

Dr. Mohammad Aamir Qayyoom

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Career Objective:

I want to succeed in life through hard work, dedication accompanied with concentration in my work and self-improvement and strive for the success of my organization.

National Level Examinations

Examination	Discipline	Board/ Institute	Year	Score	All India Rank
CSIR – UGC National Eligibility Test (NET)	Mathematical Sciences	Council of Scientific and Industrial Research	2016 (June)		62
CSIR – UGC National Eligibility Test (NET)	Mathematical Sciences	Council of Scientific and Industrial Research	2015 (June)		72
Graduate Aptitude Test in Engineering (GATE)	Mathematics	MHRD, Govt. of India	2015	378	

Academic Details

- **PhD awarded (2022)** - Thesis title “A Study of Golden Structures on Riemannian Manifold” in Department of Mathematics and Statistics, Integral University Lucknow.
- **M.Sc (Mathematics)** from Christ Church PG college, **C.S.J.M University**, Kanpur in 2013 with **First division (64.40%)**.
- **B.Sc (Mathematics, Physics & Chemistry)** from Brahmanand PG college **C.S.J.M University**, Kanpur in 2011 with **First division (60.81%)**.
- **Intermediate** (Physics, Chemistry & Mathematics) from **B.N.S.D inter college**, Kanpur in 2008 with **First division (61.80%)**.
- **High school** from **B.N.S.D inter college**, Kanpur in 2006 with **First division (68.00%)**.

Professional Positions Held

- Working as an Assistant Professor since 16 January, 2019 in Department of Mathematics and Statistics, Integral University, Lucknow.

Courses Taught

- **At Under Graduate level:** Calculus, Vector Analysis and Geometry, Real Analysis, Engineering Mathematics, Pharmaceutical Mathematics, Business Statistics, Quantitative Techniques, Business Mathematics, Computer Based Numerical and Statistical techniques, Computer Based Numerical techniques, Statistics in Agriculture, Engineering Mathematics in Agriculture, LaTeX programming.
- **At Post Graduate level:** Topology, Rigid Dynamics, Quantitative Methods, Concepts of Applied Statistics, Applied Mathematics and Bio-Statistics.

Services Provided to Students and The Home Institution

- Member of Departmental Quality Assurance Cell (DQAC), Department of Mathematics & Statistics, Integral University, Lucknow
- Member of Board of Studies (BOS), Department of Mathematics & Statistics, Integral University, Lucknow
- Member of organizing committee for International Conference on Algebra and Applied Analysis, organized by Department of Mathematics at Integral University, Lucknow on August 08-10, 2018.
- Member of organizing committee for National Conference on 'Role of Mathematics in Science & Technology' organized by Department of Mathematics, Integral University, Lucknow on April 10, 2017.
- Member of organizing committee, International Symposium on Algebra, Analysis and their Applications held on 22.12.2017 at Integral University, Lucknow.
- Member of organizing committee, National Workshop on Data Analysis by SPSS held on 25.02.2015 at Integral University, Lucknow.
- Faculty Coordinator of events Tamseeli Mushaira, Bait – Bazi and Qawwali in annual cultural programs Fiesta -2019, Fiesta-2022, and Fiesta-2023.
- Course Coordinator of B.Sc (Physics, Mathematics and Computer Science).
- Coordinator of International Day of Mathematics held on 14.03.2024 at Integral University, Lucknow.
- Organizing Secretary of National Seminar on Mathematical and Statistical Computing held on 04.05.2024 at Integral University, Lucknow.
- Coordinator of Value-added course on Vedic Mathematics held on 27 March – 28 April, 2024.
- Resource person in Value-added course on Vedic Mathematics held on 27 March – 28 April, 2024.

Research Areas of Interest:

Differential Geometry

Hypersurfaces, Submanifolds, CR-submanifolds, Semi-invariant submanifolds, Warped Product submanifolds, Lightlike submanifolds and Connections.

Supervision of PG Dissertation:

1. Submanifolds of Golden Riemannian Manifolds, Neelu Prajapati (M.Sc – Mathematics) 2024.

Supervision of Doctoral Programs:

1. Geometry of Warped Product Submanifolds of Riemannian Manifolds, Taskeen Fatima (2024) Pursuing.
2. A Study of Non – Linear Manifold Learning, Shifali Fatima (2024) Pursuing.

Research Collaborators:

1. Prof. Mobin Ahmad (Integral University, Lucknow, India)
2. Prof. J. B. Jun (Kookmin University, Seoul, South Korea)
3. Prof. Rawan Bossly (Jazan University, Jazan, Saudi Arabia)

Publications:

Book Chapter:

1. Hypersurfaces of a Metallic Manifold, Differential Geometry, Algebra, and Analysis (2020), Springer Proceeding in Mathematics & Statistics, Springer Nature Singapore. DOI: 10.1007/978-981-15-5455-1_7 (**Scopus**).

Published/Accepted Research Papers:

1. Iqra, A., Khan S. A., Rizvi, S., Qayyoom, M. A*, Hypersurfaces of golden semi-Riemannian manifolds, Bulletin of the Calcutta Mathematical Society. (**Accepted**) **UGC (India)**.
2. Iqra, A., Khan S. A., Rizvi, S., Qayyoom, M. A., Submanifolds in Semi - Riemannian manifolds with Golden Structure, Palestine Journal of Mathematics. ISSN 2219-5688. (**Accepted**) **Scopus, UGC (India)**.
3. Qayyoom, M. A., Bossly, R., Ahmad, M., On CR-lightlike submanifolds in a golden semi-Riemannian manifold, AIMS Mathematics, 9(5), 13043 – 13057, (2024). ISSN

- 2473-6988, DOI: <https://doi.org/10.3934/math.2024636> , **Scopus, WoS, ESCI, UGC (India).**
4. Ahmad, M., Qayyoom, M. A., CR-submanifolds of a golden Riemannian manifold, Palestine Journal of Mathematics, 12(1), 689 – 696, (2023). ISSN 2219-5688, SJR 0.12. **Scopus, UGC (India).**
 5. Qayyoom, M. A., Ahmad, M., Hypersurfaces immersed in a golden Riemannian manifold, Afrika Matematika, 33: 3, 1 – 12 (2022). ISSN 1012-9405. **Scopus, WoS, ESCI, UGC (India).** <https://doi.org/10.1007/s13370-021-00954-x>
 6. Ahmad, M., Qayyoom, M. A., Warped product skew semi – invariant submanifolds of locally golden Riemannian manifold, Honam mathematical Journal, 44(1), 1 – 16 (2022). **WoS , ESCI, UGC (India).** <https://doi.org/10.5831/HMJ.2022.44.1.1>
 7. Ahmad, M., Qayyoom, M. A., Geometry of Submanifolds of locally metallic Riemannian manifolds, GANITA, 71(2), 125 – 144, (2021). **UGC (India)**
 8. Ahmad, M., Qayyoom, M. A., Skew semi – invariant submanifold in a golden Riemannian manifold, Journal of Mathematical Control Science and Applications, 7 (2), 45 – 56, (2021). **Scopus, UGC (India)**
 9. Ahmad, M., Qayyoom, M. A., On submanifolds in a Riemannian manifold with golden structure, Turkish Journal of Mathematics and Computer Science, 11(1), 8 – 23, (2019). ISSN 2148-1830. **Peer Reviewed**

Communicated Research Papers:

1. Mohammad Aamir Qayyoom and Mobin Ahmad*, Screen Generic Lightlike Submanifolds of a Metallic Semi-Riemannian Manifolds.
- 2.

Symposiums / Conferences/ Workshops / Seminars/ FDPs/FIPs/QIPs

1. Attended National workshop on “Emerging Trends in Interdisciplinary Mathematical Sciences sponsored by : C.S.I.R., New Delhi”, 15 – 16 Oct 2011, Department of Mathematics, D.A.V College, C.S.J.M University, Kanpur
2. Attended National workshop on “Data Analysis by SPSS”, 25, Feb 2015, Department of Mathematics, Integral University, Lucknow.
3. Attended National workshop on “Mathematical Modelling and Applications (MMA – 2015)”, 22 September 2015, Department of Mathematics, Amity University, Lucknow Campus, Lucknow.
4. Attended Faculty Development Programme (FDP) on “Perspective of Modern teaching techniques & Uses of Case Studies through experimental learning”, 22 August, 2015, held at Department of Business Management, Integral University, Lucknow.
5. Attended conference on “Recent Trends in Mathematics: Topological Algebraic Analysis & Applications”, 21 - 22, November, 2015, organised by Bharat Ganita

Parisad & Department of Mathematics & Astronomy, Lucknow University, Lucknow.

6. Attended National workshop on **“Entrepreneurship options in the Field of Engineering & Pioneering Internet of Things ”** held on **25, January, 2016**, organised by Integral University Student Branch, **Integral University, Lucknow.**
7. Attended conference on **“Differential Analysis”, 19 - 20, November, 2016**, organised by **Bharat Ganita Parisad & Department of Mathematics & Astronomy, Lucknow University, Lucknow.**
8. Attended National workshop on **“Role of Mathematics in Science and Technology”, 10, April, 2017**, Organized by **Department of Mathematics, Integral University, Lucknow.**
9. Participated in the Short term Course on **”Gender Equality in Academic Leadership”** organized by **Academic Staff College, Integral University** in association with UGC **Human Resource Development Centre, AMU, Aligarh** from **06 - 12, July 2017**. Under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (**MHRD, Govt. Of India**).
10. Attended conference on **“Mathematical Analysis and Applications”, 18 - 19, November, 2017**, Organized by **Bharat Ganita Parisad & Department of Mathematics & Astronomy, Lucknow University, Lucknow.**
11. Attended **International Symposium** on **“Algebra, Analysis and their Applications”, 22, December, 2017**, Organized by **Department of Mathematics, Integral University, Lucknow.**
12. Attended one day Seminar on **“Following the Research Workflow using Elsevier’s Tools”, 06, March, 2018**, Organized by **Human Resource Development Centre (HRDC), Integral University, Lucknow** in collaboration with **Elsevier, India.**
13. Attended **International Conference** on **“Frontiers in Industrial and Applied Mathematics (FIAM)”, 26 - 27, April, 2018**, Organized by **Department of Mathematics, National Institute of Technology (NIT), Hamirpur, Himachal Pradesh, India** in collaboration with **Indian Society of Industrial and Applied Mathematics (ISIAM).**
14. Attended **International Conference** on **“Algebra and Applied Analysis, 09 - 11, August, 2018**, Organized by **Department of Mathematics, Integral University, Lucknow.**
15. Attended International conference on **“Gravitation, Cosmology and Mathematical Physics, 04 – 07, April, 2019**, Organized by **Tensor Society of India and Department of Mathematics and Physics, GLA University, Mathura, U.P. India.**

16. Attended **International conference on “Advances in Operation Research, Statistics and Mathematics, 28 – 30, December, 2019**, Organized by **Vijanana Parishad of India and Department of Mathematics, BITS Pilani**, Pilani campus, Rajasthan, India.
17. Attended **Online Faculty Development Programme on “Avant – Garde Trend in Mathematics, 17 – 23, June, 2020**, Organized by, Department of Mathematics Bannari Amman Institute of Technology, Tamil Nadu, India.
18. Attended **Online Faculty Development Programme on “Mathematical Modelling in Multidisciplinary Domain, 1 – 7, June, 2020**, Organized by, Department of Mathematics Bannari Amman Institute of Technology, Tamil Nadu, India.
19. Attended **Online Faculty Development Programme on “R – Programming Language, 11 – 15, May, 2020**, Organized by, Department of Computer Applications, Integral University, Lucknow.
20. Attended **Refresher Course on “New Education Policy NEP - 2020, 24 February – 03, March, 2021**, Organized by, HRDC Integral University Lucknow.
21. Resource person in **Faculty development program on Statistical Data Analysis & Documentation with R, 16 – 29, November, 2021**, Organized by, Department of Mathematics and Statistics, Integral University, Lucknow.
22. Attended **Online National conference on “New Trends in Applied Mathematics, 11 – 12, October, 2021**, Organized by, Department of Mathematics University institute of technology, Chhatrapati Shahu Ji Maharaj University, Kanpur, India.
23. Attended **International conference on “Differential Geometry and Relativity, 18 – 20, May, 2023**, Organized by, Tensor Society of India and Department of Mathematics SSJ University, Almora, Uttarakhand India.
24. Attended **13th Faculty Induction Program (Online), 04 July – 02 August, 2023**, Organized by, **UGC – HRDC Jamia Milia Islamia University**, New Delhi.
25. Attended **Refresher Course on “Mathematics and Statistics, 23 September – 09, December, 2023**, Organized by, **HRDC Integral University Lucknow** in association with Department of Mathematics & Statistics, Integral University Lucknow.
26. Attended **Workshop on “Fractal Geometry and Related Fields (FGRF-2024), 05 – 07, April, 2024**, Organized by, **Department of Applied Sciences, IIIT Allahabad, U.P India**.
27. Attended **National Seminar on “Mathematical and Statistical Computing, 04, May, 2024**, Organized by, **Department of Mathematics & Statistics, Integral University Lucknow**.

Invited Talk(s):

1. Delivered an **invited talk** on ‘**Screen Generic Lightlike Submanifolds of Golden Semi-Riemannian Manifolds**’ in an National Conference on “**Mathematics and its Applications for the Advancement of Computer Science and Technology**” held on 02 – 04, March, 2024 organized by **Department of Mathematics, T.D. PG College Jaunpur U.P. India** and **Ramanujan Society of Mathematics and Mathematical Sciences**.

Paper Presentations:

1. Presented a paper “**Hypersurfaces immersed in golden Riemannian manifold**” in international conference on “**Gravitation, Cosmology and Mathematical Physics, 04 – 07, April, 2019**, Organized by **Tensor Society of India** and **Department of Mathematics and Physics, GLA University, Mathura, U.P. India**.
2. Presented a paper “**On Submanifolds immersed in Riemannian manifold with golden structure**” in **International conference on “Advances in Operation Research, Statistics and Mathematics, 28 – 30, December, 2019**, Organized by **Vijnana Parishad of India** and **Department of Mathematics, Birla Institute of Technology and Science (BITS) Pilani, Pilani campus, Rajasthan, India**.
3. Presented a paper “**Skew semi-invariant submanifolds of a golden Riemannian manifold**” in **National conference on “New Trends in Applied Mathematics, 11 – 12, October, 2021**, Organized by, **Department of Mathematics University institute of technology (UIET), Chhatrapati Shahu Ji Maharaj University, Kanpur, India**.
4. Presented a paper “**Warped product skew semi-invariant submanifolds of locally golden Riemannian manifolds**” in **international conference on “Differential Geometry and Relativity, 18 – 20, May, 2023**, Organized by, **Tensor Society of India** and **Department of Mathematics SSJ University, Almora, Uttarakhand India**.

Membership in Professional Bodies

- Life member of **Indian Society of Industrial and Applied Mathematics (ISIAM)**.
- Member of **Indian Science Congress, India**.

Professional honours, awards, and fellowships

1. Won **first prize of Best Paper Presentation to Young Scientist** in international conference on **Advances in Operation research, Statistics and Mathematics** organized by **Vijnana Parishad of India** and **Department of Mathematics, BITS Pilani, Pilani Campus, Rajasthan**.

Languages

Language	Read	Speak	Write
Arabic	Yes		
English	Yes	Yes	Yes
Urdu	Yes	Yes	Yes
Hindi	Yes	Yes	Yes

Personal Details:

Name : Dr. Mohammad Aamir Qayyoom
Father's name : Mr. Mohammad Qayyoom
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Present Position: Assistant Professor
Nationality : Indian
Marital Status : Single

References

1. Prof. M. H. Shahid
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2. Prof. Viqar Azam Khan
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3. Prof. Zafar Ahsan
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5. Prof. Cihan Ozgur
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Declaration:

I hereby declare that the above given information is true in the best belief of my knowledge and if you'll give me a chance to work, I'll try to satisfy you with my hard work, ability behavior.



Place: Lucknow

Mohammad Aamir Qayyoom