BEWAR AHMED MAHMOOD

MSc. Mathematics
(Numerical Analysis)

PERSONAL INFORMATION

First name	Bewar
Middle name	Ahmed
Surname	Mahmood
Gender	Male
Marital Status	Married
Date of Birth	April 20, 1976
Place of Birth	Duhok, Iraq
Nationality	Iraqi
Academic Status	MSc.
Languages	Kurdish (mother tongue), Arabic and English.
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ACADEMIC QUALIFCATION

1997 - 2001	B.Sc. study in the Dept. of Mathematics, College of Science, University of Duhok, Duhok, Kurdistan Region Iraq.
2012 - 2014	M.Sc. study in the Dept. of Mathematics, College of Science, University of Zakho, Zakho, Kurdistan Region Iraq.

PARTICIPATION AT CONFERENCES AND COURSESA

2011	Training course on "English language proficiency course", at University of Duhok, Duhok, Kurdistan Region-Iraq. Training course on "ICDL ", at University of Duhok, Duhok, Kurdistan region-Iraq.
2014	Training course on "Methods of Teaching", at University of Duhok, Duhok, Kurdistan Region-Iraq.
2015	A member in the preparation committee of the second international scientific conference-college of law-Alternative Dispute Resolutions.

PROFESSIONAL EXPERIENCE

1.	Teaching numerical analysis to undergraduate students.
2.	Working as a lecturer in Mathematics Dept. - College of Science, University of Duhok.
3.	Supervision of undergraduate student’s projects.

ACADEMIC TITLE ATTAINED

2005 - 2012	Assistant Researcher, College of Law, University of Duhok, Duhok, Kurdistan Region Iraq.
2014 - 2017	Assistant Lecturer, Department of Mathematics, College of Science, University of Duhok, Duhok, Kurdistan Region Iraq.
2018 - Present	Lecturer, Department of Mathematics, College of Science, University of Duhok, Duhok, Kurdistan Region Iraq.

THESES

2014	“Some Numerical Methods for Solving Nonlinear Diffusion Equation with Convection Term", MSc. Thesis, University of Zakho, Zakho, Kurdistan region-Iraq, 2014.

PUBLISHED PEER-REVIEWED JOURNAL ARTICLES

2021	"Construction of analytical solution for Hirota–Satsuma coupled KdV equation according to time via new approach: Residual power series", **AIP Advances,** 29 October 2021, 11, 105220 (2021); https://doi.org/10.1063/5.0061385
2018	"A Novel Numerical Approach of Time Fornberg-Whitham Equation Using Residual Power Series Method**", International Conference on Advanced Science and Engineering,** Duhok-Iraq, October 9-11, 2018. https://ieeexplore.ieee.org/document/8548934
2017	"A novel analytical solution for the modified Kawahara equation using the residual power series method", ***Nonlinear Dyn 89(2017)***, 1233-1238 DOI: 10.1007/s11071-017-3512-3, https://link.springer.com/article/10.1007/s11071-017-3512-3
2017	"Using differential transform method and Pade approximation for solving MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet" J***. Math. Computer Sci.***, 17 (2017), 169–178. http://www.isr-publications.com/jmcs/volume-17/issue-1?page=2
2017	"A residual power series technique for solving Boussinesq–Burgers equations", ***Cogent Mathematics***, 4(1), 2017, http://dx.doi.org/10.1080/23311835.2017.1279398. http://www.tandfonline.com/doi/abs/10.1080/23311835.2017.1279398
2017	"Thermal boundary layer analysis of nanofluid flow past over a stretching flat plate in different transpiration conditions by using DTM-Pade method", ***J. Math. Computer Sci.***, 17 (2017), 84–95. http://www.isr-publications.com/jmcs/volume-17/issue-1
2017	"MHD Casson fluid with heat transfer in a liquid film over unsteady stretching plate", **International Journal of Advanced and Applied Sciences**, 4(1) 2017, Pages: 55-58. http://www.science-gate.com/IJAAS/V4I1/V4I1.html
2016	"Approximate solutions for solving the Klein–Gordon and sine-Gordon equations", ***Journal of the Association of Arab Universities for Basic and Applied Sciences***, In Press. http://www.sciencedirect.com/science/article/pii/S1815385215000310
2016	"Numerical Simulation Using the Homotopy Perturbation Method for a Thin Liquid Film Over an Unsteady Stretching Sheet" ***International Journal of Pure and Applied Mathematics***, 107(2), 2016, 289-300. http://www.ijpam.eu/contents/2016-107-2/1/index.html
2015	"Approximate Solutions for a Couple of Reaction- diffusion Equations with Self-diffusion", ***British Journal of Mathematics Computer Science***, 11(2), 2015, 1-11. http://www.sciencedomain.org/abstract/10654
2015	"A New Analytical study of Modified Camassa-Holm and Degasperis-Procesi Equations", ***American Journal of Computational Mathematics***, 5, 2015, 267-273. http://www.scirp.org/journal/PaperInformation.aspx?PaperID=59302
2015	"Variational Homotopy Perturbation Method for Solving Benjamin-Bona-Mahony Equation", ***Applied Mathematics***, 3, 2015, 675-683. http://www.scirp.org/journal/PaperInformation.aspx?paperID=55757
2014	"Homotopy analysis method for solving nonlinear diffusion equation with convection term", ***International Journal of Applied Mathematical Research***, 3(3),2014, 244-250. https://doaj.org/article/14d34564e5a14a38b1a517781a7ef05c
2014	"Numerical Solution of Nonlinear Diffusion Equation with Convection Term by Homotopy Perturbation Method", ***IOSR Journal of Mathematics (IOSR-JM),*** 10(1), 2014, 13-17. http://www.iosrjournals.org/iosr-jm/pages/v10(1)Version-1.html

2013	"Successive Approximation Method for Solving Nonlinear Diffusion Equation with Convection Term", ***IOSR Journal of Engineering (IOSRJEN),*** 3(12), 2013, 28-31. http://www.iosrjen.org/pages/volume3-issue12(part-3).html

CONFERENCE PARTICIPATION

2015	A member in the preparation committee of the second international scientific conference-college of law-Alternative Dispute Resolutions.
2018	International Conference on Advanced Science and Engineering,
2019	5th Kurdistan International Conference on Science and Technology.