

تاريخ الحياة العلمي والوظيفي

بيانات شخصية



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المؤهلات العلمية:

- بكالوريوس علوم من جامعة القاهرة- فرع بني سويف (رياضيات) بتقدير عام ممتاز مع مرتبة الشرف الاولي 2003.
- ماجستير في العلوم من جامعة بني سويف (رياضيات تطبيقية) عام 2011.
- دكتوراه الفلسفة في العلوم من جامعة بني سويف (رياضيات بحثية- تحليل عددي ونظرية التقريب) عام 2014.

التدرج العلمي الوظيفي:

- مدرس بقسم الرياضيات- كلية العلوم- جامعة بني سويف اعتبارا من اكتوبر 2014 وحتى تاريخه.
- مدرس مساعد بقسم الرياضيات- كلية العلوم- جامعة بني سويف اعتبارا من عام 2011 وحتى 2014.
- معيد بقسم الرياضيات - كلية العلوم - جامعة بني سويف اعتبارا من عام 2005 وحتى 2011.

• معيد بقسم الرياضيات – كلية العلوم ببني سويف- جامعة القاهرة اعتبارا من عام

2004 وحتى 2005.

المؤتمرات:

قمت بالمشاركة في المؤتمرات الدولية التالية:

- International Association of Geomagnetism and Aeronomy (IAGA) 2nd Symposium Cairo, Egypt, 4th-8th December (2009).
- International Congress on Computational and Applied Mathematics, Leuven, Belgium 5th-9th July (2010).

المشاركة في الجمعيات العلمية واللجان:

• جمعية الرياضيات المصرية.

• مشاركا في الإشراف على الرسائل العلمية الآتية:

- A. Z. M. Amin, M.Sc. Jan. 2015, thesis entitled: "Spectral methods for solving fractional integral equations"
- T. M. Taha, Ph.D. Jul. 2015, thesis entitled: "Numerical methods for solving fractional partial differential equations on a semi-infinite domain".

قائمة بمجمل الإنتاج العلمي والمؤلفات العلمية:

1. A.H. Bhrawy, **M. A. Abdelkawy**, Fouad Mallawi, An Accurate Chebyshev pseudospectral scheme for multi-dimensional parabolic problems with time delays, Boundary Value Problems, 2015 doi: 10.1186/s13661-015-0364-y (2015).
Citation index: 0 Impact Factor: 0.836 ISSN:1687 -2770
2. R.M. Hafez, **M.A. Abdelkawy**, E.H. Doha, A.H. Bhrawy, A new collocation scheme for solving hyperbolic equations of second order in a semi-infinite domain, Rom Rep Phys, Accepted
Citation index:
Impact Factor: 1.137 ISSN:1221 -1451
3. A.H. Bhrawy, E.H. Doha, S.S. Ezz-Eldien, **M.A. Abdelkawy**, A Jacobi spectral collocation scheme based on operational matrix for time-fractional modified Korteweg-de Vries equations, Computer Modeling in Engineering & Sciences, CMES201408093121.
Citation index:
0 Impact Factor: 1.183 ISSN:1526 -1492
4. AH Bhrawy, **M. A. Abdelkawy**, A fully spectral collocation approximation for multi-dimensional fractional Schrodinger equations, J. Comput. Phys. 294 (2015) 462–483.
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5. E. H Doha, A H Bhrawy, **M A. Abdelkawy**, An accurate Jacobi pseudo-spectral algorithm for parabolic partial differential equations with non-local boundary

- conditions, *J. Comput. Nonlin. Dyn.* 10 (2015) 021016-13.
- Citation index:** **Impact Factor: 1.53** **ISSN:1555 -1423**
6. A.H. Bhrawy, T.M. Taha, **M. A. Abdelkawy**, R.M. Hafez, On numerical methods for fractional differential equation on a semi-infinite interval, A Book chapter.
- Citation index:** **Impact Factor:** **ISSN:**
7. A.H. Bhrawy, M.A. Zaky, D. Baleanu, **M.A. Abdelkawy**, A novel spectral approximation for the two-dimensional fractional sub-diffusion problems, *Rom. Rep. Phys.*, 60 (2015) 344–359. **Citation index: 0** **Impact Factor: 1.137** **ISSN:1221 -1451**
8. **M.A. Abdelkawy**, M.A. Zaky, A.H. Bhrawy, D. Baleanu, Numerical simulation of time variable fractional order mobile-immobile advection-dispersion model, *Rom. Rep. Phys.*, (2015) In Press. **Citation index: 0** **Impact Factor: 1.137** **ISSN:1221 -1451**
9. A.H. Bhrawy, E.H. Doha, **M.A. Abdelkawy**, R.M. Hafez, An efficient collocation algorithm for multidimensional wave type equations with nonlocal conservation conditions, *Appl. Math. Model.*, **39** (18) (2015) 5616–5635.
- Citation index: 1** **Impact Factor:2.158** **ISSN: 0307-904X**
10. **M. A. Abdelkawy**, Engy A. Ahmed and P. Sanchez, A method based on Legendre pseudo-spectral approximations for solving inverse problems of parabolic types equations, *Math. Sci. Lett.*, **4** (2015) 81-90.
- Citation index:** **Impact Factor:** **ISSN:**
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- Citation index: 4** **Impact Factor: 0.71** **ISSN:0008 -0624**
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- Citation index: 5** **Impact Factor: 1.115** **ISSN:1454 -9069**
14. E. H Doha, A. H. Bhrawy, **M. A. Abdelkawy**, R. M. Hafez, Numerical solution of initially-boundary system of nonlinear hyperbolic equations, *Indian Journal of Pure and Applied Mathematics*, (2015) Accepted.
- Citation index:** **Impact Factor:0.206** **ISSN: 0019-5588**
15. **M. A. Abdelkawy**, S. S. Ezz-Eldien, A. Z. M. Amin, A Jacobi Spectral Collocation Scheme for Solving Abel’s Integral Equations, *Progress in Fractional Differentiation and Applications*, 1(3) (2015) 187-200.
- Citation index:** **Impact Factor:** **ISSN:**
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التقدير والتكريم:

• الحصول علي جائزة أحسن رسالة دكتوراه علي مستوي كلية العلوم المقدمة من

كلية العلوم لعام 2014 .