

Curriculum Vitae



Name: Mohamed Basseem Soliman

Title: Assistant Professor

Department: Basic Science-Faculty of Engineering

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A) Academic Qualifications:

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|---------------------------------------|------------------------|------------|
| - Bachelor's Degree in Mathematics | University: Alexandria | Year: 1997 |
| - Master's Degree in Pure Mathematics | University: Alexandria | Year: 2001 |
| - Ph.D. in Pure Mathematics | University: Alexandria | Year: 2008 |

B) Academic promotions:

- | | |
|------------------------|---------------------------|
| - Demonstrator, | Date: 2003. |
| - Assistant Lecturer, | Date: 2004 |
| - Lecturer, | Date: 02 - 2008. |
| - Assistant Professor, | Date: 02 - 2020 till now. |

C) Scientific Merit:

Google Scholar: <https://scholar.google.com.eg/citations?user=ycM5Y74AAAAJ&hl=ar>

Citations: 129

h-index: 7

i10-index: 5

D) Scientific Activities

1: Membership of Professional Organizations and Scientific Societies

1- Egyptian Mathematical Society.

2: Teaching Scopes:

- Numerical analysis for mathematicians.
- Introduction of Probability and Statistics.
- Random process.
- Special functions.
- Integral transform and Z-transform.
- Introduction to discrete mathematics.
- Advanced calculus.
- Operation research.
- Project Management.

3: Peer reviewing of scientific research/ Projects:

- Journal of Mathematics and Computer Science,
- Applied Mathematics and Computations (AMC)

E) Scientific Publications:

Last 10 year of published Scientific Papers



- * A. Alalyani, M. A. Abdou, M. Basseem, On a Solution of a Third Kind Mixed Integro-Differential Equation with Singular Kernel Using Orthogonal Polynomial Method, Journal of Applied Mathematics, Volume 2023, Article ID 5163398, <https://doi.org/10.1155/2023/5163398>
- * M.A. Abdou, M. Basseem, Thermopotential function in position and time for a plate weakened by curvilinear hole, Arch. Appl. Mech. (2022). <https://doi.org/10.1007/s00419-021-02078-x>.
- * M. Basseem, A. Alalyani, On the solution of quadratic nonlinear integral equation with different singular kernels, Math. Problems in Engineering, Vo. 2020. <http://doi.org/10.1155/2020/7856207>.
- * M. Basseem, Degenerate method in mixed nonlinear three dimensions integral equation, Alexandria Eng. J. (2019), <https://doi.org/10.1016/j.aej.2017.10.010>
- * M. A. Abdou, M. Basseem, Solution of mixed integral equation in position and time using spectral relationships, Journal of the Association of Arab Universities for Basic and Applied Sciences (2017), <http://dx.doi.org/10.1016/j.jaubas.2016.05.001>
- * M. A. Abdou, M. Basseem , Numerical treatments for solving nonlinear mixed integral equation, Alexandria Eng. J. (2016), <http://dx.doi.org/10.1016/j.aej.2016.02.035>
- * M. Basseem, Degenerate Kernel Method for Three Dimension Nonlinear Integral Equations of the Second Kind, Universal Journal of Integral Equations 3, 61-66, (2015).

F) Skills

1- Language Skills:

- Arabic Language: Native Language (Excellent).
- English Language: 1st Foreign Language (Very Good).

2-Computer Skills:

- Windows, Office (2019) WinWord – Excel – Access – PowerPoint.
- Some computer languages: Fortran – Python.
- Applications: Maple, Matlab.

3- Presentation skills:

- I am working on Webex as a lecturer for some Eng. Math. courses using PowerPoint