gas Exploration Research (JPGER)*.
7. R. Nasrin, S. Parvin and M. A. Alim, Free convective phenomena in a tilted enclosure filled with water-Al<sub>2</sub>O<sub>3</sub> nanofluid, *International Journal of Engineering, Science and Technology*, Vol. 4, No. 3, 2012, pp. 1-14.
8. O. D. Makinde Effect of variable viscosity on thermal boundary layer over a permeable flat plate with radiation and a convective surface boundary condition, *Journal of Mechanical Science and Technology*, May 2012, Volume 26, Issue 5, pp 1615-1622.
9. P. Loganathan, P. N. Chand and P. Ganesan, Radiation Effects on and Unsteady Natural Convective Flow of a Nanofluid past an Infinite Vertical Plate, *NANO: Brief Reports and Reviews*, Vol. 8, No. 1 (2013), 1350001.
10. M. Sairamu, R.P. Chhabra, Natural convection in power-law fluids from a tilted square in an enclosure, *International Journal of Heat and Mass Transfer*, Volume 56, Issues 1–2, 1 January 2013, Pages 319-339.
11. M. Sairamu, N. Nirmalkar, R.P. Chhabra, Natural convection from a circular cylinder in confined Bingham plastic fluids, *International Journal of Heat and Mass Transfer*, Volume 60, May 2013, Pages 567-581.
12. N. Mittal, V. Manoj, D. S. Kumar and A. Sathesh, Numerical Simulation of Mixed Convection in a Porous Medium Filled with Water/Al<sub>2</sub>O<sub>3</sub> Nanofluid, *Heat Transfer—Asian Research*, 42 (1), 2013, 46-59.
13. S. Nadeem, R. Mehmood, N. S. Akbar, Non-orthogonal stagnation point flow of a nano non-Newtonian fluid towards a stretching surface with heat transfer, *International Journal of Heat and Mass Transfer*, Volume 57, Issue 2, February 2013, Pages 679-689.

14. N. Ahmed, S. Sengupta and D. Datta, An Exact Analysis for MHD for Free Convection Mass Transfer Flow past an Oscillating Plate Embedded in a Porous Medium with Soret Effect, Chemical Engineering Communications, Volume 200, Issue 4, 2013, pages 494-513.
15. A. Noghrehabadi, A. Behseresht, M. Ghalambaz, and J. Behseresht, Natural-Convection Flow of Nanofluids Over Vertical Cone Embedded in Non-Darcy Porous Media , Journal of Thermophysics and Heat Transfer, Vol. 27, No. 2 (2013), pp. 334-341.
16. M. Ghalambaz, A. Noghrehabadi and A. Ghanbarzadeh, Natural convection of nanofluids over a convectively heated vertical plate embedded in a porous medium, Brazilian Journal of Chemical Engineering, Vol. 31, No. 02, April - June, 2014, pp. 413 – 427.
17. A. Mushtaq, M. Mustafa, T. Hayat, A. Alsaedi, Nonlinear radiative heat transfer in the flow of nanofluid due to solar energy: A numerical study, Journal of the Taiwan Institute of Chemical Engineers, Vol. 45, Issue 4, July 2014, Pages 1176–1183.
18. A.M. Megahed, Flow and heat transfer of a non-Newtonian power-law fluid over a non-linearly stretching vertical surface with heat flux and thermal radiation, Meccanica, July 2015, Volume 50, Issue 7, pp 1693–1700.
19. M. Khan, R. Malik, A. Munir and W. A. Khan, Flow and Heat Transfer to Sisko Nanofluid over a Nonlinear Stretching Sheet, PLOS ONE, 2015 May 18, 1–13.
20. M. Almazmumy, A. Ebaid, Exact Analysis of the Flow and Heat Transfer of the SA-TiO<sub>2</sub> Non-Newtonian Nanofluid Between Two Coaxial Cylinders Through a Porous Medium, Z. Naturforsch. 2017; aop.
21. Y. Zhuang, H. Yu and Q.Y. Zhu, A thermal non-equilibrium model for 3D double diffusive convection of power-law fluids with chemical reaction in the porous medium, International Journal of Heat and Mass Transfer, 115, September 2017, 670–694.
22. T. Hayat, F. Haider, T. Muhammad and A. Alsaedi, Numerical study for Darcy-Forchheimer flow of nanofluid due to an exponentially stretching curved surface, Results in Physics, Available online 11 January 2018.

**\*Work Experience:**

|                        |   |
|------------------------|---|
| 24/11/1999 – 7/6/2009: | Demonstrator in the Faculty of Education in New Valley - Assiut University.                                     |
| 8/6/2009 – 28/7/2012   | Assistant Lecturer in the Faculty of Education in New Valley - Assiut University.                               |
| 29/7/2012 – 30/9/2013  | Lecturer of Mathematics and Computer Science in the Faculty of Education in New Valley - Assiut University.     |
| 1/10/2013 – until now  | Lecturer of Mathematics and Computer Science in the Faculty of Science in New Valley Branch- Assiut University. |

**\*Administrative Positions:**



|                       |   |
|-----------------------|---|
| 1/7/2009 – 28/7/2012  | Member of the administrative team of CIQAP project, New Valley faculty of Education, Assuit University. |
| 29/7/2012 – 30/7/2013 | Head of Data bases team of CIQAP project, New Valley faculty of Education, Assuit University.           |
| 1/7/2013 – until now  | Supervisor of Assiut University network center, New Valley Branch.                                      |
| 1/10/2013 – until now | Head of IT Infrastructure (ICTP), 17-01-IS-NIS, New Valley Branch – Assiut University.                  |

\*Academy Teaching courses:

- Mathematics foundations.
- Introduction to calculus & multivariable calculus
- Introduction to discrete mathematics & logic
- Introduction to probability
- Topics in vector calculus
- Numerical analysis
- Differential equations.
- Plane analytic geometry
- Linear algebra
- Topics applied math.
- Fluid mechanics
- Statics& dynamics courses.
- Heat & mass transfer courses.
- All courses which related to Microsoft.
- Program languages.
- Authoring systems, educational software.
- Multimedia technology.
- Visual basic.
- Drawing production using the computer, *Adobe Photoshop CS5*.
- Concepts: networking, operating systems.
- Computer mathematics courses.
- Animations production using the computer, *Adobe Flash CS5*.
- Computer maintenance.
- Expert systems.
- Fluids dynamics and elasticity (1).
- Mathematical methods.
- Mathematical and statistical packages.
- Mathematical modeling.

\*Theses:

- Kasseb L. Mahny, Some problems in heat transfer of Non-Newtonian nanofluids flow, Ph.D., Sohag University, Faculty of Science; Department of Mathematics (Under supervision).

### \*Research Skills:

Extensive knowledge of DATA BASE, BASIC, FORTRAN, MATLAB, MATHEMATICA and MAPLE programs.

### Publications

1. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Influence of chemical reaction on mixed convection of non-Newtonian fluids along non-isothermal horizontal surface in porous media, *Proceedings of the World Congress on Engineering*, WCE 2008, 3, 1713-1719, 2008.
2. F.S. Ibrahim, F.M. Hady, S.M. Abdel-Gaied and **Mohamed R. Eid**, Heat and mass transfer on a power-law stretched sheet with a magnetic field and suction/injection in a non-Newtonian fluid flow considering heat source or sink, *International Journal of Applied Mathematics and Applications*, *Global Research Publications* 1(2) (2008)127–145.
3. F.S. Ibrahim, F.M. Hady, S.M. Abdel-Gaied and **Mohamed R. Eid**, Heat and mass transfer in a non-Newtonian fluid saturated porous medium over a permeable power-law stretched sheet with considering heat source or sink, *International Journal of Applied Mathematical Analysis and Applications*, *Serials Publications* 1(2) (2009) 119–129.
4. F.S. Ibrahim, F.M. Hady, S.M. Abdel-Gaied and **Mohamed R. Eid**, Influence of chemical reaction on heat and mass transfer of non-Newtonian fluid with yield stress by free convection from vertical surface in porous medium considering Soret effect, *Applied Mathematics and Mechanics (English Edition)* 31(6) (2010) 675–684.
5. S.M. Abdel-Gaied and **Mohamed R. Eid**, Natural convection of non-Newtonian power-law fluid over axisymmetric and two-dimensional bodies of arbitrary shape in a fluid-saturated porous medium, *Applied Mathematics and Mechanics (English Edition)* 32(2) (2011) 179–188.
6. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Boundary-layer flow in a porous medium of a non-Newtonian nanofluid past a vertical surface with yield stress, *Third International Conference on NANO-TECHNOLOGY IN CONSTRUCTION (NTC 2011) NANO-TECHNOLOGY FOR ECO-FRIENDLY AND DURABLE CONSTRUCTION*, 17-18 April, 2011 Cairo, Egypt, Accepted.
7. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Natural convection boundary-layer flow from a vertical cone embedded in a porous medium filled with nanofluids, *The 3rd Scientific Conference for Young Researchs "Basic Science & Technology"* 19–20 April (2011) Assiut, Egypt.
8. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Effect of heat generation or absorption on natural convective boundary-layer flow from a vertical cone embedded in a porous medium filled with non-Newtonian nanofluid, *International Communication in Heat and Mass Transfer* 38 (2011) 1414–1420.

9. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Influence of yield stress on free convective boundary-layer flow of a non-Newtonian nanofluid past a vertical plate in a porous medium, *Journal of Mechanical Science and Technology* 25 (8) (2011) 2043–2050.
10. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Boundary-layer non-Newtonian flow over a vertical plate in a porous medium saturated with a nanofluid, *Applied mathematics and Mechanics (Eng. Edi.)* 32(12) (2011) 1577–1586.
11. F. M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Radiation effect on viscous flow of a nanofluid and heat transfer over a non-linearly stretching sheet, *Nanoscale Research Letters* 7 (2012) 229–242.
12. F.M. Hady, F.S. Ibrahim, S.M. Abdel-Gaied and **Mohamed R. Eid**, Boundary-Layer Flow in a Porous Medium of a Nanofluid Past a Vertical Cone, *Chapter (4) of the book "An Overview of Heat Transfer Phenomena"*, ISBN 978-953-51-0827-6, edited by Salim N. Kazi, 91–104.
13. F.M. Hady, **Mohamed R. Eid**, M.R. Abd-Elsalam, M.A. Ahmed, Soret effect on natural convection boundary-layer flow of a non-Newtonian nanofluid over a vertical cone embedded in a porous medium, *IOSR Journal of Mathematics (IOSR-JM)* 8 (4) (2013) 51–61.
14. S.M. Abdel-Gaied and **Mohamed R. Eid**, Mixed convection flow of nanofluids over a vertical surface embedded in a porous medium with temperature dependent viscosity, *2nd International Conference on Applied, Numerical and Computational Mathematics, Morioka City, Iwate, Japan*, <http://wseas.org/wseas/cms.action?id=4016>, (2013).
15. F.M. Hady, **Mohamed R. Eid**, M.R. Abd-Elsalam, M.A. Ahmed, The Blasius and Sakiadis flow in a nanofluid through a porous medium in the presence of thermal radiation under a convective surface boundary condition, *International Journal of Engineering and Innovative Technology* 3 (3) (2013), 225–234.
16. F.M. Hady, **Mohamed R. Eid**, M.A. Ahmed, A nanofluid Flow in a non-linear stretching surface saturated in a porous medium with yield stress effect, *Applied Mathematics & Information Science Letters* 2 (2) (2014) 43–51.
17. F.M. Hady, **Mohamed R. Eid**, M.A. Ahmed, Slip effects on unsteady MHD stagnation point flow of a nanofluid over stretching sheet in a porous medium with thermal radiation, *Journal of Pure and Applied Mathematics: Advances and Applications* 12 (2) (2014) 181–206.
18. **Mohamed R. Eid**, S.M. Abdel-Gaied, A.A. Idarous, On effectiveness chemical reaction on viscous flow of a non-Darcy nanofluid over a non-linearly stretching sheet in a porous medium, *Jokull Journal* 65 (12) (2015) 76–92.
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### \*Experiences:

- Operate PCs
- Design homepages on the web
- Scientific thinking and research skills
- Teaching in (AUN) courses in” Most courses of undergraduates of Mathematics – Dos – Windows – Word – PowerPoint – Excel –Internet – Html – Access – Object-Oriented Programming – Visual Basic L. – Fortran L. – Macromedia Director – Graphic Buttons Studio – Dream Weaver CS5”.

*I hereby certify that the above details are true and correct to the best of my knowledge and belief and assuring a most valid service to any employer who may require my professional service.*

**Signature**

A handwritten signature in black ink, appearing to read 'MREid', enclosed within a large, sweeping, horizontal loop.

*Mohamed. R. Eid*