

CURRICULUM VITAE TEMPLATE



Position/Designation: Associate Professor of Mathematics
 Department: DMPS
 College: CAS
 University of Nizwa, Sultanate of Oman

Personal Information

Name: Dr. Mahmood Khalid Jasim
 Marital Status: Married
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Academic Qualifications

- Ph.D. Applied Mathematics, Indian Institute of Technology Roorkee (IITR) (formerly University of Roorkee), India, 1999
- M. Sc. Mathematics, Indian Institute of Technology (IITK), Kanpur, India, 1990
- B. Sc. Mathematics, College of Education, Baghdad University, Baghdad, Iraq, 1982
- Credential Evaluation and Authentication Report, WES, USA, Ref# 2116997/aag dated 31/01/2008” USA Equivalency: Earned doctorate (Ph. D.) in Mathematical Physics from regionally accredited institution.

Teaching Activities, Current/Previous Experience

A2. TEACHING

A2.1 Instruction and Project supervisors

(a) Credit courses at University of Nizwa

No.	Course Code	Course Name	Credit Hours	No of registered students	Semester
1.	MATH221	Foundation of Mathematics	3	14	Fall 2008-2009
2.	MATH492	Topic in Math II	3	9	Fall 2008-2009
3.	MATH315	Partial Diff. Equations	3	3	Spring 2008-2009
4.	MATH354	Numerical Analysis	3	4	Spring 2008-2009

5.	LOGI100	Introduction to logic	3	35	Spring 2008-2009
6.	MATH312	Differential Equations for Engineering	3	10	Summer 2009
7.	MATH330	Introduction to Mathematical Modeling	3	5	Summer 2009
8.	MATH365	Linear Algebra II	3	7	Summer 2009
9.	LOGI100	Introduction to logic (2 sec.)	3	197	Fall 2009-2010
10.	MATH312	Differential Equations for Engineering	3	15	Fall 2009-2010
11.	MATH354	Numerical Analysis	3	2	Fall 2009-2010
12.	MATH492	Topic in Math II	3	1	Fall 2009-2010
13.	LOGI100	Introduction to logic (3 sec.)	3	243	Spring 2009-2010
14.	MATH215	Ordinary Differential Equations	3	10	Spring 2009-2010
15.	MATH312	Differential Equations for Engineering	3	18	Spring 2010
16.	LOGI100	Introduction to logic (2 sec.)	3	85	Summer 2010
17.	MATH215	Ordinary Differential Equations	3	8	Summer 2010
18.	MATH325	Linear Algebra & Multi variant Calculus	3	10	Summer 2010
19.	LOGI100	Introduction to logic (2 sec.)	3	179	Fall 2010-2011
20.	MATH145	Linear Algebra I	3	20	Fall 2010-2011
21.	MATH312	Differential Equations for Engineering	3	23	Fall 2010-2011
22.	MATH325	Linear Algebra & Multi variant Calculus	3	3	Fall 2010-2011
23.	MATH354	Numerical Analysis	3	10	Fall 2010-2011
24.	LOGI100	Introduction to logic (3 sec.)	3	210	Spring 2010-2011
25.	MATH325	Linear Algebra & Multi variant Calculus	3	11	Spring 2010-2011

26.	MATH312	Differential Equations for Engineering	3	28	Spring 2010-2011
27.	LOGI100	Introduction to logic	3	45	Summer 2011
28.	MATH259	Calculus III	3	19	Summer 2011
29.	MATH312	Differential Equations for Engineering	3	9	Summer 2011
30.	MATH365	Linear Algebra II	3	10	Summer 2011
31.	MATH472	Mathematical Methods	3	2	Summer 2011
32.	MATH421	Project in Mathematics	6	2	Summer 2011
33.	LOGI100	Introduction to logic (2 sec.)	3	125	Fall 2011-2012
34.	MATH145	Linear Algebra I	3	24	Fall 2011-2012
35.	MATH312	Differential Equations for Engineering	3	9	Fall 2011-2012
36.	MATH259	Calculus III	3	1	Fall 2011-2012
37.	LOGI100	Introduction to logic (2 sec.)	3	115	Spring 2011-2012
38.	MATH145	Linear Algebra I	3	10	Spring 2011-2012
39.	MATH312	Differential Equations for Engineering	3	20	Spring 2011-2012
40.	LOGI100	Introduction to logic	3	22	Summer 2012
41.	MATH145	Linear Algebra I	3	6	Summer 2012
42.	MATH312	Differential Equations for Engineering	3	2	Summer 2012
43.	MATH365	Linear Algebra II	3	3	Summer 2012
44.	MATH325	Linear Algebra & Multi variant Calculus	3	18	Summer 2012
45.	MATH421	Project in Mathematics	6	3	2009, 2012-2013
46.	LOGI100	Introduction to logic (2 sec.)	3	109	Fall 2012-2013
47.	MATH312	Differential Equations for Engineering	3	14	Fall 2012-2013

48.	MATH221	Foundation of Mathematics	3	3	Fall 2012-2013
49.	MATH325	Linear Algebra & Multi variant Calculus	3	9	Fall 2012-2013
50.	COMP388	Project in Computer Sciences	3	2	Fall 2012-2013
51.	LOGI100	Introduction to logic	3	125	Spring 2012-2013
52.	STAT420	Operation research	3	2	Spring 2012-2013
53.	MATH325	Linear Algebra & Multivariate Calculus	3	28	Spring 2012-2013
54.	MATH354	Numerical Analysis	3	11	Spring 2012-2013
55.	LOGI100	Introduction to logic	3	41	Summer 2013
56.	MATH222	Discrete Mathematics	3	37	Summer 2013
57.	MATH211	Calculus I	4	43	Summer 2013
58.	MATH330	Introduction to Mathematical Modeling	3	2	Summer 2013
59.	LOGI100	Introduction to logic	3	127	Fall 2013-2014
60.	MATH259	Calculus III	3	3	Fall 2013-2014
61.	MATH325	Linear Algebra & Multi variant Calculus	3	9	Fall 2013-2014
62.	MATH116	Pre-calculus	4	60	Spring 2013-2014
63.	MATH365	Linear Algebra II	3	4	Spring 2013-2014
64.	MATH354	Numerical Analysis	3	5	Summer 2014
65.	MATH116	Pre-calculus	4	15	Summer 2014
66.	MATH312	Differential Equations for Engineering	3	15	Summer 2014
67.	MATH212	Calculus II	3	11	Summer 2014
68.	MATH312	Differential Equations for Engineering	3	35	Fall 2014-2015
69.	MATH212	Calculus II	3	6	Spring 2014-2015
70.	MATH312	Differential Equations for Engineering	3	9	Spring 2014-2015

71.	MATH354/CHPE403	Numerical Analysis	3	9	Summer 2015
72.	MATH312	Differential Equations for Engineering	3	28	Summer 2015
73.	MATH325	Linear Algebra & Multi variant Calculus	3	18	Summer 2015
74.	MATH215	Ordinary Differential Equation	3	8	Fall 2015-2016
75.	MATH325	Linear Algebra & Multi variant Calculus	3	28	Fall 2015-2016
76.	MATH325	Linear Algebra & Multi variant Calculus	3	16	Spring 2015-2016
77.	LOGI100	Introduction to logic	3	5	Spring 2015-2016
78.	MATH259	Calculus III	3	13	Spring 2015-2016
79.	MATH420	Project in Mathematics	2	1	Spring 2015-2016
80.	MATH354/CHPE403	Numerical Analysis	3	18	Summer 2016
81.	MATH325	Linear Algebra & Multi variant Calculus	3	17	Summer 2016
82.	MATH312	Differential Equations for Engineering	3	53	Summer 2016
83.	MATH215	Ordinary Differential Equation	3	4	Fall 2016-2017
84.	MATH325	Linear Algebra & Multi variant Calculus	3	15	Fall 2016-2017
85.	MATH354/CHPE403	Numerical Analysis	3	22	Spring 2016-2017
86.	MATH325	Linear Algebra & Multivariate calculus	3	8	Spring 2016-2017
87.	MATH212	Calculus II	3	59	Spring 2016-2017
88.	MATH354/CHPE403	Numerical Analysis	3	10	Summer 2016-2017
89.	MATH116	Pre-calculus	4	27	Summer 2016-2017
90.	MATH325	Linear Algebra & Multivariate calculus	3	7	Fall 2017-2018
91.	MATH212	Calculus II	3	65	Fall 2017-2018

92.	MATH354/CHPE403	Numerical Analysis	3	6	Fall 2017-2018
93.	MATH325	Linear Algebra & Multivariate calculus	3	5	Spring 2017-2018
94.	MATH212	Calculus II	3	59	Spring 2017-2018
95.	LOGI100	Introduction to the Logic	3	90	Spring 2017-2018
96.	MATH212	Calculus II	3	77	Fall 2018-2019
97.	MATH116	Pre-calculus	4	90	Fall 2018-2019
98.	ECON228	Mathematical Economic	3	5	Fall 2018-2019
99.	ECON503	Mathematical Economic for Master students	3	2	Spring 2018-2019
100.	MATH212	Calculus II	3	79	Spring 2018-2019
101.	MATH211	Calculus I	4	45	Spring 2018-2019
102.	MATH222	Discrete Mathematics	3	27	Spring 2018-2019
103.	MATH212	Calculus II	3	77	Fall 2019-2020
104.	MATH211	Calculus I	4	54	Fall 2019-2020
105.	MATH222	Discrete Mathematics	3	57	Fall 2019-2020
106.	ECON228	Intermediate Mathematical Economics	3	9	Fall 2019-2020
107.	MATH212	Calculus II	3	60	Spring 2019-2020
108.	MATH211	Calculus I	4	86	Spring 2019-2020
109.	MATH222	Discrete Mathematics	3	69	Spring 2019-2020
110.	MATH211	Calculus I	4	39	Summer 2019-2020
111.	MATH312	Differential Equation for Engineering	3	23	Summer 2019-2020
112.	MATH212	Calculus II	3	75	FALL 2020-2021

113.	MATH211	Calculus I	4	46	FALL 2020-2021
114.	MATH222	Discrete Mathematics	3	70	FALL 2020-2021
115.	MATH492	Topic in Mathematics II (Numerical Modeling)	3	11	FALL 2020-2021
116.	MATH212	Calculus II	3	75	Spring 2020-2021
117.	MATH211	Calculus I	4	37	Spring 2020-2021
118.	MATH222	Discrete Mathematics	3	54	Spring 2020-2021
119.	MATH492	Topic in Mathematics III (Tensor Calculus)	3	22	Spring 2020-2021
120.	MATH211	Calculus I	4	42	Summer 2020- 2021
121.	MATH222	Discrete Mathematics	3	44	Summer 2020- 2021
122.	LOGI100	Introduction to logic	3	48	Summer 2020- 2021
123.	MATH211	Calculus I	4	30	Fall 2021-2022
124.	MATH222	Discrete Mathematics	3	45	Fall 2021-2022
125.	MATH212	Calculus II	3	57	Fall 2021-2022
126.	MATH211	Calculus I	4	87	Spring 2021-2022
127.	MATH222	Discrete Mathematics	3	67	Spring 2021-2022
128.	MATH212	Calculus II	3	41	Spring 2021-2022
129.	ECON503	Mathematical Economic (Master course)	3	2	Spring 2021-2022
130.	MATH421	Graduate Project	6	12	Spring 2021-2022

(b) Non-credit courses and workshops

- As a community services, several workshops and school visits have been conducted to several schools at Nizwa, Ibra and Snaoo.
- Basic Mathematics (coordinator)
- Workshops

No	Title of Workshops	Date	Venue
1	Teaching Skill Improvement Workshop- Nizwa University	January 2010	Al-Shaba UON
2	On Knots and Manifolds	29 February, 2012	15L, UON, OMAN
3	Solutions of Differential Equations from Transforms Techniques (SDET ²)	30 January- 1 st February, 2014	COMSTECH, Pakistan
4	On Knots and Manifolds	15 May, 2014	15L, UON, OMAN
5	The use of OER to Enhance the Quality of Teaching and Learning	20/April, 2017	Higher College of Technology (HCT), Muscat, Oman

(C) Postgraduate students at the University of Nizwa/ Supervisor

Guided more than 50 Master students at UoN as a 3rd supervisor

Supervised Graduation Projects at UON

No.	Name of the Student	Name of the Project	Year
1.	May Suleem Hamdan Al-Abri	<i>On Similarity Transformation Method with an Application to Shallow Water Equations</i>	2009
2.	Aisha Rashid Mohammed Al-Hashmi	<i>Monge's Method: Theory and Application</i>	2011
3.	Ashwaq Mahfoodh Hamed Al-Rwahi	<i>Monge's Method: Theory and Application</i>	2011
4.	<i>Maythaa Salim Mubarak AL-Shawili</i>	<i>Numerical Methods: Theory and Application</i>	2012

5.	Badriya Amer Yassir AL-Salmi	<i>Numerical Methods: Theory and Application</i>	2013
6.	Hiba Abdullah Suhail Qatamim Al-Marhoun	On Similarity Transformation method: Theory and Application	2014
7.	Hala Abdullah Suhail Qatamim Al-Marhoun	On Similarity Transformation method: Theory and Application	2014
8.	Zahra said Ali AL.Amri	Mathematical Modeling of Muscat's Population Growth	2016
9.	Aisha said Salim AL Harmi – ID:20189631	<i>A Mathematical Model for Tourism Growth at Salalaha</i>	2019
10.	Marwa Hunaid Saud Al Bassami – ID:25417799	A Mathematical Model for Tourism Growth at Salalaha	2019
11.	AFRA SAIF SAID ALSHABIBI – ID: 23448142	On Numerical Solutions of Ordinary Differential Equations: Theory and Applications	2020
12.	AMANI SAUD HAMDAN AL SAADI –ID: 15492599	On Numerical Solutions of Ordinary Differential Equations: Theory and Applications	2020
13.	KHOULA JUMA ALSENADI – ID: 20808347	On Numerical Solutions of Ordinary Differential Equations: Theory and Applications	2020
14.	AMAL AHMED SALIM ALSABARI - ID:13045069	On Numerical Integration Techniques: Theory and Applications	2020
15.	FATEMA AHMED MOHAMMED AL MAKHMARI – ID: 10106956	On Numerical Integration Techniques: Theory and Applications	2020
16.	IMAN 'ABDULLAH MOHAMMED AL HABSI, ID: I5709712	Numerical Techniques for Solving Ordinary Differential Equations: Initial Value Problems Runge - Kutta Methods	2021
17.	MARYAM HUMAID NASSER AL QASSAB, ID: 9342202	Numerical Techniques for Solving Ordinary Differential Equations: Runge - Kutta Methods Theory and Application	2021

18.	AFRAH HUMAID KHAMIS AL AAMRI, ID: 07818626	Numerical Techniques for Solving Ordinary Differential Equations: Runge - Kutta Methods Theory and Application	2021
19.	TAFOWL SALIM JUMA AL RUTALI, ID: 19410492	Numerical Techniques for Solving Ordinary Differential Equations: Initial Value Problems Multistep Methods	2021
20.	HIFAA SALIM RASHID AL MUZAINI, ID: 19427635	Numerical Techniques for Solving Ordinary Differential Equations: Initial Value Problems Multistep Methods	2021
21.	MARYAM SULAIMAN SALEEM AL AMRI, ID: 26680197	Numerical Techniques for Solving Ordinary Differential Equations: Initial Value Problems Multistep Methods	2021
22.	RAHMA SAID HAMED AL SHAUIBIA, ID: 20866954	On the Use of Similarity Transformations Method to Solve Ordinary Differential Equations	2022
23.	AAISHA HAMDAN SAQER AL SHAMSI, ID:12860854	On the Use of Similarity Transformations Method to Solve Ordinary Differential Equations	2022
24.	ASMAA HAMED ABDULLAH AL JARADI, ID: 22116664	On the Use of Similarity Transformations Method to Solve Ordinary Differential Equations	2022
25.	FATEMA AHMED MOHAMMED AL- MAKHMARI, ID: 10106956	On the Use of Similarity Transformations Method to Solve Ordinary Differential Equations	2022
26.	IMAN MOHAMMED AWADH AL ALAWI, ID: 13394774	On the Use of Similarity Transformations Method to Solve Ordinary Differential Equations	2022
27.	MARYAM JAFFER MOHAMMED AL AJMI, ID: 7464104	Similarity Transformations Method: An inviting and efficient method for solving partial differential equations	2022
28.	MIYTHA SAID MOHAMMED AL SINAIDI, ID: 22829646	Similarity Transformations Method: An inviting and efficient method for solving partial differential equations	2022
29.	HANAN AZAN SAID AL HANDHALI, ID: 18716293	Similarity Transformations Method: An inviting and efficient method for solving partial differential equations	2022

30.	SIHAM HAMED SAIF AL BUSAIDI, ID: 7621171	Similarity Transformations Method: An inviting and efficient method for solving partial differential equations	2022
31.	GHALIA OBIED ALHAJRI, ID: 10525961	Similarity Transformations Method: An inviting and efficient method for solving partial differential equations	2022
32.	FATMA MOHAMMED ABDULLAH AL HASHMI, ID: 12835439	Numerical Solutions for a Set of Algebraic Equations: Algorithm and Application	2022
33.	ARWA SAIF SAID AL MUGHTASI, ID: 8463656	Numerical Solutions for a Set of Algebraic Equations: Algorithm and Application	2022
34.	SAFA SAIF SALIM AL SUBHI, ID: 25203414	Numerical Solutions for a Set of Algebraic Equations: Algorithm and Application	2022
35.	MARYAM MOOSA NASSER AL BUSAIDI, ID: 12817813	Numerical Solutions for a Set of Algebraic Equations: Algorithm and Application	2022
36.	WEDAD MUSLEM SALIM AL FAZARI, ID: 19826785	Numerical Solutions for a Set of Algebraic Equations: Algorithm and Application	2022
37.	ASMA SAID SALIM AL HAJRI ID: 20218729	The Fundamentals of Fuzzy Matrix: Theory and Applications	2022
38.	JUHAINA SAID QAMASH AL AMRI ID: 9530517	The Fundamentals of Fuzzy Matrix: Theory and Applications	2022
39.	SUAAD SUWAILMIN HAMED AL KHUSAIBI ID: 13370413	The Fundamentals of Fuzzy Matrix: Theory and Applications	2022
40.	NEHAL ALI NASSER AL HATTALI ID: 23384269	The Fundamentals of Fuzzy Matrix: Theory and Applications	2022
41.	GHADA KHALIFA MUBARAK AL NOFALI ID: 11136974	The Fundamentals of Fuzzy Matrix: Theory and Applications	2022

(d) Team or collaborative efforts at the University of Nizwa

- Delivering several jointly seminars
- Development the curriculum of the mathematics degree plan
- Proposed and actively involved in the volunteer projects to the University of Nizwa.
- Actively involved in the culture week
- Chairing sessions of Education conferences at University of Nizwa
- Program Chair of ACIT2014 conferences.
- Development of strategic plan of Mathematical & physical Sciences Department and Asst. Dean for Graduate Studies & Research at University of Nizwa.
- Proposed two new programs for education department (B.Ed. basic education).
- Prepare a new Master program in Applied Mathematics at University of Nizwa (Approved 2020 by Ministry of Higher Education)

(e) Experience prior to joining Nizwa University

A- Dubai University/UAE

- 1- Teaching (Pre Math I- Pre Math II, Math's for business I , Math for business II, Math for sciences)
- 2- Academic Advisor for students
- 3- Member of the General education department board.

B- University of Al-Mustansiryha - College of Engineering & Sciences / IRAQ

1. Associate Prof. of Mathematics, College of Engineering, Al-Mustansiryha University, 2005-2007
2. Associate Prof. of Mathematics, College of Science, Al-Mustansiryha University, 2003-2005
3. Head of Mathematics Department, college of Science, Al-Mustansiryha University, 2002-2003
4. Asst. Dean of student's welfare, College of Engineering, Al-Mustansiryha University, 2001-2002
5. Manger of Scientific Affairs, College of Engineering, Al-Mustansiryha University, 2000-2001
6. Lecturer then Asst. Prof., College of Engineering, Al-Mustansiryha University, 1992-2002
7. Chairing several committees at Department, College and University level as well as at the Ministry level.

8. Teaching many courses for undergraduate as well as postgraduate like(Tensor analysis, Differential equation for engineering, ODE and PDE, Mathematical physics, Mathematical modeling, Mathematical methods, etc)
- 9. Supervised Ph. D students at Baghdad University, Al-Mustansiryha University, Iraq and MANONMANIAM SUNDARANAR UNIVERISY, India:**
- i. "Some relativistic models of charged fluid spheres in terms of differential equations", Athraa Ausama Kawam Al-Kildaar, Baghdad University, 2004.
 - ii. "Some exact spherical symmetric fields and core solutions in general relativity" Dhuha Majeed Saleh Al-Yassiri, College of Science, Al-Mustansiryha University, 2005.
 - iii. "Some Exact Solutions for Fluid Spheres in General Relativity", Smitha TT, MANONMANIAM SUNDARANAR UNIVERISY, India, 2014
10. Supervised several M Sc thesis at Al-Mustansiryha University, and Babylon University, Iraq:
- i. "Some exact solution for the spherically symmetric four-fold of Class one" Farah Yaseen, Al Mustansiryha University, Baghdad, IRAQ,(2006- 2009)
 - ii. "SERIES SOLUTION METHOD WITH APPLICATION TO SPHERICAL SYMMETRIC MODEL OF CLASS TWO" Arwa A Abdul Malik, Al Mustansiryha University, Baghdad, IRAQ, (2006- 2009)
 - iii. "Handwritten Numeral Recognition using Fuzzy Logic", Anwar Hassan Mahdy, College of Science, Al-Mustansiryha University, 2005
 - iv. "Monge's Methods with its application to radiating fluid spheres in general relativity", Mohammed A. H. Sarhan Al-Ani, College of Science, Al-Mustansiryha University, 2005
 - v. "Artificial Neural Networks for face recognition application", Muna Abdul Al-Hussain, College of Science, Al-Mustansiryha University, 2004
 - vi. "Symmetry methods for solving second order ordinary differential equations", Abdul Hakim Abdullah Ahmed (On leave study, Yemen), College of Science, Al-Mustansiryha University, 2004
 - vii. "On similarity solutions of second order differential equations", Ahmed Najim Abdullah, College of Education, Babylon University, 2003

A2.2 CURRICULUM DEVELOPMENT AND CONFERENCES MANAGING

- 1- Developed the curriculum of the mathematics section plan degree at UON. (2009, 2010, 2012, 2013, 2014, 2020)
- 2- Proposed Master degree and revised its curriculum, 2020.
- 3- Program chair of International Arab Conference on Information Technology (ACIT2014) Dec. 9-11, 2014, University of Nizwa, OMAN.
- 4- Vice chair of the 4th International Conference of the Department of Education and Cultural Studies in Collaboration with the Scientific Society of Colleges of Education in Arab Universities. Conference Title: The Teacher: preparation and lifelong learning in a changing world, 1-3/March, 2016, University of Nizwa, Oman
- 5- Vice chair of the 1st International Conference of the Department of Arabic Languages, 28th-30th of Nov.,2016, University of Nizwa, Oman

A2.3 SCHOLARSHIP IN TEACHING

- Several lecture notes have been prepared for several courses.
- Actively involved in teaching and research.
- The evaluations of teaching quality achieve an average of more than 80%

A2.4 Teaching outside of the course/ classroom

- I have assigned office hours for the students as well as assign some extra hours for help and support our students.
- Actively involved in advising my students as well as support others. In addition, I served as college academic advisor from 2011-2016.
- Actively involved in all DMPS, College as well as University activities.
- Conduct several workshops, lectures and seminars to the community.

A2.5 STUDENTS EVALUATIONS

The average of student evaluation for the past three years above 81%

No.	Semester	Total Enrolled Students	Participating Rate	Overall Average
1	Summer 2020-2021	213	86.47	80.61%
2	Spring 2020-2021	396	96.2	76.67%

3	Fall 2020-2021	397	90	80.8%
4	Summer 2019-2020	122	49.9	78.8%
5	Spring 2019-2020	398	81.01	81.59
6	Fall 2019-2020	396	82.76	82.81%
7	Spring 2020-2021	339	77.93	85.59%
8	Fall 2020-2021	290	84.96	81.92%
10	The Average for last Three years			81.098%

Research Activities

(includes but not limited to research interests, conference attendance, conference presentations and publications: refereed journal, articles, books, etc.)

RESEARCH INTERESTS:

GRG, Modeling, Astrophysics and Space Sciences, ANN, Fuzzy Logic, Numerical Analysis, Mathematical Physics, etc.

CONFERENCE PRESENTATIONS:

1. Mahmood K Jasim, "Numerical simulations of charged analogues of isentropic super-dense star model" The 2nd International Conference on Numerical analysis and Optimization (NAO11), 3-6/ Jan. 2011.
2. Mahmood K Jasim, "On Lie's reduction theorem through an application non-conformal accelerating and shearing fluid spheres" presented at international conference on Analysis and Applications (ICAA2010), Muscat, OMAN.
<http://www.squ.edu.om/portals/87/conference/ICAA10/conference2010/ICAA10.html>.
3. Dhuha M Salih, Mahmood K Jasim, Smitha T, "On Lie's reduction theorem through an application for a relativistic radiating fluid spheres model" presented at international conference on computing organized by advanced computing research society at IDSA, New Delhi, India, 27th-28th Dec. 2010.
4. Mahmood K Jasim, "A generalized exact solution for a spherical symmetric perfect fluid model of embedding class two" poster at 3rd Astrophysics of Neutron stars workshop, August 31st – Sept. 4th, 2009, Istanbul, Turkey.

5. M K Jasim, Arwa A , "Some exact solution of fluid spheres model of class two", presented in the 3rd international conference, Al Ain, UAE, 2008.
6. Mahmood K Jasim, Shatha Sami, "On the symmetry solution of Vaidya-Tikekar isentropic super dense star" Published in the proceeding of Six Jordanian International congress of Mathematics (SJICM), 2004.
7. Dhiaa Wajid Abood, M K Jasim , "On the internal design of controlled heating of building" published in the proceeding of the second symposium on scientific research outlook in the Arab World, 24-27 March, Sharjha, UAE, 2002.
8. M K Jasim, "On hyperboloid models for super dense star" published in the proceeding of the national conference on recent development in math's, Sep. 28-29, Al-Mustansiryha University, Iraq, 2001.
9. Gupta Y K, M K Jasim , "Some non-conformally perfect fluid solutions of imbedding class one" published in the proceeding of the national conference on recent development in gravitation and cosmology, Aug. 31-Sep. 2, AMU, India, 1999
10. Gupta Y K, M K Jasim, "Some similarity solutions for accelerating fluid plates of imbedding class one" published in the proceeding of the national symposium on current trends in gravitation and cosmology, Jan.20-21, DDU, India, 1999
11. Gupta Y K, M K Jasim, "On conformally flat radiating fluid spheres" published in the proceeding of the international conference GR15, Dec.16-21, Pune, India, 1997.

Gupta Y K, M K Jasim, "Most general exact solution for V-T isentropic super dense star" published in the proceeding of the international conference GR15, Dec.16-21, Pune, India, 1997

CONFERENCE ATTENDANCE:

1. The IIT Kanpur conference, India, 1989
2. Iraqi conference on math's, Iraq, 1993
3. Iraqi conference on Engineering, Iraq, 1995
4. Math's conference, Roorkee, India, 1996
5. Recent development of math's analysis in industrial problems, BHU, India, 1998
6. Recent development of Relativity and cosmology, AMU, India, 1999
7. National Symposium on current trends in Gravitation and Cosmology, India, 1999
8. Summer University, Lebanon, 2001
9. Iraqi conference on math's, Iraq, 2001, 2002
10. The Six Jordanian International congress of Mathematics (SJICM), 2004
11. The 3rd international conference, Al Ain, UAE, 2008
12. International Conference on Analysis and Applications (ICAA2010) at Sultan Qaboos University (Muscat, Oman, January 24-26, 2010)

13. International Conference on Numerical Analysis and Optimization (NAO11) at Sultan Qaboos University (Muscat, Oman, January 03-06, 2011)
14. International Workshop on Solution of Differential Equations from Transform Techniques SDETT-2014 (30 Jan - 1 Feb' 2014) Islamabad, PAKISTAN
15. Program chair of International Arab Conference on Information Technology (ACIT2014) Dec. 9-11, 2014, University of Nizwa, OMAN.
16. International Arab Conference on Information Technology (ACIT2015), Dec. 15-17, 2015, Isra University/ Jordan.
17. National Conference on Information System Trends (NIST 2016), 11th Feb. 2016, University of Nizwa, Oman.
18. Vice chair of *The 4th International Conference of the Department of Education and Cultural Studies* in Collaboration with the Scientific Society of Colleges of Education in Arab Universities. Conference Title: The Teacher: preparation and lifelong learning in a changing world, 1-3/March, 2016, University of Nizwa, Oman
19. Vice chair of *the 1st International Conference of the Department of Arabic Languages*, 28th-30th of Nov.,2016, University of Nizwa, Oman
20. Virtual international seminar (VIS 2020), 1-2, September, 2020
21. Keynote speaker of 3rd Al-Noor International Conference for Science and Technology (3NICST2021), Technology University, 12, August 2021

PUBLICATIONS:

1. Study on anisotropic star in extended teleparallel gravity with minimal matter coupling, Accepted for Publication Chinese Journal of Physics, (Elsevier journal, Scopus, Impact No. 3.237), 2022
2. Structural properties of charged compact stars with color-flavour-locked quarks matter, Published Modern Physics Letters A Vol. 36, No. 32, 2150227 (2021) (Word Scientific Publishing Company, SCOPUS, SCI), (Impact Factor: 2.066) <https://doi.org/10.1142/S0217732321502278>
3. Embedding Class I solution in 5D Einstein-Gauss-Bonnet gravity, Published Modern Physics Letters A VOL. 36, NO. 32, (Word Scientific Publishing Company, SCOPUS, SCI), 2150231, 2021, (Impact Factor: 2.066) <https://DOI: 10.1142/S021773232150231X>
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5. Wormholes in $f(R, T)$ gravity satisfying the null energy condition with isotropic pressure, Published Annals of Physics Journal, 433, 2021, 168575. <https://doi.org/10.1016/j.aop.2021.168575> , (Elsevier journal, Scopus, SCI, Impact No. 2.73)

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22. Some New Similarity Solutions of Einstein Field Equations for Spherical Symmetric Fluid Spheres Model of Class Two, Applied Mathematics and Computation 253 (2015) 242–247, Elsevier (Impact Factor: 4.019)
23. Two New Exact Solutions for Relativistic Perfect Fluid Spheres through Lake’s Algorithm, Astrophysics Space Sci (2014) 355:2171, Springer. (Impact Factor: 1.83), DOI 10.1007/s10509-014-2171-9
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35. A non-linear Supervised ANN Algorithm for Face Recognition Model using Delphi Languages", Contemporary Engineering Sciences Journal, Vol. 4, no. 4, 177 – 186, 2011
36. A New Generating Solution of a Relativistic Radiating Fluid Spheres Model, Applied Mathematical Sciences, Vol. 5, no. 80, 4005 – 4014, 2011
37. An Extensive Study of Mathematical Wastewater Flow Model over Slime Layers”, Applied Mathematical Sciences, Vol. 5, no. 80, 3971 – 3979, 2011
38. On Lie’s Reduction Theorem through an Application for a Relativistic Radiating Fluid Spheres Model”, International Journal of Algorithms, Computing and Mathematics, Vol.4, No.1, Feb. 2011
39. Similarity Solutions for Relativistic Accelerating Fluid Plates of Embedding Class One Using Symbolic Computation", Advances in Theoretical Physics Journal, Vol. 4, no. 10, 449 – 466, 2010
40. On the Monge's method with its Application to the Conformally Space-time Metric”, Babylon University Journal, Vol. 12, No.3, 2006
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 46. On Artificial Neural Network for Face Recognition Application", College of Education Journal, Vol. 2, 2006
 47. Mathematical Model of Fixed Growth Biological System", College of Education Journal, Vol. 1, 2006
 48. New Charged Model Representing the Situation between the Gravitation Attraction and Electrostatic Repulsion", Engineering and Development Journal, Vol.6, No.1, Iraq, 2002
 49. On the Most General Exact Solutions for Buchdal's Spheres", Tata McGraw-Hill, www.tatamcgrawhill.com, 2001.
 50. On $G_3(2,S)$ Perfect Fluid Distribution of Embedding Class One with Non-vanishing Curvature Tensor", Progress of Mathematics journal, Vol. 32, No.2 Pp. 63-74, 1998
- 12.

A3.6 GRANT AND CONTRACT SUPPORT

Research Proposals Accepted/ Submitted		
Research Project Title	Funding Agency	Reference
1. A comprehensive study of exact solutions of Einstein's field equations in certain stellar models: An Astrophysical implication, total amount: 3000OR	TRC/PI	BFP/RGP/CBS/22/014
2. An extensive study of exact solutions of Einstein's field equations with antigravity and dark matter contributions" total amount: 2000 OR	UoN/PI Finished and its outcome 3 published papers	(URC-No 6/2/F2015)).

A3.8 RESEARCH ACTIVITIES:

- Member, Iraqi Society of Mathematics and Physics
- Member, Iraqi Society of Teachers
- Member, GRG International Society

- Member, American Association for Science and Technology (AASCIT)
- Member, Editorial Board of the *American Journal of Applied Mathematics (AJAM)*, <http://www.sciencepublishinggroup.com/j/ajam>
- Reviewer, Springer Journals
- Reviewer, The International Arab Conference of Information Technology (ACIT'2014)
- Reviewer, several of Elsevier Journals
- Reviewer, Measurements Elsevier Journal
- Reviewer for Malaysian journal of mathematical sciences, Institute for Mathematical Research (INSPEM), UPM, Malaysian
- Reviewer of Mathematics and System Science Journal, ISSN 2159-5291, USA
- Referee for Ph.D. thesis to award of Ph.D. Degree in Mathematics, IIT Roorkee, INDIA, 2012
- Editorial Board of the *American Journal of Applied Mathematics (AJAM)*, <http://www.sciencepublishinggroup.com/j/ajam>

CONFERENCE/ SEMINAR /WORKSHOP/ SHORT COURSE/TRAINING(AY20-21)

No.	Title	Date
1	Solving a second –order hypergeometric different equation by two-step method	International webinar (Al-Mustansiriyah University, Baghdad, Iraq), 19/10/2020
2	Gupta-Jasim Two-Step Method: Innovation, theory and application	UoN, 2020-2021
3	Anisotropic Compact Stars Model Using Two Steps Method	UoN, 2020-2021(4/3/2021)
4	Shadow of charged wormholes in Einstein-Maxwell-Dilaton theory	UoN, 2020-2021(15/4/2021)
5	From the Possibility to the Certainty of a Supermassive Black Hole	The National Academy of Sciences, India (NASI) - Delhi Chapter, 22/3/2021
6	Anisotropic Compact Stars Model Using Two Steps Method	International webinar Organized by the Department of Mathematics, The Islamia University of Bahawalpur, Pakistan, 4/3/2021

Faculty Administrative Experience

- Associate Professor of Mathematics, DMPS, College of Arts and Sciences, University of Nizwa, Oman, September 2008 – present
- Department Quality Officer 2021-present
- Assistant Dean, Graduate Studies and Research, College of Arts & Sciences, University of Nizwa September 2014 – January 22, 2017
- Head of Department, Mathematics and Physics, College of Arts and Sciences, University of Nizwa, December 2012 - September 2014
- College Academic Advisor, College of Arts and Sciences, University of Nizwa, November 2011 – December 2016
- Adjunct Professor, George Mason University, American University, RAK, UAE, Spring 2008
- Associate Professor, Mathematics, GED, Dubai University, UAE, 2007-2008
- Associate Professor, Mathematics, College of Engineering, Al-Mustansiryha University, 2005-2007
- Associate Professor, Mathematics, College of Science, Al-Mustansiryha University, 2003-2005
- Head of Department, Mathematics, College of Science, Al-Mustansiryha University, 2002-2003
- Assistant Dean, Students' Welfare, College of Engineering, Al-Mustansiryha University, 2001-2002
- Manger of Scientific Affairs, College of Engineering, Al-Mustansiryha University, 2000-2001
- Assistant Professor, College of Engineering, Al-Mustansiryha University, 1992-2002

Community Services

CONFERENCE/ SEMINAR /WORKSHOP/ SHORT COURSE/TRAINING(AY20-21)

No.	Title	Date
1	Solving a second –order hypergeometric different equation by two-step method	International webinar (Al-Mustansiriyah University, Baghdad, Iraq), 19/10/2020
2	Gupta-Jasim Two-Step Method: Innovation, theory and application	UoN, 2020-2021
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4	Shadow of charged wormholes in Einstein-Maxwell-Dilaton theory	UoN, 2020-2021(15/4/2021)
5	From the Possibility to the Certainty of a Supermassive Black Hole	The National Academy of Sciences, India (NASI) - Delhi Chapter, 22/3/2021
6	Anisotropic Compact Stars Model Using Two Steps Method	International webinar

		Organized by the Department of Mathematics, The Islamia University of Bahawalpur, Pakistan, 4/3/2021
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➤ Participation and Contribution in Committees at University, College and Department Levels

➤ No.	Title	Level
1	Redesign the M Sc. Mathematics Program and follow up the progress of program till approval	UoN/ 65 /2019 University level
2	DMPS Quality Assurance Officer: Following all issues related to QA and prepare almost all the related ADRI reports and following OP and its action plan.	Department Level
3	Department Graduate studies and Research Committee	Department Level
4	DMPS promotion committee	Department Level
5	Member of Cultural week and open day organized committee at mathematics section	Department Level
6	Member of DMPS- Curriculum Review Committee	Department Level
7	Member of DMPS- Peer Review Committee	Department Level
8	Member of CAS Quality Assurance committee	College level
9	CEMIS college promotion committee	University level
10	More than 28 ADRI reports relevant to different OAAA standards were written, as well as an action plan for the department and the college, which was highly praised by the Dean and CAS QAC.	Department and College level
11	Preparing a draft of the DMP OP and all of the ADRI reports that go with it.	Department Level

PROFESSIONAL SERVICE

Conduct several meetings with Oman Astronomical Society to setup a possibility of research cooperation and center of research at university of Nizwa.

Consultancy

Membership in Professional Bodies

- Member, Iraqi Society of Mathematics and Physics

- Member, Iraqi Society of Teachers
- Member, GRG International Society
- Member, American Association for Science and Technology (AASCIT)
- Member, Editorial Board of the *American Journal of Applied Mathematics (AJAM)*,
<http://www.sciencepublishinggroup.com/j/ajam>
- Reviewer, Springer Journals
- Reviewer, The International Arab Conference of Information Technology (ACIT'2014)
- Reviewer, several of Elsevier Journals
- Reviewer, Measurements Elsevier Journal
- Reviewer for Malaysian journal of mathematical sciences, Institute for Mathematical Research (INSPEM), UPM, Malaysian
- Reviewer of Mathematics and System Science Journal, ISSN 2159-5291, USA
- Referee for Ph.D. thesis to award of Ph.D. Degree in Mathematics, IIT Roorkee, INDIA, 2012
- Editorial Board of the *American Journal of Applied Mathematics (AJAM)*,
<http://www.sciencepublishinggroup.com/j/ajam>

Awards and Recognitions

A5 AWARDS AND RECOGNITIONS

No.	Title of Award	Awarded by
1	Nominate for Abdul Hameed Shoman Arab Researchers Award 2021	<i>Jordan 2021</i>
2	Nominate for TRC 2021 awards for the best published research paper	<i>TRC, Sultanate of Oman 2021</i> The Reference Number : <u>TRC-AS1348</u>
3.	A Certificate of Appreciation in recognition of the valuable contribution as the Keynote speaker at 3rd Al-Noor International Conference for Science and Technology (3NICST2021).	University of Technology, Iraq, 11-12 August 2021

