

Sunil Kumar Maurya Ph.D.

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Research Profile (Online)

- Google Scholar:** <https://scholar.google.com/citations?hl=en&user=p57AvhgAAAAJ>
Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=36183773200>
Research Gate: <https://www.researchgate.net/profile/S-Maurya-2>
Academia: <https://unizwa-om.academia.edu/DrSunilMaurya>
ORCID: <https://orcid.org/0000-0003-4089-3651>

Citation Source	Total Citation	H-Index
Google scholar	6504	44
Research Gate	5972	42
Scopus	5560	41

Research Records:

• Publications in Scopus/Web of Science (SCI/SCIE) Journals	202
• Accepted Papers in Scopus/Web of Science (SCI/SCIE) Journals	7
• Under Review Papers in Scopus/Web of Science (SCI/SCIE) Journals	12
• Under Preparation Papers for Scopus/Web of Science (SCI/SCIE) Journals	8
• Publications in Scopus/Web of Science (SCI/SCIE) Journals per Year at UoN	19
• International Collaborations with other Higher Educational or Research Institutes	30
• National Collaborations with other Higher Educational or Research Institutes	1
• Total Number of International Scientific Journals Serving as Reviewer	35
• Total Number of Supervised Undergraduate Students at UoN	52
• Undergraduate Student's Publications in Scopus/WoS (SCI/SCIE) Journals at UoN	8
• Total Number of Master Student Supervision as a Co-Supervisor	1
• Total Number of completed International Ph.D. Supervision as a Co-Supervisor	1
• Total Number of on-going International Ph.D. Supervision as a Co-Supervisor	2

Name of the Journals	Total Number of Publications
Physical Review D	3
Astrophysical Journal Supplement Series	1
Astrophysical Journal	3
Monthly Notices of the Royal Astronomical Society	4
Journal of Cosmology and Astroparticle Physics	4
European Physical Journal C	46
Classical and Quantum Gravity	4
Fortschritte der Physik - Progress of Physics	11
Physics of the Dark Universe	24
Journal of High Energy Astrophysics	5
Astroparticle Physics	2
Annalen der Physik	3
Chinese Journal of Physics	14
Chinese Physics C	4
Annals of Physics	5
Other Journals (General Relativity and Gravitation, Physica Scripta, Astrophysics and Space Science, IJMPD, IJGMMP, EPJP, EPJA, Pramana, CTP, Applied Mathematics and Computation, IJTP, et.)	74

A1. EDUCATION AND EMPLOYMENT INFORMATION

❖ Academic Qualification:

- Ph. D in Mathematics (Thesis Title: Some Exact Solutions for Charged and Uncharged Perfect Fluid Spheres in General Relativity), IIT Roorkee – India, March 2013
- M.Sc. in Mathematics, BHU – India, 2008
- B.Sc. in Mathematics and Physics, Lucknow University – India, June 2006

❖ Employment Information:

- Associate Professor at University of Nizwa (UoN), Nizwa 616, Sultanate of Oman from 14th March 2019 – Till date
- Assistant Professor at University of Nizwa (UoN), Nizwa 616, Sultanate of Oman from 14th September 2014 – 13th March 2019
- Assistant Professor at Sharda University, Noida 201306, U.P. India from 7th January 2013-09th September 2014
- Visiting Lecturer at ITM University, Gurgaon 122017, Haryana, India from July 2012-December 2012
- Senior Research Fellowship (SRF) cum Teaching Assistant (TA), I.I.T. Roorkee-247667, India from January 2011- June 2012
- Junior Research Fellowship (JRF) cum Teaching Assistant (TA), I.I.T. Roorkee- 247667, India from January 2009-December 2010

A2 TEACHING

A2.1 INSTRUCTION AND PROJECT SUPERVISION

(a) Credit courses at the UoN

No.	Course Code	Course Name	Credit Hours	No. of registered students	Actual Hours /week	Semester
1	MATH116	Pre-calculus	12	197	21	Fall 2014/2015
2	MATH211	Calculus I	4	32	3	Fall 2014/2015
3	MATH116	Pre/calculus	4	60	11	Spring 2014/2015
4	MATH211	Calculus I	8	62	10	Spring 2014/2015
5	MATH215	Differential Equations	3	5	4	Spring 2014/2015
6	MATH211	Calculus I	4	40	7.5	Summer 2014/2015
7	ECON227	Mathematical Economics	3	20	6	Summer 2014/2015
8	MATH116	Pre-calculus	11	180	21	Fall 2015/2016
9	MATH221	Foundation of Mathematics	3	15	4	Fall 2015/2016
10	MATH116	Pre-calculus	4	90	9	Spring 2015/2016
11	ECON227	Mathematical Economics	3	36	4	Spring 2015/2016
12	MATH323	Foundation of Analysis	1	3	2	Spring 2015/2016
13	ECON227	Mathematical Economics	3	28	10	Summer 205/2016

14	MATH212	Calculus II	4	70	14	Summer 2015/2016
15	MATH211	Calculus I (Lab)	1	53	4	Summer 2015/2016
16	MATH116	Pre-calculus	5	181	7	Fall 2016/2017
17	MATH221	Foundation of Mathematics	3	13	4	Fall 2016/2017
18	MATH340	Introduction to Number theory	3	8	4	Fall 2016/2017
19	MATH116	Pre-calculus	5	90	9	Spring 2016/2017
20	MATH211	Calculus I	5	51	5	Spring 2016/2017
21	ECON227	Mathematical Economics	3	47	4	Spring 2016/2017
22	MATH211	Calculus I	4	41	7.5	Summer 2016/2017
23	MATH215L	Differential Equations Tutorial	1	36	4	Summer 2016/2017
24	MATH212	Calculus II	3	22	5	Summer 2016/2017
25	MATH221	Foundation of Mathematics	3	47	4	Fall 2017/2018
26	ECON503	Mathematical Economics for master	3	4	4	Fall 2017/2018
27	MATH211	Calculus I	4	23	3	Spring 2017/2018
28	MATH315	Partial Differential Equations	3	24	4	Spring 2017/2018
29	MATH212L	Calculus II	1	37	2	Spring 2017/2018
30	MATH211	Calculus I	4	50	5	Fall 2018/2019
31	MATH116	Pre-calculus	4	90	5	Fall 2018/2019
32	MATH315	Partial Differential Equations	3	13	4	Fall 2018/2019
33	MATH221	Foundation of Mathematics	3	99	4	Fall 2018/2019
34	MATH340	Introduction to Number theory	3	1	4	Fall 2018/2019
35	MATH116	Pre-calculus	5	93	7	Spring 2018/2019
36	MATH221	Foundation of Mathematics	3	77	4	Spring 2018/2019
37	MATH315	Partial Differential Equations	3	26	4	Spring 2018/2019
38	MATH116	Pre-calculus	4	88	5	Fall 2019/2020
39	MATH221	Foundation of Mathematics	3	45	4	Fall 2019/2020

40	MATH315	Partial Differential Equations	3	47	4	Fall 2019/2020
41	MATH491	Topics in Mathematics	3	4	4	Fall 2019/2020
42	MATH116	Pre-calculus	3	92	3	Spring 2019/2020
43	MATH221	Foundation of Mathematics	3	40	4	Spring 2019/2020
44	MATH315	Partial Differential Equations	3	60	4	Spring 2019/2020
45	MATH491	Foundations of Analysis	1	39	2	Spring 2019/2020
46	MATH116	Pre-calculus	3	65	3	Fall 2020/2021
47	MATH221	Foundation of Mathematics	3	66	4	Fall 2020/2021
48	MATH315	Partial Differential Equations	3	41	4	Fall 2020/2021
49	MATH116	Pre-calculus	3	63	3	Fall 2020/2021
50	MATH221	Foundation of Mathematics	3	58	4	Fall 2020/2021
51	MATH116	Pre-calculus	3	47	5	Summer 2020/2021
52	MATH221	Foundation of Mathematics	3	33	4	Summer 2020/2021
53	MATH116	Pre-calculus	3	81	3	Fall 2021/2022
54	MATH221	Foundation of Mathematics	3	42	4	Fall 2021/2022
55	MATH116	Pre-calculus	3	34	3	Spring 2021/2022
56	MATH221	Foundation of Mathematics	3	113	8	Spring 2021/2022
57	MATH116	Pre-calculus	3	52	5	Summer 2021/2022
58	MATH221	Foundation of Mathematics	3	42	4	Summer 2021/2022
59	MATH116	Pre-calculus	4	101	5	Fall 2022/2023
60	MATH315	Partial Differential Equations	3	50	4	Fall 2022/2023
61	MATH221	Foundation of Mathematics	3	61	4	Spring 2022/2023
62	MATH315	Partial Differential Equations	3	48	4	Spring 2022/2023
63	MATH604	Theory of Differential Equation	3	1	3	Spring 2022/2023
64	MATH221	Foundation of Mathematics	3	63	4	Fall 2023/2024
65	MATH315	Partial Differential Equations	3	62	4	Fall 2023/2024
66	MATH221	Foundation of Mathematics	3	73	4	Spring 2023/2024

67	MATH315	Partial Differential Equations	3	80	4	Spring 2023/2024
68	MATH221	Foundation of Mathematics	3	34	4	Summer 2023/2024
69	MATH116	Pre-calculus	4	36	5	Summer 2023/2024
70	LOGI100	Introduction to Logic	3	55	4	Summer 2023/2024

(b) Non-credit courses and workshops

- Organized Workshop on Research Opportunities for FI Instructors at the UoN, April 04, 2023
- Organized a Workshop on “UoN e-Research Management” in University of Nizwa on November 17, 2016.
- Member of organizing committee for a workshop on “*On Knots and Manifolds*” in University of Nizwa on February 29, 2012
- Conducted a workshop on graduation project for CAS students to train them on “Writing Graduation Project Report” in collaboration with Deanship of Research on 14/12/2021
- Conducted workshop for undergraduate students at mathematics section on Graduation Project Regulations (Submission of URG Proposals) in TRC on February 3, 2022

(c) Post Graduate students at the UoN

The master program in mathematics started on Spring 2023 and one student enrolled in the program. I taught the course MATH604-Theory of Differential Equations in Spring 2023. However, I am supervising three international Ph.D. students as a co-supervisor whose details are given below:

❖ International Ph.D Students Supervision

Student Name	Supervisor Name	Co-Supervisor Name	Country	Start Semester
Ms. Simranjeet	Dr. Sacheendra Shukla	Dr. Sunil Kumar Maurya	India	Fall 2021/2022
Ms. Sweeti	Dr. Jitendra Kumar	Dr. Sunil Kumar Maurya	India	Fall 2022/2023
Mr. Sourav	Dr. Jitendra Kumar	Dr. Sunil Kumar Maurya	India	Fall 2022/2023

❖ Undergraduate Students Supervision at UoN

No.	Student Name	Project Title	Semester
1	Fatema Saif ali al Busaidi	Optimization technique- shortest route and maximal flow problems	Spring 2015/2016
2	Zahra Aamir saif al hatmi	Optimization technique- shortest route and maximal flow problems	Spring 2015/2016
3	Afrah Humaid Khamis al Aamri	Exact solutions of ordinary differential equations using change of dependent and independent variable method	Spring 2017/2018
4	Thuraia Ahmed said al Qasimi	Exact solutions of ordinary differential equations using change of dependent and independent variable method	Spring 2017/2018
5	Abdul Nasser	A Brief History of Babylonian, Egyptian, and Islamic Civilization Mathematics	Spring 2017/2018
6	Tahani Thani Ghashim al aamri	Shortest path and maximum flow algorithms and its applications	Spring 2018/2019
7	Maryam Mohammed Mansoor al Aghbari	A well behaved solution of the einstein field equation for compact star	Fall 2018/2019
8	Laila Sulaiman Said Al Farsi	Solution of einstein field equation: a minimal geometric deformation (MGD) approach	Spring 2020/2021
9	Asma Sulaiman Abdullah al Kindi	EGD solution for charged compact object	Spring 2020/2021
10	Maryam Rashid Salim al Hatmi	EGD solution for charged compact object	Spring 2020/2021
11	Asma Mohammed	Charged compact star model: a complete geometric deformation approach	Spring 2020/2021
12	Afrah Khalifa	Charged compact star model: a complete geometric deformation approach	Spring 2020/2021
13	Ruqaya Khalifa Mohammed Al Sharyani	Exact solution for anisotropic matter distribution for Einstein's field equations using minimal geometric deformation approach	Spring 2021/2022
14	Sara Salmeen Khamis Al Hosni	Exact solution for anisotropic matter distribution for Einstein's field equations using minimal geometric deformation approach	Spring 2021/2022
15	Wadhha Bakhit Saif Al Amri	Exact solution for anisotropic matter distribution for Einstein's field equations using minimal geometric deformation approach	Spring 2021/2022

16	Arwa Nasser Saif Al Saadi	Exact solution for anisotropic matter distribution for Einstein's field equations using minimal geometric deformation approach	Spring 2021/2022
17	Moza Salim Saud Al Hadhrami	Exact Solution of Differential Equation Corresponding to Einstein's GR via Extended Geometric Deformation Approach	Spring 2021/2022
18	Neda Humaid Hamed Al Hadifi	Exact Solution of Differential Equation Corresponding to Einstein's GR via Extended Geometric Deformation Approach	Spring 2021/2022
19	Azhar Zahir Abdullah Al Buraidi	Exact Solution of Differential Equation Corresponding to Einstein's GR via Extended Geometric Deformation Approach	Spring 2021/2022
20	Zahra Salim Sultan Al Amri	Exact Solution of Differential Equation Corresponding to Einstein's GR via Extended Geometric Deformation Approach	Spring 2021/2022
21	Hafsa Nasser Hamood Al Wardi	Exact Solution of Differential Equation Corresponding to Einstein's GR via Extended Geometric Deformation Approach	Spring 2021/2022
22	Anad Sultan Mansoor Al Ghufaili	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-gravitating Astrophysical Compact Star Models	Spring 2022/2023
23	Budoor Hafedh Salim Al Abri	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-gravitating Astrophysical Compact Star Models	Spring 2022/2023
24	Maeen Said Salim Al Shuali	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-gravitating Astrophysical Compact Star Models	Spring 2022/2023
25	Aatadal Issa Saleh Al Abri	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-gravitating Astrophysical Compact Star Models	Spring 2022/2023
26	Buthaina Abdallah Sulaiman Al Mayasi	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-gravitating Astrophysical Compact Star Models	Spring 2022/2023
27	Amal Jamil Saif Al Saadi	Study on Exact Solution of the Spherically Symmetric Einstein's Field Equation for Self-	Spring 2022/2023

		gravitating Astrophysical Compact Star Models	
28	Aalia Ali Nasser Al Busaidi	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
29	Jawaher Khatir Fairuz Al Hosni	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
30	Bushra Said Abdullah Al Zakwani	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
31	Maryam Sulaiman Hassan Al Omairi	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
32	Tasnim Mohammed Hamed Al-Kasbi	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
33	Al Yaa Sabih Khadim Al Zarii	Solution of Spherically Symmetric Astrophysical Stellar Model Using Gravitational Decoupling	Spring 2022/2023
34	Moza Khalfan Mohammed Al Habsi	Change of complexity in self-gravitating compact stellar system under gravitational decoupling	Spring 2022/2023
35	Sara Mohammed Ali Al Badri	Change of complexity in self-gravitating compact stellar system under gravitational decoupling	Spring 2022/2023
36	Maryam Abdul Aziz Abdallah Al-Alawiya	Change of complexity in self-gravitating compact stellar system under gravitational decoupling	Spring 2022/2023
37	Tasnim Mohammed Yahya Al Mukhaini	Change of complexity in self-gravitating compact stellar system under gravitational decoupling	Spring 2022/2023
38	Hajer Abdullah Said Al Malki	Change of complexity in self-gravitating compact stellar system under gravitational decoupling	Spring 2022/2023
39	Samaher Al Mur Humaid Alrawahi	Modeling of Stable Traversable Wormholes in Modified Gravity Theory and its Astrophysical applications	Spring 2023/2024
40	Asma Abdullah Khalfan Al Awii	Modeling of Stable Traversable Wormholes in Modified Gravity Theory and its Astrophysical	Spring 2023/2024

		applications	
41	Arwa Hassan Said Al Balushi	Modeling of Stable Traversable Wormholes in Modified Gravity Theory and its Astrophysical applications	Spring 2023/2024
42	Karima Saif Mubarak Al Hammadi	Modeling of Stable Traversable Wormholes in Modified Gravity Theory and its Astrophysical applications	Spring 2023/2024
43	Karima Saif Hamood Al Riyami	Role of Complexity Factor in Astrophysical System Under Gravitational Decoupling Formalism	Spring 2023/2024
44	Juhaina Rashid Masaaod Al 'Abri	Role of Complexity Factor in Astrophysical System Under Gravitational Decoupling Formalism	Spring 2023/2024
45	Zakiya Hamed Mohammed Al Hamhami	Role of Complexity Factor in Astrophysical System Under Gravitational Decoupling Formalism	Spring 2023/2024
46	Arwa Maharzi Khamis Al Subhi	Role of Complexity Factor in Astrophysical System Under Gravitational Decoupling Formalism	Spring 2023/2024
47	Rania Khalid Mahfoodh Alriyami	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024
48	Fakhriya Ali Said Al Maqbali	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024
49	Sumaiyah Mahmood Yousuf Al Azri	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024
50	Shahrazan Mohamed Saleh Al Harmali	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024
51	Asala Sultan Saif Al Rajaibi	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024
52	Hassna Khalaf Hamed Al Abri	Exact Solution for Anisotropic Model in Modified Gravity Theory	Spring 2023/2024

(d) Team or collaborative efforts at the UoN

- Preparation of all ADRI Reports for Strategic Plan and Operational Plan of Mathematical and Physical Sciences (2015-2020)
- Development of Strategic Plans and Operational Plan of College of Arts and Sciences (2020-2025)

- Actively involved in the Culture Week
- Committee Member in preparation a new Master Program in Applied Mathematics at UoN
- Actively involved in the volunteer program/projects to the University of Nizwa
- Actively involved in reviewing of CAS OP Plan for AY 2020-21, 2021-22, 2022-23 with CAS Quality Management Officer

(e) Experience prior to joining Nizwa University

- Assistant Professor at Sharda University, Noida 201306, U.P. India from 7th January 2013-09th September 2014
- Visiting Lecturer at ITM University, Gurgaon 122017, Haryana, India from July 2012-December 2012
- Senior Research Fellowship (SRF) cum Teaching Assistant (TA), I.I.T. Roorkee-247667, India from January 2011- June 2012
- Junior Research Fellowship (JRF) cum Teaching Assistant (TA), I.I.T. Roorkee- 247667, India from January 2009-Decemeber 2010

❖ Courses Taught Before Joining at the UoN

No.	Course Code	Course Name	Credit Hours	No of registered students	Actual Hours/ Week	Semester
1	ASL 101	Engineering Mathematics-I	4	90	8	Fall 2012/2013
2	SML 105	Business Mathematics	4	40	5	Fall 2012/2013
3	MTH 112	Engineering Mathematics-I	4	120	8	Spring 2012/2013
4	MTH 103	Probability and Statistics	4	52	5	Spring 2012/2013
5	MTH 219	Operations Research	4	62	5	Spring 2012/2013
6	MTH 112	Engineering Mathematics I	4	120	5	Summer 2012/2013
7	MTH 113	Engineering Mathematics II	4	120	5	Summer 2012/2013
8	MTH 217	Engineering Mathematics III	4	80	5	Summer 2012/2013
9	MTH 112	Engineering –Mathematics I	4	87	7	Fall 2013/2014
10	MTH 201	Discrete Mathematics	4	60	5	Fall 2013/2014
11	MTH 219	Operations Research	4	45	5	Fall 2013/2014
12	MTH 113	Engineering –Mathematics II	4	85	7	Spring 2013/2014
13	MTH 115	Bio-Mathematics-II	8	62	5	Spring 2013/2014

14	MTB 208	Modern algebra	4	5	5	Spring 2014/2015
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- **Engineering Mathematics-I:** Differential Calculus, Integral Calculus, Ordinary differential equations and Fourier series.
- **Engineering Mathematics-II:** Vector calculus, Partial Differential Equations and Laplace transforms.
- **Engineering Mathematics-III:** Matrix, Vector space and Complex analysis.

A2.2 Curriculum Development and Conferences Managing

- Developed the curriculum of Master Program for Mathematics section under the degree plan at UON. (2020)
- Curriculum Committee Review for Bachelor Program of Mathematics section (Jan 2020 to Jan 2021)
- Member of International Arab Conference on Information Technology (ACIT2014) Dec. 9-11, 2014, University of Nizwa, OMAN

A2.3 Scholarship in Teaching

- Lecture notes prepared for specific courses to improve the students understanding of the courses.
- Impaired students for teaching and research.
- The evaluations of teaching quality achieved 80%.
- Published 8 research papers from graduation project in reputed SCI/SCIE journals
- Received URG grant of 1475 OMR from TRC

A2.4 Teaching outside of the course/ classroom

- I have designated specific office hours for students related to teaching and research, in addition to allocating additional hours to provide support and guidance to our students.
- I engaged in providing guidance to my students and offering assistance to individuals.
- I actively participate in various programs organized by DMPS, as well as engage in extracurricular activities at both the college and university levels.
- Conducted a workshop on graduation project for CAS students to train them on “Writing Graduation Project Report” in collaboration with Deanship of Research

- Conducted workshop for undergraduate students at mathematics section on Graduation Project Regulations (Submission of URG Proposals) in TRC on February 3, 2022

A2.5 Students enrolled and Evaluations

No.	Semester	Total Enrolled Students	Overall Average
1	Fall 2019/2020	327	84%
2	Spring 2019/2020	331	80%
3	Spring 2020/2021	179	78%
4	Summer 2020/2021	160	78%
5	Fall 2021/2022	165	80%
6	Spring 2021/2022	260	73%
7	Summer 2021/2022	186	78%
8	Fall Semester 2022/2023	250	79%
9	Spring Semester 2022/2023	218	83%
10	Summer Semester 2022/2023	170	87%
11	Overall Average in last 10 Semesters		80 %

A3 Scholarship and Creative Activity

❖ Research interests:

Differential Equations, Lie Group of Transformation Method, Mathematical Physics, General relativity and Cosmology, Modelling of Compact stars, Astronomy and Astrophysics, Wormholes, Black holes, Modified gravity theory, Gravitational decoupling

A3.1 Published Papers in SCI/SCIE Journals

(Reputed and High Impact Factor Refereed Journal Papers)

1. G. Murtaza, A. Ditta, A. Ghaffar, G. Mustafa, S.K. Maurya, Farruh Atamurotov, Accretion mechanism for regular black holes with asymptotically Minkowski Cores and

improved Schwarzschild black holes, Chinese Journal of Physics, Vol. 91, p.p. 644 (2024), Impact Factor: 4.6, H-index: 60 (Taiwan)

2. **S.K. Maurya, Abdelghani Errehymy, K. N. Singh, Orhan Donmez, K. Sooppy Nisar, Mona Mahmoud**, Self-bound isotropic models in $f(Q)$ gravity and effect of $f(Q)$ parameter on mass-radius relation and stability of compact objects, Physics of the Dark Universe (Elsevier), Vol. 46, pp. 1011619 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
3. **Himanshu Chaudhary, Ujjal Debnath, S.K. Maurya, G. Mustafa, Farruh Atamurotov**, Addressing the rd tension using late-time observational measurements in a novel deceleration parametrization, Journal of High Energy Astrophysics (Elsevier), Vol. 43, pp. 268 (2024), Impact Factor: 10.2, H-index: 25 (Netherlands)
4. **Sneha Pradhan, Sunil Kumar Maurya, Pradyumn Kumar Sahoo, and Ghulam Mustafa**, Geometrically Deformed Charged Anisotropic Models in $f(Q, T)$ Gravity, Fortschritte der Physik - Progress of Physics (Wiley), Vol. 72, pp. 2400092 (2024), Impact Factor: 5.6, H-index: 71 (Germany)
5. **Sayani Maity, Himanshu Chaudhary, Ujjal Debnath, S.K. Maurya, G. Mustafa**, Constraining cosmological parameters with viscous modified chaplygin gas and generalized cosmic chaplygin gas models in Horava–Lifshitz gravity: Utilizing late-time datasets, Astroparticle Physics (Elsevier), Vol. 164, pp. 103026 (2024), Impact Factor: 4.2, H-index: 122 (Netherlands)
6. **Hira Sohail, Allah Ditta, Irfan Mahmood, S. K. Maurya, Yousef Mohammed Alanazi**, Rastall teleparallel gravity: gravitational decoupling with MGD approach, European Physical Journal Plus (Springer), Vol. 139, Article No. 695 (2024), Impact Factor: 2.8, H-index: 84 (United States)
7. **Jitendra Kumar, S.K. Maurya, Sourav Chaudhary, Abdelghani Errehymy, Kairat Myrzakulov, Zhanbala Umbetova**, Physically viable and stable charged perfect fluid solution within $F(Q)$ gravity, Physics of the Dark Universe (Elsevier), Vol. 46, pp. 101593 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
8. **S.K. Maurya, Abdelghani Errehymy, Mohammed Daoud, Kairat Myrzakulov, Zhanbala Umbetova**, Effect of torsion and electric charge parameters on the configuration of anisotropic compact stars in $f(T)$ gravity, Physics of the Dark Universe (Elsevier), Vol. 46, pp. 101586 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)

9. **Himanshu Chaudhary, Ujjal Debnath, Shibesh Kumar Jas Pacif, Niyaz Uddin Molla, Ghulam Mustafa, and Sunil Kumar Maurya**, Observational Constraints on the Parameters of Hořava–Lifshitz Gravity, *Annalen der Physik (Wiley)*, Vol. 536, pp. 2400181 (2024), Impact Factor: 2.2, H-index: 73 (Germany)
10. **G. Mustafa, Faisal Javed, S.K. Maurya, Arfa Waseem, Ghulam Fatima**, Imprints of dark energy models on structural properties of charged gravastars in extended teleparallel gravity, *Physics of the Dark Universe (Elsevier)*, Vol. 46, pp. 101574 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
11. **Ghulam Mustafa, Faisal Javed, Sunil Kumar Maurya, Abdelghani Errehymy**, New Embedded Wormhole Solutions in Ricci Inverse Gravity, *Annalen der Physik (Wiley)*, Vol. 536, pp. 2400155 (2024), Impact Factor: 2.2, H-index: 73 (Germany)
12. **Yihu Feng, Asifa Ashraf, Saadia Mumtaz, S.K. Maurya, G. Mustafa, Farruh Atamurotov**, Orbital motion and epicyclic oscillations around Bardeen black hole surrounded by perfect fluid dark matter, *Journal of High Energy Astrophysics (Elsevier)*, Vol. 43, pp. 158 (2024), Impact Factor: 10.2, H-index: 25 (Netherlands)
13. **Y. Sekhmani, G.G. Luciano, J. Rayimbaev, M.K. Jasim, A. Al-Badawi, S.K. Maurya**, Topological AdS black holes surrounded by Chaplygin dark fluid: From stability to geometrothermodynamic analysis, *Physics of the Dark Universe (Elsevier)*, Vol. 46, pp. 101567 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
14. **Sourav Chaudhary, S.K. Maurya, Jitendra Kumar, Sweeti Kiroriwal**, Physically viable traversable wormhole solutions and energy conditions in $F(R, T)$ gravity within R^2 formalism via specific form of shape functions, *Physics of the Dark Universe (Elsevier)*, Vol. 46, pp. 101565 (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
15. **G. Mustafa, S. K. Maurya, A. Ditta, Saibal Ray, Farruh Atamurotov**, Circular orbits and accretion disk around AdS black holes surrounded by dark fluid with Chaplygin-like equation of state, *European Physical Journal C (Springer)*, Vol. 84, Article No. 690 (2024), Impact Factor: 4.2, H-index: 193 (Germany)
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A3.1.1 Published Papers with Undergraduate Students in SCI/SCIE Journals (Published Papers from Student’s Graduation Projects in reputed and high impact factor refereed journals)

- 1. Maeen Al Shuali, S. K. Maurya, Aatadal Al Abri, Anad Al Ghufaili, Budoor Al Abri, Buthaina Al Mayasi, and Amal Al Saadi,** Relativistic Anisotropic Solution Satisfying Vanishing Complexity Condition, International Journal of Geometric Methods in Modern Physics, Impact Factor: 1.8, H-index 39 (United Kingdom)

2. **Aalia Al Busaidi, Jawaher Al Hosni, S K Maurya, Alyaa Al Zarii, Tasnim Al-Kasbi, Maryam Al Omairi, Bushra Al Zakwani and M K Jasim**, Complexity-free Vaidya-Tikekar model describing self-bound compact objects by gravitational decoupling, *Physica scripta*, IOP sciences, Vol. 98, 075302 (2023) Impact Factor: 3.08, H-index: 85 (United Kingdom)
3. **Al Habsi, S. K. Maurya, Sara Al Badri, Maryam Al-Alawiya, Tasnim Al Mukhaini, Hajer Al Malki, G. Mustafa**, Self-bound embedding Class I anisotropic stars by gravitational decoupling within vanishing complexity factor formalism, *European Physical Journal C* (Springer), Vol. 83, Article No. 286 (2023), Impact Factor: 4.99, H-index: 188, (Germany)
4. **Moza Al Hadhrami, S. K. Maurya, Zahra Al Amri, Neda Al Hadifi, Azhar Al Buraidi, Hafsa Al Wardi, Riju Rag**, Spherically symmetric Buchdahal type model via extended gravitational decoupling, *Pramana Journal of Physics* (Springer), Vol. 97, Article No. 13 (2023), Impact Factor: 2.699, H-index: 54 (India)
5. **S. K. Maurya, Arwa Al Saadi, Wadhha Al Amri, Sara Al Hosni, and Ruqaya Al Sharyani**, Vaidya-Tikekar type anisotropic fluid model by gravitational decoupling, *Physica Scripta*, IOP Sciences, Vol. 97, Article No. 105002 (2022), Impact Factor: 3.08, H-index: 85 (United Kingdom)
6. **S. K. Maurya, Asma Sulaiman Al Kindi, Maryam Rashid Al Hatmi, Riju Nag**: Complete deformed charged anisotropic spherical solution satisfying Karmarkar Condition, *Results in Physics* (Elsevier) Vol. 27, Article No. 104674 (2021), Impact Factor: 4.476, H-index: 56 (Netherlands)
7. **S. K. Maurya, Asma Mohammed Al Aamri, Athari Khalifa Al Aamri, Riju Nag**: Spherically symmetric anisotropic charged solution under complete geometric deformation approach, *European Physical Journal C* (Springer) Vol. 81, Article No. 701 (2021), Impact Factor: 4.59, H- index: 198 (Germany)
8. **S. K. Maurya, L. S. S. Al-Farsi**: Minimally deformed charged anisotropic spherical solution, *European Physical Plus* (Springer), Vol. 136, Article No. 317 (2021), Impact Factor: 3.23, H index: 46 (United States)

A3.1.2 Accepted Papers in SCI/SCIE Journals (Reputed and High Impact Factor Refereed Journal Papers)

1. **Sourav Chaudhary, Sunil Kumar Maurya, Jitendra Kumara, and Ghulam Mustafa,** Most general isotropic charged fluid solution for Buchdahl model in $F(Q)$ gravity, Journal of Cosmology and Astroparticle Physics (IOP Science), Vol. pp. (2024), Impact Factor: 5.3, H index: 141 (UK)
2. **S. K. Maurya, Ksh. Newton Singh, G. Mustafa, M. Govender, Abdelghani Errehymy, Abdul Aziz,** Influence of pressure anisotropy on mass-radius relation and stability of millisecond pulsars in $f(Q)$ gravity, Journal of Cosmology and Astroparticle Physics (IOP Science), Vol. pp. (2024), Impact Factor: 5.3, H index: 141 (UK)
3. **S. K. Maurya, Abdelghani Errehymy, Ksh. Newton Singh, Abdul Aziz, Sudan Hansraj, Saibal Ray,** Modeling Compact Object Mergers GW190814 and GW200210 and Other Self-bound Compact Stars with Dark Matter Induced by Gravitational Decoupling and Its Significance to Mass-gap, The Astrophysical Journal (American Astronomical Society-IOP Publishing), Vol. ..., (2024), Impact Factor: 4.8, H-index: 479 (United Kingdom)
4. **Sourav Chaudhary, S K Maurya, Jitendra Kumar, Sweeti Kiroriwal,** Traversable wormhole solutions with phantom fluid in modified $f(R, T)$ gravity, Pramana - Journal of Physics (Springer Verlag), Vol. ..., (2024), Impact Factor: 1.9, H-index: 61 (India)
5. **Rajesh Kumar, S. K. Maurya, Abdelghani Errehymy, Kairat Myrzakulov, Zhanbala Umbetova, V. N. Pathak,** Anisotropic model of stellar objects in modified $f(R)$ gravity, Chinese Journal of Physics, Vol. ..., p.p. .. (2024), Impact Factor: 4.6, H-index: 60 (Taiwan)
6. **Abdelghani Errehymy, S. K. Maurya, K. Boshkayev, Abdel-Haleem Abdel-Aty, H. I. Alrebdi, Mona Mahmoud,** Exploring the physical properties of anisotropic compact objects and constraining their mass-radius relations beyond standard limit in $F(Q)$ gravity, Physics of the Dark Universe (Elsevier), Vol. ..., pp. .. (2024), Impact Factor: 5.0, H-index: 52 (Netherlands)
7. **Farzan Mushtaq, Xia Tiecheng, Allah Ditta, G. Mustafa, S. K. Maurya,** Deflection angle and quasi-periodic oscillations of extended gravitational decoupled black hole solution, Communications in Theoretical Physics (IOP Sciences), Vol..., pp. (2024), Impact Factor: 2.4, H-index: 64 (UK)

A3.2 Submitted Articles

❖ Submitted papers in different journals:

Journal Name	No. of Submitted Papers
i. European Physical Journal C	5
ii. Physics of the Dark Universe	6
iii. Physics Letter B	1
iv. Chinese Physics C	2
v. Chinese Journal of Physics	1
vi. Physica Scripta	1
vii. Journal of High Energy Astrophysics	6
viii. Nuclear Physics B	2
ix.	
Total	24

A3.3 Books and Chapters in Books

1. Book Chapters are under preparation on Gravitational Decoupling (GD) Method on Modified gravity theory

A3.4 Conference Proceedings

❖ Published Conference Papers in Scopus Journals

1. **Simranjeet Kaur, S.K.Maurya, Satchendra Shukla**, Vaidya Tikekar type anisotropic fluid star in $f(\mathcal{R}, T)$ theory, AIP Conference Proceedings, Vol. 3087, pp. 030001 (2024), H-index: 83 (United States)- (12–14 October 2022 Dehradun, India)
2. **S. K. Maurya, Y.K. Gupta**: Analytic well behaved charged relativistic charged super-dense star models, Procedia Engineering, Vol. 38, pp. 1233 – 1240 (2012) (Netherlands).
3. **Y.K. Gupta, Alka and S. K. Maurya**: Generalised Buchdahal Solution via Solution Generating Scheme, Procedia Engineering, Vol. 38, pp. 3074 – 3085 (2012) (Netherlands)

❖ Paper Presented in Conferences (only published abstracts)

1. Paper presentation in “4th International Conference on Astrophysics and Particle Physics” San-Antonio, USA from 13-15 Nov. 2017

2. S. K. Maurya, Anisotropic Self-Gravitating System Class I Stellar Model: An Extended Gravitational Decoupling Approach, International Conference on Physics and its Applications, July 18 -21, 2022 in San Francisco, CA 94010 USA, <https://physics.unitedscientificgroup.org>
3. S. K. Maurya, spherically symmetric exact complexity free anisotropic solution in modified gravity theory: A complete geometric deformation method, International Conference on Mathematics, Computation and Complex Systems (ICMCCS - 2024) 14th - 15th March 2024 | Abu Dhabi, UAE

❖ Invited Speaker

1. Delivered a talk on “Gravitational decoupling approach in GR and modified gravity theories at the National Conference on Relativistic Astrophysics and Cosmology (NCRAC) 29 Feb - 01 March 2024 as an invited speaker Organized By: Department of Physics, Malda College and ICARD, NBU-INDIA,
2. Delivered a talk on “Exploring Decoupling Process in General Relativity and Other Modified Gravity Theories” at the International e-conference on “SPECTRUM OF PHYSICS: Particles to Universe” as an invited speaker organized by Lajpat Rai College, Sahibabad, India in collaboration with Indian Youth Nuclear Society (IYNS) from 20th-22nd May 2024.

A3.5 Conference/Webinar/Live Session Attendance

1. Participated in “INTERNATIONAL CONGRESS OF MATHEMATICIANS 2010” held at Hyderabad, India from 19 – 27 August 2010.
2. “ON GENERALIZATION OF VAIDYA-TIKEKER SUPER-DENSE STAR IN GENERAL RELATIVITY” Poster Presented at International Conference & Homboldt Kolleg held at Lucknow, India from 24 – 27 February 2010.
3. Participated in the Workshop on “Study Group Meeting on Industrial Problems” held at Indian Institute of Technology Roorkee organized by Department of Mathematics, IIT Roorkee in collaboration with IMG, IIT Bombay and OCCAM, U.K. (March 16-21, 2009).
4. Participated in the “Workshop on Differential Geometry” held at Banaras Hindu University, Varanasi organised by DST- Centre for Interdisciplinary Mathematical Science (DST-CIMS), BHU (May 02-11, 2011).
5. Participated in the Workshop on “Linear and Nonlinear Systems” held at Banasthali Vidyapith, Varanasi organized by Centre for Mathematical Science (CMS)- Banasthali Vidyapith (Dec. 15-19, 2011).

6. Participated as an organizer in “15th international Arab Conference on Information Technology (ACIT2014)” University of Nizwa- Oman, College of Computing and Information Society (CCIS) on December 9-11, 2011.
7. Participated in the Sharjah International Conference for Water, Energy & Climate Change, 25-28 October 2021
<https://www.sharjah.ac.ae/en/Media/Conferences/WECC2021/Pages/default.aspx>
8. Participated in Webinar on “How to Publish open Access with IEEE to increases Exposure and impact of Your Research” by 29 September 2021
9. Participated in a Live interactive section on Research Writing, Journal Review, and Handling Rejection by *Enago* on 15 Sept. 2022
10. Participated in a IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors by *IEEE* 28 September 2022
11. Participating in the session “What can COVID-19 teach us about making research on climate change open access” powered by Editage, Impact Science, and R Discovery on the 28th of October, 2022
12. Participating in the Webinar “MDPI Dark Matter Day” organized by MDPI, on the 31st Oct. 2023.
- 13.

A3.5 Grant and Contract support

Application Date	Title	Amount in USD	Internal/External	Status Completed/ Approved/ Proposal
Dec. 2019	The Astrophysical and Cosmological implications: From Dark Energy to Modified Theory of Gravity- Proposal ID: BFP/RGP/CBS/19/099	19,504 USD	External (TRC)	Completed (June 2022)
Sept. 2021	Nanofluid convective flow and heat transfer controlled by some external and internal forces with a realistic approach-	1040 USD	Internal (UoN)	Approved and in process

	Proposal ID: A/2021-2022-UoN/3/ CAS/IF			
Dec. 2022	The Study of Exact Solutions for Self-Gravitating Stellar Objects and their Astrophysical Implications- Proposal Id: BFP/RGP/CBS/22/014	9870 USD	External (TRC)	Approved and in process
Dec. 2022	Change in Complexity of Self-Gravitating Compact Stellar Model Under Gravitational Decoupling Proposal ID: BFP/URG/CBS/22/133	3831 USD	External (TRC)	Approved and in process
Sept. 2015	An extensive study of exact solutions of Einstein's field equations with antigravity and dark matter contributions (URC-No 6/2/F2015)	5,190 USD	Internal (UoN)	Completed (Sept. 2017)

A3.5 Intellectual property development

- The application for the development of intellectual property is currently being processed. The propose submission deadline for this may be at the end of October, 2023.

A3.6 Other information

- Ph. D. Thesis Evaluation (50 OMR Paid) in AY. 2022-2023
- External Reviewer of Project Evaluation for Czech Science Foundation (41 OMR to be Paid) in AY 2022-23
- External Reviewer for Proposal submitted to the 2021 FONDECYT Regular Competition belongs to National Fund for Scientific and Technological Development (FONDECYT) in AY 2020-21 (Not-Paid)
- Reviewer of TRC Projects in AY 2019-20 and 2021-22 (Not-Paid)

A4 SERVICES

A4.1 University administration and Committees:

- **Head of Department**, Department of Mathematical and Physical Sciences, (March 2017 – January 2018)
- **Assistant Dean for Post-Graduate Studies and Scientific Research**, College of Arts and Sciences, (Feb. 2021 – Present)
- **Severe as Acting Dean**, College of Arts and Sciences [August 1, 2021- August 26, 2021; July 31, 2022- August 27, 2022; & July 10, 2023 – August 24, 2023)
- **Severe as Acting Assistant Dean for Undergraduate Studies**, College of Arts and Sciences (June 15, 2021- July 3, 2021; August 15, 2021 – September 9, 2021; & June 16, 2023 – August 31, 2023)
- **Severe as Acting Assistant Dean for Training**, College of Arts and Sciences (July 25, 2021– September 9, 2021)
- **Graduation Project Officer**, College of Arts and Sciences (May 2023 – Present)
- Member of Final Year Project Committee (DMPS) (2015-2018)
- Member of Cultural Week (2014-2020)
- Chair of Department Graduate Studies and Research Committee (Sept. 2015 – Feb. 2018)
- Chair of Department Annual Report Committee (Sept. 2015 - Mar. 2017 & Feb. 2018- Jan.2021)
- Member College Post-Graduate Studies and Research Committee (Sept. 2015–Feb. 2018)
- Department Chair of Quality Assurance committee (Jan. 2020 – Jan. 2021)
- Member of Department Curriculum Committee (Jan. 2020 – Jan. 2021)
- Member of Department Faculty Peer Review Committee (Jan. 2020 – Jan.2021)
- Member of College Quality Assurance committee (Jan. 2020 – Jan.2021)
- Member of College Accreditation Task Force (Jan. 2020 – Present)
- Member of E-Leaning Task Force (Feb. 2021 – Present)
- Chair of College Post Graduate Studies and Research Committee (Feb.2021 – Present)
- Chair of College Annual Report Committee (Feb. 2021 - Present)
- Chair of College Graduation Project Committee (March 2021 – Present)
- Member of University Graduation Project Committee (May. 2023 – Present)
- Member and Convener of University Post-Graduate Studies Executive Committee (Oct. 2021 to till date)

- Member of College Board (Feb. 2021 - Present)
- Member and Convener of College Executive Board (Feb. 2021 – Present)
- Member of University Executive Research Board (Feb. 2021 – Present)
- Member, CAS Board (2021 – Present)
- Member, CAS Task Force on Quality Assurance and Accreditation (2021 – Present)
- Member, CAS Task for on E-Learning (2021 – Present)

A4.2 Professional Services

❖ Reviewers:

- Modern Physics Letters A (World Scientific)
- International Journal of Modern Physics A (World Scientific)
- Chinese Journal of Physics (Elsevier)
- Physics of the Dark universe (Elsevier).
- European Physical Journal C (Springer).
- Classical and Quantum Gravity (IOP science)
- Astropartical Physics (Elsevier)
- Astrophysics and space sciences (Springer).
- International journal of theoretical physics (Springer).
- Applied Mathematics and computation (Elsevier).
- Chinese Physics C (IOP science)
- Canadian Journal of Physics
- International Journal of Modern Physics –D (World Scientific)
- Physica Scripta (IOP Science)
- Annals of Physics (Elsevier),
- Astronomische Nachrichten (John Wiley & Sons Ltd)
- Chinese physics letter (IOP Science)
- Indian Journal of Physics (Springer)
- General Relativity and Gravitation (Springer)
- European journal of Physics (Springer)
- Results in Physics (Elsevier)

- Pramana Journal of Physics (Springer)
- European journal of Plus (Springer)
- Scientific Reports (Nature Publication)
- Fortschritte der Physik - Progress of Physics (Wiley publication)
- Int. J. of Geometric Methods in Modern Physics (World Scientific)
- Int. J. of Information Technology and Decision Making (World Scientific)
- Universe (MDPI)
- Symmetry (MDPI)
- Knowledge-Based Systems (Elsevier)
- Engineering Applications of Artificial Intelligence (Elsevier)
- Communication on Theoretical Physics (IOP science)
- Journal of Cosmology and Astroparticle Physics (IOP science)
- Advances in Astronomy (Frontiers)
- Applied Sciences (MDPI)
- Open Physics (Walter de Gruyter GmbH)

❖ **Editorial Board Member:**

- International Journal of Modern Physics and Application.
- Editorial member: SCIREA Journal of Mathematics
- American Journal of Astronomy and Astrophysics(AJAA); ISSN Print: 2376-4678, ISSN Online: 2376-4686
- International Journal of Astrophysics and Space Science(IJASS); ISSN Print: 2376-7014, ISSN Online: 2376-7022
- Current Indian Science: Astronomy and Astrophysics (CIS)
- Editorial Board Member" for "International Conference on High Energy Physics.

❖ **Guest Editor of Special Issue:**

- Special Issue on "Application of Symmetry in Gravity Researches"- Symmetry Journal (MDPI) https://www.mdpi.com/journal/symmetry/special_issues/HSZ53RCBTQ
- **Member of Organizing Committee of '4th International Conference on Astrophysics and Particle Physics', December 03-05, 2018 Chicago, Illinois, USA.** <https://astrophysics.conferenceseries.com/organizing-committee.php>

A4.3 Service to Public

1. Organized Workshop/Seminar on Research Opportunities for FI Instructors at the UoN, 04 April 2023
2. Organized a Workshop on “UoN e-Research Management” in University of Nizwa on 17 Nov. 2016.

A5 Awards and Recognition

- Appreciation certificate for distinguished research contribution and exceptional records in research scholarly work by Dean, College of Arts and Sciences (July, 2020)
- World Top 2% most cited scientist according to Stanford University published in Oct. 2022
- World Top 2% most cited scientist according to Stanford University published in Oct. 2021 <https://md-datasets-public-files-prod.s3.eu-west-1.amazonaws.com/912c4e47-5e43-4c04-a184-341f243948244>
- Appreciation certificate and Prize awarded by Vice Chancellor on the behalf of University Chancellor for being listed among World Top 2% of most cited scientist according to Stanford University published in Oct. 2020.
- Top researcher in Nature Index at OMAN
 - <https://www.natureindex.com/country-outputs/Oman>
 - <https://www.natureindex.com/institution-outputs/oman/university-of-nizwa/55c19f9d140ba05c598b45b2>
 - https://twitter.com/CAS_UoN/status/1287814268050714626
- GATE: Qualified with All India Rank-106 (96.13 Percentile) (2008),
- CSIR: National Eligibility Test (NET) Qualified – 2009,

A4.6 National and International Research Collaboration

- Abdus Salam International Centre for Theoretical Physics, Trieste, Italy
- Durban University of Technology, South Africa
- National Defence Academy, India
- Hassan II University of Casablanca, Morocco
- Jadavpur University, India
- Birla Institute of Technology and Science-Hyderabad, India

- Astrophysics Research Centre, School of Mathematics, Statistics and Computer Science, University of KwaZulu-Natal, Private Bag X54001, Durban 4000, South Africa
- Centre for Cosmology, Astrophysics and Space Science (CCASS), GLA University, India
- Zhejiang Normal University, China
- COMSATS University Islamabad, Pakistan
- Ibn Tofail University, Morocco
- University of Antofagasta, Chile
- Government General Degree College, Singur, Hooghly, West Bengal 712 409, India
- Al-Azhar University, Assiut 71524, Egypt
- University of Bisha, P.O. Box 344, Bisha 61922, Saudi Arabia
- Princess Nourah bint Abdulrahman University, Riyadh 11671, Saudi Arabia
- Shanghai University, Shanghai 200444, Shanghai, People's Republic of China
- Universidad Bernardo O'Higgins, Santiago, Chile
- Umm Al-Qura University, Makkah, Saudi Arabia
- The Institute of Mathematical Sciences, Chennai, Tamil Nadu, India
- National University of Sciences and Technology Islamabad H-12, Pakistan
- Rajiv Gandhi University (A Central University) Doimukh, Arunachal Pradesh, India
- Mustansiriyah University, Baghdad, Iraq
- Laboratory of Physics of Matter and Radiation Mohammed I University, Oujda, Morocco
- Delhi Technological University Delhi 110042, India
- University of the Punjab Quaid-e-Azam Campus Lahore 54590, Pakistan
- New Uzbekistan University Mustaqillik ave. 54, Tashkent 100007, Uzbekistan
- Changshu Institute of Technology, Suzhou 215500, People's Republic of China
- A'Sharqiyah University, Oman

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