

Personal details:

Name:	Ibrahim Othman Hamad
Date of Birth:	2 nd Aug 1970
Place of Birth: Marital Status:	Shaqlawa, Erbil - Kurdistan Region, Iraq Married, Four children
Home Address:	Zin City, Shaqlawa Road, (Erbil) - Kurdistan Region, Iraq
Institute Address:	Department of Mathematics, College of Science, University of Salahaddin-Erbil,
	Hawler (Erbil) - Kurdistan Region, Iraq.

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🕙 • Google Schola	: <u>https://scholar.google.com/citations?hl=en&user=WPB4LloAAAAJ</u>
🛯 • Research Gate	: <u>https://www.researchgate.net/profile/Ibrahim Othman Hamad</u>
in • LinkedIn	: <u>https://www.linkedin.com/in/ibrahim-hamad-2b019895/</u>
🕒 • Google+	: <u>https://currents.google.com/101246595491615166391</u>
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• Arab Faculty St: <u>https://arabscientists.azurewebsites.net/Profile/Index/Ibrahim</u>	
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Education:

Ph.D.

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Date:25-05-2007 (Discussion),29-07-2007 (Awarded)Title:Generalized Curvature and Torsion in Nonstandard AnalysisPlace of Attainments:Mathematics Department, College of Science,<br/>University of Salahaddin-Erbil,<br/>Hawler (Erbil), Kurdistan Region, Iraq.Supervisor:Professor Dr. Tahir Hassan Ismail,Supervisor Address:Mathematics Department,<br/>College of Computer Science and Mathematics,<br/>University of Mosul, Mosul, Iraq.
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M. Sc.

Date:02-08-2000 (Discussion),16-09-2000 (Awarded)Title:A Nonstandard Study on The Taylor Series DevelopmentPlace of Attainments:Math. Dept.-College of Sci.-Univ. of Salahaddin-Erbil, IraqSupervisor:Professor Dr. Tahir Hassan Ismail,

B. Sc.

Date: 27-06-1992 Place of Attainments: Math. Dept.-College of Sci.-Univ. of Salahaddin\Erbil-Iraq Title of the Graduation Project: Number of Limit Cycles of Nonlinear Autonomus Homogeneous System of Degree Three



Academic records (Employment)

- 2009 Present : Assistant (Associate) Professor, (Awarded 22.09.2009).
- > 2004 2007: PhD student.
- **2005 2009:** *Lecturer,* (Awarded **21.09.2005**).
- > 2000 2005: Assistant Lecturer, Member of Mathematics Faculty, (Awarded 02.10.2000).
- > 1998 2000: M.Sc Student.
- > 1993 1998: Assistant Researcher in Mathematics Department.

Supervising M.Sc. & Ph.D. Student

- **1**. Sami Ali Hussein: *Ph. D. , co-supervised with Prof. Dr. Tahir Hassan Ismail 2010–2012; Title*: A Characterization of βθ and Pθ-Monads in Topology. University of Mosul\ College of Computer Science and Mathematics\ Department of Mathematics.
- 2. Bakhtiar Radha Abul-Rahman: *M.Sc. (2013-2014)*. *Title*: Some Nonstandard Treatments of Bessel Function.
- **3.** Sebar Muhamad Haji : *M.Sc. (2014-2015*). *Title*: On Some New Type of Functions in Nonstandard Analysis.
- 4. Saman Ahmad Bapir : *M.Sc. (2015-2016)*. *Title*: On Some Nonstandard Study of Compactness in metric Spaces.
 5. Mardan Amin Pirdawd : *M.Sc. (2015-2016)*.
- *Title*: On Some Nonstandard Studies of Analyticity Near Singularity.
- 6. Ala Omer Hasan : *M.Sc. (2019-2021*). *Title*: Nonstandard Completion of Non-complete Metric Spaces.
- 7. Chiman Muhammad Qader : *Ph.D. (2020-2024*). *Title*: Integrability and Canard Solutions of Polynomial Vector Field.

Committees Membership and Positions

- 1993 Present : Member of the Kurdistan Region and Iraq Mathematics Society.
- 2020 Present : *Member of the Kurdish Mathematics Society.*
- 2000 Present : Member of the Committee of Students Guidance,
- 2000 Present : Member of most Committees in the College of Science,
- 2002 Present : Scientific & Postgraduate Committee of the Mathematics Department,
- 2020 Present: Professional Membership of The Institute for Engineering Research and Publication (IFERP), https://dashboard.iferpmembership.in/index.php
- 2000 2004: Member of College Central Examinations Committee,
- 2002 2004: Department'st Seminar & Training Committee,
 - 2007 2008 : External Scientific Evaluator of Some M.Sc Thesises;
 - o 2007 Shadman R. Karim: On Fuzzy B-Sep. Axioms in Fuzzy Top. Fuzzy Spaces, Koya Univ.
 - 2008 Hero W. Salih : General Liapunov Quantities for the Study Lopsided Sys, Koya Univ.
- 2007 Present : Member of some of an Exam. Committees of M.Sc & Ph.D. Students;
 - 2007 Farouk A. Mina : Characterizations of Topological Spacesin NSA, Mosul Univ. M.Sc.
 - 2008 Mahdi H. Shaxi : Approx. Method for Solving SL2DFIE of 2nd Kind, M.Sc.
 - o 2010 Chiman M. Qadr : Stability of Bifurcation PS of Tobin Benhabib Sys, Salahaddin Univ. M.Sc
 - 2014-Fateh S. Aziz : On Subordination and superordination of one and multivalued functions, Salahaddin Univ. *Ph.D.*
 - 2015 Andam A. Mustafa: Computational Methods for Solving Glycolysis System in one Dimension, Salahaddin Univ. *M.Sc.*
 - o 2015-Suham M. Ali : Automatic Continuity of σ-c-derivations on Some Algeb.s, Karkuk Univ. *Ph.D.*
 - 2018-Ramadhan A. Muhammad : On Soft Topological Spaces with Some Appl., Duhok Univ. Ph.D.
 - 2019 Dilan F. Ahmed : Study of Subspace Convex-Cyclic Operators with their Properties and Generalized Drazin Inverse, Univ. of Sulaimani *Ph.D.*

- 2020 Fuad W. Khdhr : New multi-step iterative methods for nonlinear problems with some applications, Salahaddin Univ. *Ph.D.*
- 2022 Darawan Z. Mohammed : Approximation of S-numerical range of polynomial operator matrices, Salahaddin Univ. *M.Sc.*
- o 2022-Kurda H. Salih : Spectral Value and it's Properties of Operators, Univ of Sulaimani. M.Sc.
- 2007 2012: Coordinator of the Scientific Committee of the Department of Mathematics.
- 2008 2011: Member and Chairman of the College Final Exam. Comm. of Higher Edu. (M.Sc.+Ph.D.),
- 2010 2011: Postgraduate & Scientific Affairs Assistant of the Dean of the College and Member of College Concil,
- 2010 Examiner and Member of Comprehensive Examination Committee of Ph.D. Students in both College of Science and Edu. at University of Salahaddin,
- 2011 External Scientific Evaluator of Mathematics Department for Soran University,
- 2011 2013: Member of the College Scientific Promotion committee.
- 2014 Organizer member of CIMPA-KURDISTAN-IRAQ research school, Inverse problems: Theory and applications, University of Salahaddin-Erbil, Kurdistan-Iraq, May 5-14, 2014, <u>http://www.cimpa-icpam.org/spip.php?article564</u>
- 2014 2020: Editorial Board member of International Journal of Enhanced Research In Science Technology & Engineering (IJERSTE) indexed in Thomson Reuters databases Welcome to ER Publications, India: ISSN 2319-7463
- 2015 Reviewer of the journal General Mathematics Notes, Jordan ISSN 2219-7184
- 2016 Reviewer of the journal Annals of Fuzzy Mathematics and Informatics, Korea ISSN: 2093-9310
- 2018 Scientific Committee member and Session Chair of the National Conference on Pure and Applied Mathematics and Mathematical Education (NCPAME2018) Ishik University 11-12/02/2018. Erbil, Kurdistan Region,, <u>http://www.ishik.edu.iq/conf/ncpame/</u>
- 2020 International Advisory Board and Organizer member of "3rd International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-20), organized by Institute for Engineering Research and Publication(IFERP), 26th and 27th December 2020, Maldives, International Conference 2020 | Recent Trends in Multi-Disciplinary Research - IFERP 2020 (icrtmdr.com), International Advisory Committee - ICRTMDR Maldives Conference 2020, with special message on conference website
- 2020 Present: Professional Member of Institute for Engineering Research and Publication (IFERP), <u>https://iferp.in/</u>.
- 2020 Present: Mathematics Stack Exchange network, <u>User Ibrahim Othman Hamad Mathematics</u> <u>Stack Exchange</u>
- 2021 International Advisory Board and Organizer member of "4rd International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-21), organized by Institute for Engineering Research and Publication(IFERP), 23th and 24th December 2021, Maldives, <u>https://icrtmdr.com/past-conference-report.php</u>
- 2022 Scientific Committee member and Session Chair of the Third Int. Conference of Mathematics and its Applications (TICMA2022), University of Salahaddin-Erbil, Kurdistan-Iraq, 29-31/08/2022, <u>https://conferences.su.edu.krd/su/ticma2022/</u>
- 2023 Organizer committee member of International Conference on Advances in Computer Engineering, Communication Systems and Business Development (ICACECSBD-2023)"- VIRTUAL CONFERENCE on 26th & 27th May, 2023, <u>https://www.icacecsbd.org/Organizing-commitee.php</u>
- 2024 International Advisory organizer committee member of 4th International Conference on Engineering, Social-Sciences and Humanities (ICESSU-2024) University of Mindanao TAGUM College, Philippines, 19,20.04.2024, International Engineering Conference | Social Science and Humanities Conferences 2024 - ICESSU

Visiting

- 2011 Institute de Mathematiques de Jussieu Paris, France; for a period one month,
- 2006 (INSPEM), University of Putra Kuala Lumpur, Malaysia, for a period 6 month as a second part of PhD research, unfortunately, we were unable to in compliance with the above invitations because of the politic situation of Iraq at that time

Conferences and Schools:

Schools

- 1- CIMPA-UNESCO-IPM School, Repres. Theory of Algebras, 15-25-6/, 2008. Tehran, Iran.
- 2- Research School CIMPA UNESCO EGYPT, Recent Development in the Theory of Elliptic Partial Differential Equations 25/1-3/2/2009. Alexandria, Egypt.
- 3- CIMPA-KURDISTAN-IRAQ research school, Inverse problems: Theory and applications, University of Salahaddin-Erbil, Kurdistan-Iraq, May 5-14, 2014, <u>http://www.cimpa-icpam.org/spip.php?article564.</u>

Conferences

- 1- International Congress "Nonstandard Methods and Applications in Mathematics-NSM" 25-31/5/ 2006, Pisa, Italy. <u>https://people.dm.unipi.it/nsm2006/</u>
- 2- The Second Conference on Mathematical Sciences (CMS'2008) 22-23/10/2008. Jordan, Zarqa.
- 3- The Second International Conference of Mathematics 26-30/10/2008. Syria, Aleppo.
- 4- First Iraq-French Mathematics Conference, Cooperation with College of Science 14 -18/11/2009. Hawler (Erbil) Kurdistan Region, Iraq.
- 5- The National Conference on Pure and Applied Mathematics and Mathematical Education, Ishik Unviversity (NCPAME2018) 11-12/02/2018. Erbil, Kurdistan Region, http://www.ishik.edu.iq/conf/ncpame/
- 6- 3rd International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-20), 26th 27th December 2020., (Maldives), online, <u>https://icrtmdr.com/</u>
- 7- Celebrating Claude Levesque's, Damien Roy's and Michel Waldschmidt's birthdays Joint with the sixth mini symposium of the Roman Number Theory Association May 16-21, 2022, Marina di San Gregorio, Patù (Lecce), Italy, <u>http://www.rnta.eu/CLDRMW210/,</u> <u>http://www.rnta.eu/CLDRMW210/participants.html.</u>
- 8- Third International Conference of Mathematics and its Applications (TICMA2022), University of Salahaddin-Erbil, Kurdistan-Iraq, 29-31/08/2022, https://conferences.su.edu.krd/su/ticma2022/
- 9- 9th Scientific Conference of University of Garmian: Pure Sciences and Technology and Technology Applications (SCUG-PSTA-2022), Oct. 26, 2022, College of Education/ University of Garmian/Kurdistan region, Iraq, <u>https://psta.garmian.edu.krd/home.</u>
- **10-** An International, Introducing Mendeley Reference Manager Designed Today's Research Workflow, Nov. 9, 2023, College of Science/University of Salahaddin-Erbil/Kurdistan region, Iraq.
- 11- International Conference on Advances in Computer Engineering, Communication Systems and Business Development (ICACECSBD-2024), Organized by IFERP, 26-27, May 2024, Maniar College of Computer and Management, Nagpur, India, Virtual online Conference. <u>https://www.icacecsbd.org/</u>

12- International Advisory organizer committeemember of 4th International Conference on Engineering, Social-Sciences and Humanities (ICESSU-2024), Virtual online Participant, University of Mindanao TAGUM College, Philippines, 19,20.04.2024, International Engineering Conference | Social Science and Humanities Conferences 2024 - ICESSU

Publications:

Papers:

- 1. Existence Canard Solutions For Four Dimensional Hindmarsh-Rose Model with Respect to Infinitesimal Parameter, (with Chiman M. Qader & Waleed H. Aziz), ZANCO Journal of Pure and Applied Sciences, (2024), <u>http://dx.doi.org/10.21271/ZJPAS.36.2.9</u>
- 2. Rank Two Integral Aspects of Three dimensional Lotka-Volterra Equations with Nonstandard Analysis, (with Chiman M. Qader & Waleed H. Aziz), Differential Equations and Dynamical Systems, Springer, (Oct., 2023), <u>https://doi.org/10.1007/s12591-023-00664-9</u>
- 3. Non-Existence of Polynomial First Integrals of a Family of Three-Dimensional Differential Systems, (with Chiman M. Qader & Waleed H. Aziz), Palestine Journal of Mathematics, Vol. 12(Special Issue I) (2023), 59–72 (Palestine) Scopus, Cite Score 0.1, Q4, https://pim.ppu.edu/vol/1339
- 4. Integral Aspects of (1:-3:1) Resonance Lotka-Volterra Equations with Nonstandard Analysis, (with Chiman M. Qader & Waleed H. Aziz), arXiv:2207.14655v1, (2022) https://arxiv.org/abs/2207.14655v1, DOI: https://doi.org/10.48550/arXiv.2207.14655
- Some Nonstandard Treatment of the Singularity in the Differential Equations, (with Mardan A. Pirdawood), Special issue for Passer Journal of Basic and Applied Sciences, No. 10, (2022) 142-159 <u>https://passer.garmian.edu.krd/article_161691.html</u>, DOI: <u>https://doi.org/10.24271/psr.2022.161691</u>
- 6. Some Nonstandard Studies on Complete and Non-Complete Metric Spaces, (with Ala 0. Hassan), *Journal of Univ. of Duhok*, To Appear.
- 7. On Infinitesimal ω-Smooth Functions, ZANCO Journal of Pure and Applied Sciences, (ZJPAS), 32 (5); (2021) 1-16, <u>https://zancojournals.su.edu.krd/index.php/JPAS</u> DOI: <u>http://dx.doi.org/10.21271/ZJPAS.32.0.0</u>
- 8. Nonstandard Completion of Non-complete Metric Spaces, (with Ala O. Hassan), ZANCO Journal of Pure and Applied Sciences (ZJPAS), 33 (4); (2021) 129-135, https://www.iasj.net/iasj/article/213255, DOI: http://dx.doi.org/10.21271/ZJPAS.33.4.13
- 9. Nonstandard Solutions for Ordinary Differential Equations near Singularity, (with Mardan A. Pirdawood), 3rd International Conference on Recent Trends in Multi-Disciplinary Research

(ICRTMDR-20), 26th - 27th December 2020., (Maldives), online, <u>https://icrtmdr.com/</u>, <u>https://www.youtube.com/watch?v=jwX8BZA6Fvw&feature=youtu.be</u>

- Existence and Uniqueness Theorems for Infinitesimal Micromonad of an Initial Standard Point and Legendre Equation, (Wth Mardan A. Pirdawood), Special issue of International Conference on Pure and Applied Sciences (ICPAS 2018), pp114-119 Koya Univ., (Kurdistan region, Iraq), <u>http://conferences.koyauniversity.org/index.php/pas/2018/paper/view/66</u>, DOI: <u>http://dx.doi.org/10.14500/icpas2018</u>, DOI: <u>http://dx.doi</u>
- 11. Nonstandard Version of Intermediate Value Property, (with Sami A. Hussein), Scientific Journal of Univ. of Zakho (SJUOZ), Vol 5(1), (2017) 142-146 (Kurdistan region, Iraq), <u>https://sjuoz.uoz.edu.krd/index.php/sjuoz/article/view/478</u>, DOI: <u>https://doi.org/10.25271/2017.5.1.356</u>
- 12. On Some Nonstandard Development of Intermediate Value Property, Assiut Univ. J. of Mathematics and Computer Science, Vol 45(2), (2016) 35-45 (Egypt) https://aunj.journals.ekb.eg/article 221419.html, DOI: 10.21608/AUNJ.2016.221419

- 13. sp-theta-Topological Group in Nonstandard Analysis, (with Tahir H. Ismail & Sami A. Hussein), Assiut Univ. J. of Mathematics and Computer Science, Vol 45(2), (2016) 11-22 (Egypt), <u>https://aunj.journals.ekb.eg/article_221410.html</u>, DOI: <u>10.21608/AUNJ.2016.221410</u>
- 14. On Some New Type of Functions in Nonstandard, (with Sebar H. Jumha), Scientific Journal of University of Zakho (SJUOZ) Vol 4(A), No 2 (2016) 253-257 https://sjuoz.uoz.edu.krd/index.php/sjuoz/article/view/358
- 15. Nonstandard Asymptotic Treatments for Some Critical Engineering Parameters Depending on Bessel Functions, (with Bakhtiar R. Abdul-Rahman), ANDAMIOS, Vol 13, No 2 (2016), (Mexico) UNIV AUTONOMA CIUDAD MEXICO.
- 16. Some Nonstandard Type of the Remainder of Bessel Function, (Wth Bakhtiar R. Abdul-Rahman), ZANCO Journal of Pure and Applied Sciences (ZJPAS), 28 (4); (2016)142-155
- On Nonstandard Type of Integral Representation of Bessel Function, (with Bakhtiar R. Abdul-Rahman), International Journal of Enhanced Research in Science Technology & Engineering, Vol. 3 Issue 4, (2014) ,347-355 (India) <u>https://www.erpublications.com/our-journals-dtl-pdf.php?pid=1&id=82&pagesize=10&start=40&pagesize=10</u>
- 18. On A New Type of Monads in Topology, (with Tahir H. Ismail & Sami A. Hussein), Journal of Theoretical Mathematics and Applications (JTMA), Vol.2, No.3 (2012),139-150. (New Zealand) https://www.scienpress.com/journal_focus.asp?main_id=60&Sub_id=IV&Issue=450
- 19. Pθ -Topological Groups in Nonstandard Analysis, (with Tahir H. Ismail & Sami A. Hussein), Raf. J. of Comp. & Math's, Vol.9, No.1 (2012), 191-199 https://csmj.mosuljournals.com/article_163683_en.html, DOI: 10.33899/CSMJ.2012.163683
- 20. βθ Monads in General Topology, (with Tahir H. Ismail & Sami A. Hussein), Int. J. of Contemporary Mathematical Science, Vol.7, No.5 (2012). (Bulgaria), 241-249 <u>http://www.m-hikari.com/ijcms/2012/5-8-2012/index.html</u>
- 21. A Generalized Curvature of The Generalized Envelopes, (with Tahir H. Ismail), Raf. J. of Comp. & Math's, Vol.6, No.2 (2009), 39-47. <u>https://csmj.mosuljournals.com/article 163795.html</u>, DOI: <u>10.33899/csmj.2009.163795</u>
- 22. Nonstandard Approximation Factor of the Taylor Series of Two variables, accepted for presentation in a 2ndInt. Mathematics Conference of Alebo Univ. Syria, 2008.
- 23. A Nonstandard Asymptotic Approx. of Bessel Fun. Special issue of 2ndInt. Mathematics Conference of Zarqa Private Univ. Jordon, 2008. <u>https://iacmc.zu.edu.jo/index.php/about-iacmc/iacmc.series</u>
- 24. Continuity as a Galaxy of Hyperreal Functions, Raf. J. of Comp. & Math's, Vol.5, No.2 (2008), 85-93. <u>https://csmj.mosuljournals.com/article_163974.html</u>, DOI: <u>10.33899/CSMJ.2008.163974</u>
- 25. A Nonstandard Generalization of Envelops, (with Tahir H. Ismail), Raf. J. of Comp. & Math's, Vol.5, No.2 (2008), 73-83. <u>https://csmj.mosuljournals.com/article_163973.html</u>, DOI: <u>10.33899/CSMJ.2008.163973</u>
- 26. Nonstandard Treatment of Two Dimensional Taylor Series with Reminder Formulas, Raf. J. of Comp. & Math's, Vol.5, No.1 (2008), 165-175. https://csmj.mosuljournals.com/article_163957.html, DOI: 10.33899/CSMJ.2008.163957
- 27. Reformulation of the Generalized Curvature by Using Decomposion Technique (with Tahir H. Ismail), J. of Edu. Sci., Vol.21, No.1 (2008), 45-60. https://edusj.mosuljournals.com/article_51295.html, DOI: 10.33899/EDUSJ.2008.51295
- 28. Three Near Points Method for Calculating Generalized Curvature and Torsion (with Tahir H. Ismail), J. Edu. Sci., Vol.19, No.4 (2007), 122-131. https://edusj.mosuljournals.com/article 74136.html, DOI: 10.33899/EDUSJ.2007.74136

- 29. On The Generalized Curvature (with Tahir H. Ismail), Raf. J. of Comp. & Math's, Vol.3, No.2 (2006), 83-98. <u>https://csmj.mosuljournals.com/article_164054.html</u>, DOI: <u>10.33899/CSMJ.2006.164054</u>
- 30. On The Generalized Torsion (with Tahir H. Ismail), J. Dohuk Univ., Vol.9, No.2 (2006), 116-122.
- 31. The Curvature of Envelope of a Family of Straight Lines in a Plane (with Tahir H. Ismail) International Congress "NS Methods and Appl. in Mathematics- NSM" 25-31/5/ 2006, Pisa, Italy <u>https://people.dm.unipi.it/nsm2006/</u>, <u>https://people.dm.unipi.it/nsm2006/abstracts.html</u>
- 32. Some Nonstandard Results of Continuous, Monotonic Fun., J. Edu. Sci., Vol.17, No.2 (2005), 80-86. <u>https://edusj.mosuljournals.com/article_81311.html</u>, DOI: <u>10.33899/EDUSJ.2005.81311</u>
- 33. On Some Nonstandard Asymptotic Approximation of Integrals and Series (with Tahir H. Ismail & Rashad R. Haji), Raf. J. of Comp. & Math's, Vol.2, No.2 (2005), 33-40. https://csmj.mosuljournals.com/article_164081.html, DOI: 10.33899/CSMJ.2005.164081
- 34. The Problem of Optimal Accuracy (with Rashad R. Haji), Zanco Jour. of Pure and Applied Science Salahaddin Univ., Vol.16, No.5 (2004), 65-69.
- 35. A new Type of Infinitesimal in Nonstandard Analysis, Zanco Jour. of Pure and Applied Science Salahaddin Univ., Vol.16, No.1 (2004), 67-71.
- 36. A Nonstandard Approximation Using Taylor Polynomials (with Tahir H. Ismail), Raf. J. of Comp. & Math's, Vol.12, No.21 (2001), 86-93.

Books

- Generalized Curvature and Torsion in Nonstandard Analysis, (Nonstandard Technical Treatment for Some Differential Geometry Concepts), LAP Lambert Academic Publishing (Germany) ISBN 978-3-8443-0763-4, 140 Pages. (Co-author with Prof. Dr. Tahir H. Ismail), 2011 https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-8443-0763-4/generalized- curvature-and-torsionin-nonstandard-analysis
- A Characterization of Continuity of βθ and Pθ-Monads in Topology. Verlag/ Publisher: Scholar's Press (India)ISBN: 978-3-639-86258-4 (Co-author with Prof. Dr. Tahir H. Ismail

& Sami A. Hussein), 2015 <u>https://my.scholars-press.com/catalog/details//store/gb/book/978-3-639-86258-4/a-</u> characterization-of-continuity-of-%CE%B2%CE%B8-and-p%CE%B8-monads-in-topolog

Articles

- The Development Project of the Educational Program in Iraq (In Arabic), Journal of Afaq Al- Terbewiyha, Issued by the Ministry of Education Iraqi Kurdistan Region, No.3(2004), pp 107-114.
- Some Notes, About The Integration Subject in the Mathematics Book of 6th Secondary School (In Kurdish) Journal of Assoy Parwardayi, Issued by the Ministry of Education – Iraqi Kurdistan Region, No.38(2003), pp 58-63.

Courses Taught

- 1- 1993-1998, as an Assistant Researcher:
 - (Theoretical): O.D.E, probability, & Statistics, Euclidean and Non-Euclidean Geometry.
 - (Tutorial): Euclidean and Non Euclidean Geometry y, Statistics, O.D.E, P.D.E, Topology.

- (Computer Laboratory): Basic Language, Fortran Language, Pascal Language
- 2- 2000-2004, as an Assistant Lecturer: (Theoretical)
 - Mathematical Analysis, Finite Mathematics ,O.D.E, probability, & Statistics, Euclidean and Non Euclidean Geometry, Pascal Language, Computer Science, Supervising of several fourth year students Graduation Projects, Axiomatic Systems
- **3** 2005 Present, as Lecturer and Assistant Professor: (Theoretical)
 - (Undergraduate): Math. Analysis, Calculus, Advanced Calculus, Axiomatic Systems, Operation Research, Operating Systems, System Analysis, Fundamental of mathematics., Basic Mathematics for Computer Sci, Axiomatic Systems, Modern Geometry
 - (Graduate): Adv. Mathematical Analysis, Adv. Mathematical Analysis-Theory of Integration, Adv. Mathematical Analysis- Advanced topics in Metric Spaces, Nonstandard Analysis and Asymptotic Approximations, Asymptotic Analysis, Nonstandard Analysis, Measure Theory

Software Skills

WinWord (V. good), Excel (V. good), Mathcad(little), Maple (good), LaTx(V.good), VB Office (V.good)