



السيرة الذاتية

لأعضاء هيئة التدريس ومعاونيهم

- 1- اسم العضو : ريهام محمود عبد المغني أحمد
- 2- الدرجة العلمية : دكتوراه الفلسفة في العلوم تخصص الرياضيات البحتة
- 3- القسم الأكاديمي : قسم العلوم الأساسية
- 4- الوظيفة : مدرس رياضيات بالمعهد العالي للعلوم الإدارية والتجارة الخارجية
- 5- التخصص العلمي الدقيق : الرياضيات البحتة (المعادلات التفاضلية)
- 6- الدورات التدريبية خلال الخمس سنوات الماضية :

م	اسم الدورة	المدة والتاريخ	الجهة المنظمة
	دوره ICDL	2015	كلية العلوم- جامعه الزقازيق
	دوره SPSS	2015	كلية العلوم- جامعه الزقازيق
	دورة التحول الرقمي	2018	كلية العلوم- جامعه الزقازيق

- 7- النشاط العلمي والبحثي للعضو خلال الخمس سنوات الماضية :

أ- البحوث العلمية المنشورة أو المقبولة للنشر أو المقدمة للنشر

ب- البحوث العلمية قيد الانجاز (مشروع بحث)



Reham Shohib

<https://www.webofscience.com/wos/author/rid/IUM-3893-2023>

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Publication Metrics

For manuscripts published from date range August 2018 - August 2023

15

H-index

83

Total Publications

724

Sum of Times Cited

83

Web of Science Core Collection Publications

For all time

15

H-index

86

Total Publications

748

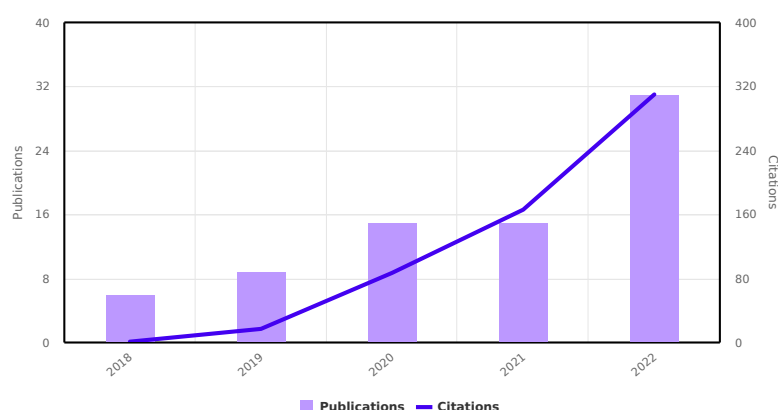
Sum of Times Cited

86

Web of Science Core Collection Publications

Publication Impact Over Time

Times Cited and Publications Over Time



Publishing Summary

For manuscripts published from date range August 2018 - August 2023

(49) Optik - International Journal for ...

(5) Optical and Quantum Electronics

(3) Physics Letters A	(3) Journal of Nonlinear Optical Phys...
(2) Computers & Mathematics with ...	(2) Journal of Ocean Engineering an...
(2) Chinese Journal of Physics	(2) Results in Physics
(2) Ukrainian Journal of Physical Opt...	(2) Mathematics
(2) Chaos, Solitons & Fractals	(2) Electronics
(1) Superlattices and Microstructures	(1) Nonlinear Analysis: Modelling an...
(1) Acta Physica Polonica A	(1) Waves in Random and Complex ...
(1) Journal of Optoelectronics and A...	(1) Optoelectronics and Advanced M...
(1) Comptes rendus de l'Académie b...	

Publications

For manuscripts published from date range August 2018 - August 2023 (83)

Times Cited
(All time)

Dispersive optical solitons with Schrodinger-Hirota equation using the P-6-model expansion approach Published: Aug 2023 in Optical and Quantum Electronics DOI: 10.1007/S11082-023-04960-0	0
Reply on the comment of Emmanuel Kengne published in Optik 242 (2021) 167352 Published: Jul 2023 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2023.170734	0
Dispersive optical solitons in birefringent fibers for stochastic Schrodinger-Hirota equation with parabolic law nonlinearity and spatiotemporal dispersion having multiplicative white noise Published: May 2023 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2023.170736	1
Optical solitons in magneto-optic waveguides for perturbed NLSE with Kerr law nonlinearity and spatio-temporal dispersion having multiplicative noise via Ito calculus Published: Apr 2023 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2023.170682	0
Optical solitons in birefringent fibers with Sasa-Satsuma equation having multiplicative noise with Ito calculus Published: Mar 2023 in Journal of Nonlinear Optical Physics and Materials DOI: 10.1142/S0218863523500066	5

Cubic-quartic embedded solitons with $x(2)$ and $x(3)$ nonlinear susceptibilities having multiplicative white noise via Ito calculus Published: Mar 2023 in Chaos, Solitons & Fractals DOI: 10.1016/J.CHAOS.2023.113186	2
Dispersive Optical Solitons with Differential Group Delay Having Multiplicative White Noise by Ito Calculus Published: Feb 2023 in Electronics DOI: 10.3390/ELECTRONICS12030634	1
Highly Dispersive Optical Solitons in Fiber Bragg Gratings with Quadratic-Cubic Nonlinearity Published: Jan 2023 in Electronics DOI: 10.3390/ELECTRONICS12010125	0
DISPERSIVE OPTICAL SOLITONS WITH RADHAKRISHNAN-KUNDU-LAKSHMANAN EQUATION HAVING MULTIPLICATIVE WHITE NOISE BY ENHANCED KUDRYASHOV'S METHOD AND EXTENDED SIMPLEST EQUATION Published: 2023 in Comptes rendus de l'Académie bulgare des Sciences DOI: 10.7546/CRABS.2023.06.04	0
Dispersive optical solitons in magneto-optic waveguides with stochastic generalized Schrodinger-Hirota equation having multiplicative white noise Published: Dec 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.170069	3
Dispersive optical solitons in magneto-optic waveguides for perturbed stochastic NLSE with generalized anti-cubic law nonlinearity and spatio-temporal dispersion having multiplicative white noise Published: Dec 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.170131	2
Cubic-quartic optical solitons in fiber Bragg gratings with Fokas-Lenells equation and two algorithms Published: Nov 2022 in Optoelectronics and Advanced Materials, Rapid Communications	1
Dispersive optical solitons with Biswas-Milovic equation having dual-power law nonlinearity and multiplicative white noise via Ito calculus Published: Nov 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169951	1
Dispersive optical solitons in birefringent fibers for $(2+1)$-dimensional NLSE with Kerr law nonlinearity and spatio-temporal dispersion having multiplicative white noise via Ito calculus Published: Oct 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169667	0

Dispersive optical solitons with Schrodinger-Hirota model having multiplicative white noise via Ito Calculus Published: Sep 2022 in Physics Letters A DOI: 10.1016/J.PHYSLETA.2022.128268	0
Cubic-quartic nonlinear Schrodinger equation in birefringent fibers with the presence of perturbation terms Published: Sep 2022 in Waves in Random and Complex Media DOI: 10.1080/17455030.2020.1854490	4
Dispersive Optical Solitons to Stochastic Resonant NLSE with Both Spatio-Temporal and Inter-Modal Dispersions Having Multiplicative White Noise Published: Sep 2022 in Mathematics DOI: 10.3390/MATH10173197	1
Cubic-quartic solitons in couplers with optical metamaterials having generalized Kudryashov's law of refractive index Published: Sep 2022 in Journal of Optoelectronics and Advanced Materials	0
Embedded solitons with $\chi^{(2)}$ and $\chi^{(3)}$ nonlinear susceptibilities having multiplicative white noise via Ito Calculus Published: Sep 2022 in Chaos, Solitons & Fractals DOI: 10.1016/J.CHAOS.2022.112494	2
Highly dispersive optical solitons in birefringent fibers for complex-Ginzburg-Landau equation with parabolic law of nonlinearity using two integration techniques Published: Sep 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169573	2
Cubic-quartic optical solitons with Biswas-Milovic equation having dual-power law nonlinearity using two integration algorithms Published: Sep 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169453	5
Optical solitons having Kudryashov's self-phase modulation with multiplicative white noise via Ito Calculus using new mapping Published: Aug 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169369	1
Highly Dispersive Optical Solitons in Fiber Bragg Gratings with Kerr Law of Nonlinear Refractive Index Published: Aug 2022 in Mathematics DOI: 10.3390/MATH10162968	2
Highly dispersive optical solitons in birefringent fibers for perturbed complex Ginzburg-Landau equation having polynomial law of nonlinearity Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169206	2

Optical solitons in birefringent fibers with Biswas-Arshed equation having multiplicative noise via Ito calculus using two integration algorithms Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169322	3
Cubic-quartic optical solitons in birefringent fibers with Sasa-Satsuma equation Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169230	3
Cubic-quartic optical solitons in magneto-optic waveguides for NLSE with Kudryashov's law arbitrary refractive index and generalized non-local laws of nonlinearity Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169127	2
Optical solitons with (2+1)-dimensional nonlinear Schrodinger equation having spatio-temporal dispersion and multiplicative white noise via Ito calculus Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169204	3
Optical solitons with Manakov equation having multiplicative white noise by Ito Calculus Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169233	1
Optical solitons with generalized anti-cubic nonlinearity having multiplicative white noise by Ito Calculus Published: Jul 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.169262	4
Cubic-quartic optical solitons in magneto-optic waveguides for Biswas-Milovic equation with Kudryashov's law of arbitrary refractive index Published: Jun 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168911	6
Cubic-quartic optical solitons of perturbed Biswas-Milovic equation having Kudryashov's nonlinear form and two generalized non-local laws Published: Jun 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168919	4
Optical solitons for Biswas-Arshed equation with multiplicative noise via Ito calculus using three integration algorithms Published: May 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168847	1
Cubic-quartic optical solitons in couplers with optical metamaterials having Kudryashov's sextic power law of arbitrary refractive index Published: May 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168737	2

Cubic-quartic solitons in birefringent fibers with Kundu-Eckhaus equation using two integration schemes Published: Apr 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168714	1
Cubic-quartic optical solitons in couplers with optical metamaterials having Kudryashov's law of arbitrary refractive index Published: Mar 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2022.168604	2
Cubic-quartic solitons in couplers with optical metamaterials having triple-power law nonlinearity (sequel to polynomial law) Published: Jan 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.168264	3
Optical solitons in Bragg gratings fibers for the nonlinear (2+1)-dimensional Kundu-Mukherjee-Naskar equation using two integration schemes Published: Jan 2022 in Optical and Quantum Electronics DOI: 10.1007/S11082-021-03385-X	12
Cubic-quartic solitons in couplers with optical metamaterials having quadratic-cubic law of nonlinearity Published: Jan 2022 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.168065	1
Optical solitons in the Sasa-Satsuma model with multiplicative noise via Ito calculus Published: 2022 in Ukrainian Journal of Physical Optics	79
Cubic-quartic optical solitons with Bragg gratings having anti-cubic nonlinearity and dispersive reflectivity Published: Dec 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.167876	3
Cubic-quartic solitons in couplers with optical metamaterials having polynomial law of nonlinearity Published: Dec 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.168087	7
Optical solitons in fiber Bragg gratings with Radhakrishnan-Kundu-Lakshmanan equation using two integration schemes Published: Nov 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.167635	8
Solitons and conservation laws in magneto-optic waveguides with generalized Kudryashov's equation by the unified auxiliary equation approach Published: Nov 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.167694	8

Solitons in optical fiber Bragg gratings for perturbed NLSE having cubic-quartic dispersive reflectivity with parabolic-nonlocal combo law of refractive index Published: Oct 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.167406	3
Cubic-quartic optical solitons in Bragg gratings fibers for NLSE having parabolic non-local law nonlinearity using two integration schemes Published: Aug 2021 in Optical and Quantum Electronics DOI: 10.1007/S11082-021-03145-X	4
Cubic-quartic optical soliton perturbation Biswas-Milovic equation with Kudryashov's law of refractive index using two integration methods Published: Aug 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.166871	24
Cubic-quartic optical solitons with Kudryashov's arbitrary form of nonlinear refractive index Published: Jul 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.166747	8
Solitons in magneto-optics waveguides for the nonlinear Biswas-Milovic equation with Kudryashov's law of refractive index using the unified auxiliary equation method Published: Jun 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.166602	15
Cubic-quartic optical soliton solutions in fiber Bragg gratings with Lakshmanan-Porsezian-Daniel model by two integration schemes Published: May 2021 in Optical and Quantum Electronics DOI: 10.1007/S11082-021-02907-X	12
The influence of Thomson effect and inclined loads in an electro-magneto-thermoelastic solid with voids under green-Naghdi theories (vol 3, pg 253, 2018) Published: Mar 2021 in Journal of Ocean Engineering and Science	0
Optical soliton perturbation with Kudryashov's law of refractive index by modified sub-ODE approach Published: Mar 2021 in Journal of Nonlinear Optical Physics and Materials DOI: 10.1142/S0218863521500041	3
Optical solitons for the perturbed Biswas-Milovic equation with Kudryashov's law of refractive index by the unified auxiliary equation method Published: Mar 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2021.166286	29
Highly dispersive optical solitons perturbation having Kudryashov's arbitrary form with sextic-power law refractive index and generalized non-local laws Published: Feb 2021 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2020.166120	18

Optical solitons and conservation laws associated with Kudryashov's sextic power-law nonlinearity of refractive index Published: 2021 in Ukrainian Journal of Physical Optics DOI: 10.3116/16091833/22/1/38/2021	101
Embedded solitons with quadratic $\chi^{(2)}$ and cubic $\chi^{(3)}$ nonlinear susceptibilities by extended auxiliary equation method Published: Dec 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2020.165602	3
Solitons in magneto-optic waveguides with anti-cubic nonlinearity Published: Nov 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2020.165313	10
Optical solitons with differential group delay for Kudryashov's model by the auxiliary equation mapping method Published: Oct 2020 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2020.08.022	7
Solitons in magneto-optic waveguides with dual-power law nonlinearity Published: Sep 2020 in Physics Letters A DOI: 10.1016/J.PHYSLETA.2020.126697	16
Solitons in magneto-optic waveguides with quadratic-cubic nonlinearity Published: Sep 2020 in Physics Letters A DOI: 10.1016/J.PHYSLETA.2020.126456	29
Cubic-quartic solitons in couplers with optical metamaterials having power law of refractive index Published: Sep 2020 in Journal of Nonlinear Optical Physics and Materials DOI: 10.1142/S0218863520500095	8
New extended generalized Kudryashov method for solving three nonlinear partial differential equations Published: Jul 2020 in Nonlinear Analysis: Modelling and Control DOI: 10.15388/NAMC.2020.25.17203	18
Optical solitons and other solutions to Kudryashov's equation with three innovative integration norms Published: Jun 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2020.164431	15
Optical solitons in fiber Bragg gratings with generalized anti-cubic nonlinearity by extended auxiliary equation Published: Jun 2020 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2020.03.017	18
Optical solitons with fiber Bragg gratings and dispersive reflectivity having parabolic-nonlocal combo nonlinearity via three prolific integration architectures Published: Apr 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.164065	7

Optical solitons and other solutions to the dual-mode nonlinear Schrodinger equation with Kerr law and dual power law nonlinearities Published: Apr 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.163998	4
Dispersive optical dromions and domain walls with a few golden integration formulae Published: Feb 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.163439	3
Optical solitons in birefringent fibers with quadratic-cubic refractive index by $\phi(6)$ -model expansion Published: Feb 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.163620	10
Short comment on "exp(- $\phi(\xi)$)-expansion method" Published: Feb 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.164113	2
Optical solitons in birefringent fibers with Lakshmanan-Porsezian-Daniel model by the aid of a few insightful algorithms Published: Jan 2020 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.163281	13
Chirped and chirp-free solitons in optical fiber Bragg gratings with dispersive reflectivity having parabolic law nonlinearity by Jacobi's elliptic function Published: Dec 2019 in Results in Physics DOI: 10.1016/J.RINP.2019.102784	19
Dispersive solitons in optical fibers and DWDM networks with Schrodinger-Hirota equation Published: Dec 2019 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.163214	21
Optical dromions in cascaded systems with a couple of integration norms Published: Dec 2019 in Results in Physics DOI: 10.1016/J.RINP.2019.102781	4
On solving the (3+1) -dimensional NLEQZK equation and the (3+1)-dimensional NLmZK equation using the extended simplest equation method Published: Nov 2019 in Computers & Mathematics with Applications DOI: 10.1016/J.CAMWA.2019.05.007	7
Solitons and Other Solutions for Two Higher-Order Nonlinear Wave Equations of KdV Type Using the Unified Auxiliary Equation Method Published: Jul 2019 in Acta Physica Polonica A DOI: 10.12693/APHYSPOLA.136.33	15

Optical solitons to the generalized nonlinear Schrodinger equations for pulse propagation using several different techniques Published: Jun 2019 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.04.019	4
Optical solitons and other solutions to Biswas-Arshed equation using the extended simplest equation method Published: May 2019 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2019.03.112	50
Comment on the paper of Mostafa M. A. Khater et al. [Optical and Quantum Electronic, 50 (2018) 155] Published: Mar 2019 in Optical and Quantum Electronics DOI: 10.1007/S11082-019-1777-0	0
New sub-equation method to construct solitons and other solutions for perturbed nonlinear Schrodinger equation with Kerr law nonlinearity in optical fiber materials Published: Mar 2019 in Journal of Ocean Engineering and Science DOI: 10.1016/J.JOES.2018.12.003	10
Reply on comment on four papers of Elsayed M. E. Zayed, Abdul-Ghani Al-Nowehy, Reham MA Shohib and Khaled AEAlurrfi (Optik 130 (2017) 1295-1311 & Optik 143 (2017) 84-103 & Optik 158 (2018) 970-984 & Optik 144 (2017) 132-148 & Optik 172 (2018) 585-587) Published: Dec 2018 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2018.07.111	0
Solitons and other solutions for higher-order NLS equation and quantum ZK equation using the extended simplest equation method Published: Nov 2018 in Computers & Mathematics with Applications DOI: 10.1016/J.CAMWA.2018.08.027	13
Solitons and other solutions to the improved perturbed nonlinear Schrodinger equation with the dual-power law nonlinearity using different techniques Published: Oct 2018 in Optik - International Journal for Light and Electron Optics DOI: 10.1016/J.IJLEO.2018.06.011	14
A note on the reply of the manuscript of Aly R. Seadawy et al. [Superlattices and Microstructures, in press] Published: Aug 2018 in Superlattices and Microstructures DOI: 10.1016/J.SPML.2018.05.047	1