

Hasanen Abuelmagd Hammad

Curriculum Vitae



Personal Data

Full Name **Hasanen Abuelmagd Hammad**
Nationality Egyptian
Address Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt
Date of Birth 15 Mar. 1989
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major specialization **Functional Analysis**
Current position **Assistant Professor**
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Research Interest

Functional Analysis, Fixed point theory, Optimization's, variational inequalities, Functional and integral equations, deferential and fractional equations, algorithms.

Scopus Information's

Scopus ID	No. of articles in Scopus	Citations in Scopus	h-index in Scopus
57191572516	78	441	15

Work Experience

2012 Instructor at Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt.

Teaching (Undergraduate Courses)

Calculus I, Calculus II, Geometry, Special Functions, Algebra, Linear Algebra, Complex Analysis, Real Analysis, Functional Analysis.

Education

- 2020 **Ph.D. of philosophy in Pure Mathematics (Functional Analysis)**, *Sohag University, Sohag, Egypt*
- 2015 **Master of Science in pure Mathematics (Functional Analysis)**, *Sohag University, Sohag, Egypt*
- 2010 **Bachelor's Degree of Science (Major: Mathematics, v.G with honor degree)**, *Sohag University, Sohag, Egypt*

Master Thesis

- Title *On Fixed Point Theorems for Contraction Mappings of Integral Type.*
- Supervisors Prof. Dr. Mahmoud Ahmed Fathalla Professor of Pure Mathematics Faculty of Science - Sohag University, Dr. Mohamed El-Mursi M. El-Mursi Lecturer of Pure Mathematics Faculty of Science- Sohag University.

Ph. D. Thesis

- Title *A Study of Random Common Fixed Point Theorems for Random Operators in Various Spaces and Its Applications.*
- Supervisors Prof. Dr. Rashwan A. Rashwan Professor of Pure Mathematics Faculty of Science - Assuit University, Prof. Dr. Mahmoud A. Abul-Ez Professor of Pure Mathematics Faculty of Science - Sohag University, Dr. Mohamed El-Mursi M. El-Mursi Lecturer of Pure Mathematics Faculty of Science- Sohag University.

Languages

- Arabic Native
- English Very Good

Computer Skills

- Expert Maple, Matlab

Social skills

Communications

Publications

- Hasanen A. Hammad, Hüseyin Isık, Hassan Aydi and Manuel De la Sen, Fixed point approach to the Mittag-Leffler kernel-related fractional differential equations, *AIMS Mathematics*, (2023), 8(4), 8633–8649, (ISI 2.792).
- Hasanen A. Hammad and Manuel De la Sen, Stability and controllability study for mixed integral fractional delay dynamic systems endowed with impulsive effects on time scales. *Fractal Fract.* 2023, 7, 92, <https://doi.org/10.3390/fractalfract7010092> (ISI 3.577).
- Hasanen A. Hammad, Rashwan A. Rashwan, Ahmed Nafea, Mohammad Esmael Samei and Samad Noeiaghdam, Stability analysis for a tripled system of fractional pantograph differential equations with nonlocal conditions, *Journal of Vibration and Control* 2023, Vol. 0(0) 1–16, <https://doi.org/10.1177/10775463221149> (ISI 2.633).

4. Hasanen A. Hammad, Hassan Aydi, Hüseyin Isık and Manuel De la Sen, Existence and stability results for a coupled system of impulsive fractional differential equations with Hadamard fractional derivatives, *AIMS Mathematics*, (2023), 8(3), 6913–6941. (ISI 2.792).
5. Hasanen A. Hammad, Maryam G. Alsherari and Ayman Shehata, Control functions in G-metric spaces: Novel methods for -fixed points and –fixed circles with an application, *Symmetry* (2023), 15, 164, <https://doi.org/10.3390/sym15010164> (ISI 2.940).
6. Muhammad Tariq, Eskandar Ameer, Amjad Ali, Hasanen A. Hammad and Fahd Jarad, Applying fixed point techniques for obtaining a positive definite solution to nonlinear matrix equations, *AIMS Mathematics*, (2023), 8(2), 3842–3859. (ISI 2.792).
7. Hasanen A. Hammad and Maryam G. Alsherari, Generalized –metric-like space and new fixed point results with an application, *AIMS Mathematics*, (2023), 8(2), 2453–2472. (ISI 2.792).
8. Hasanen A. Hammad, Hassan Aydi and Mohra Zayed, Involvement of the topological degree theory for solving a tripled system of multi-point boundary value problems, *AIMS Mathematics*, (2023), 8(1), 2257–2271. (ISI 2.792).
9. Mustafa Mudhesh, Hasanen A. Hammad, Eskandar Ameer, Muhammad Arshad and Fahd Jarad, Novel results on fixed-point methodologies for hybrid contraction mappings in Mb-metric spaces with an application, *AIMS Mathematics*, (2023), 8(1), 1530–1549. (ISI 2.792).
10. M. I. Ayari, M. Imdad, H. Aydi and H. A. Hammad, Two theorems involving cyclic generalized proximal C-contractive non-self-mappings, *Filomat*, (2022), 36(16), 5677–5690, (ISI 0.988).
11. Hasanen A. Hammad and Mohra Zayed, Solving systems of coupled nonlinear Atangana–Baleanu-type fractional differential equations, *Boundary Value Problems*, 2020, 2022, 101, doi.org/10.1186/s13661-022-01684-0 (ISI 1.793).
12. Hasanen A. Hammad, Rashwan A. Rashwan, Ahmed Nafea, Mohammad Esmael Samei and Manuel De la Sen, Stability and existence of solutions for a tripled problem of fractional hybrid delay differential equations, *Symmetry* (2022), 14, 2579. <https://doi.org/10.3390/sym14122579> (ISI 2.940).
13. Abdelkarim Kari, Hasanen A. Hammad Adil Baiz and Mouline Jamal, Best proximity point of generalized (F) –proximal non-self contractions in generalized metric spaces, *Applied Mathematics Information Sciences*, (2022), 16(6), 853–861 (Scopus).
14. Hasanen A. Hammad and Mohra Zayed, New generalized contractions by employing two control functions and coupled fixed-point theorems with applications, *Mathematics*, 2022, 10, 3208. <https://doi.org/10.3390/math10173208> (ISI 2.592).
15. Hasanen A. Hammad, Habib ur Rahma and Mohra Zayed, Applying faster algorithm for obtaining convergence, stability, and data dependence results with application to functional-integral equations, *AIMS Mathematics*, (2022), 7(10), 19026–19056. (ISI 2.792).
16. Hasanen A. Hammad, Mohamed Elmursi, Rashwan A. Rashwan and Hüseyin Isık, Applying fixed point methodologies to solve a class of matrix difference equations for a new class of operators, *Advances in Continuous and Discrete Models* (2022) 2022:46 <https://doi.org/10.1186/s13662-022-03724-6> (ISI 3.761).
17. Hasanen A. Hammad and Mohra Zayed, Solving a system of differential equations with infinite delay by using tripled fixed point techniques on graphs, *Symmetry*, 2022, 14, 1388. <https://doi.org/10.3390/sym14071388> (ISI 2.940).
18. Mustafa Mudhesh, Hasanen A. Hammad, Eskandar Ameer and Amjad Ali, Fixed point results under new contractive conditions on closed balls, *Applied Mathematics & Information Sciences*, (2022), 16(4), 555–564.
19. Hasanen A. Hammad, Hassen Aydi and Manuel De la Sen, Graphical structure of double controlled metric-like spaces with an application, *Advances in Continuous and Discrete Models* (2022) 2022:46 <https://doi.org/10.1186/s13662-022-03717-5> (ISI 3.761).
20. Hasanen A. Hammad and Manuel De la Sen, Application to lipschitzian and integral systems via a

- quadruple coincidence point in fuzzy metric spaces, *Mathematics*, (2022), 10, 1905.
21. Hasanen A. Hammad, Hassen Aydi and Choonkil Park, Fixed point results for a new contraction mapping with integral and fractional applications, *AIMS Mathematics*, (2022), 7(8), 13856–13873. (ISI 2.592).
 22. Hasanen A. Hammad, Rashwan A. Rashwan, Ahmed Nafea and Fahd Jarad, Quadruple best proximity points with applications to functional and integral equations, *Advances in Mathematical Physics*, Volume 2022, Article ID 1849891, 16 pages <https://doi.org/10.1155/2022/1849891> (Hindawi ISI 1.364).
 23. Hasanen A. Hammad and Thabet Abdeljawad, Quadruple fixed-point techniques for solving integral equations involved with matrices and the Markov process in generalized metric spaces, *Journal of Inequalities and Applications*, (2022) 2022:44 <https://doi.org/10.1186/s13660-022-02780-6> (Springer ISI 2.021).
 24. Dhekra M. Albaqeri, Hasanen A. Hammad, Convergence and stability results for new random algorithms in separable Banach spaces, *Applied Mathematics & Information Sciences*, (2022), 16(3), 441-456.
 25. Rashwan A. Rashwan, Hasanen A. Hammad, Ahmed Nafea and Fahd Jarad, Existence and well-posedness of tripled fixed points with application to a system of differential equations, *Symmetry*, 2022, 14, 745 <https://doi.org/10.3390/sym14040745> (ISI 2.940).
 26. Hasanen A. Hammad, Hassen Aydi and Choonkil Park, Fixed point approach for solving a system of Volterra integral equations and Lebesgue integral concept in FCM-spaces, *AIMS Mathematics*, (2022), 7(5), 9003–9022. (ISI 2.739).
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 58. Dhekra M. Albaqeri, Hasanen A. Hammad and Hemen Dutta, Solving a stochastic nonlinear integral equation via random fixed point technique in ordinary metric spaces, *Mathematics in Engineering, Science and Aerospace (MESA)*, 11(4), 2020. (Scopus).
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