



Curriculum Vitae: Dr. Khaja Moinuddin

Department of Mathematics , School of Sciences

Maulana Azad National Urdu University

Hyderabad-32(India)

9247825104(Personal), kmoinuddin71@gmail.com

Employment(32 years of Teaching Experience since 1991)

- Lecturer in Mathematics at Anwar Ul Uloom College and Nawab Shah Alam Post Graduate College and Research Centre from 1st August 1991 – 6th March 2008.
- Lecturer/Assistant Professor (Sr Scale) in Mathematics at Directorate of Distance Education Maulana Azad National Urdu University, Hyderabad (2008-2014).
- Assistant Professor (Selection Grade/Level-12) at the Department of Mathematics, School of Sciences, Maulana Azad National Urdu University, Hyderabad from 2015 till 06th March 2021.
- Associate Professor of Mathematics, of Mathematics, MANUU w.e.f 7th March 2021 till date.
- Head, Department of Mathematics, MANUU w.e.f 16th June 2023 till date.

Fields of Research

Analysis
Algebra
Porous Media

Courses Taught

Under Graduate Programmes: Calculus , Differential Equations, Algebra, Real Analysis, Numerical Methods and Linear Algebra.

Post Graduate Programmes: Real Analysis-I, Linear Algebra, Theory of Ordinary Differential Equations, Algebra, Real Analysis-II, Topology, Advanced Algebra, Functional Analysis

Ph.D Coursework : Essential Mathematics, Specialization (Pure Mathematics)

PG Level: Awards and Achievements

Secured First Rank in M.Sc. (Mathematics) and received Four Gold Medals for different achievements at Post Graduate level from Osmania University in the year 1991.

Received Excellence through Achievement Award from CCIM (US & CANADA) in the year 1994.

Research Guidance/Research Projects

- **One Ph.D awarded (Jan'2022) and one Research Scholar is working under my supervision.**
- **Completed one Minor Research Project titled “ Some Contributions to Soft Groups and related Structures”(2017).**

MSc Projects Supervised

- In 2013 a dissertation entitled “ A Fluid flow and Heat Transfer problem in Porous Media using Galerkin Technique” is supervised for the group of students: Danish Nadim & Gulam Jeelani (Enrl numbers MM110501-0302 & 0306)
- In 2019 a dissertation entitled “ On Semi Continuous functions” is supervised for the group of students: Tareeq Ahmed Bhat and Muzzamil Ramzan.(Enrl Numbers 17MSMM010HY & 17MSMM08HY).
- In 2022 a dissertation entitled “*On Γ – Semigroups* ” is supervised for the group of students: Mr. Ziyul Haque, Ms.Ulfath Habeeb &Mrs. Fareeha Farooqui (20MSMM06HY,11HY &23HY)
- In 2023 a dissertation entitled “A Study of Fuzzy Algebraic structures on semigroups is supervised for the group of students Mr.Md Shahnawaz Alam & Ms Aliya Reyaz.

Education

1. B.Sc(Maths, Physics, Chemistry) (Nagarjuna University-Andhra Pradesh)
2. M.Sc.(Mathematics)(Osmania University-Andhra Pradesh)
(Stood first in the university and received four Gold Medals for different achievements)
3. Ph.D (Mathematics)(Dravidian University-Andhra Pradesh)

Other Responsibilities

1. Nodal Officer for Prime Minister Special Scholarship Scheme for J&K students(School of Sciences MANUU) from 2019 till June 2023.
2. Subject Coordinator for Self Learning Material of B.Sc Mathematics printing at DDE, MANUU.

Memberships

1. Life member of the council of the Andhra Pradesh Society of Mathematical Sciences.
2. Member Board of Studies in Mathematics at Anwar ul Uloom college since 2014.
3. Member Board of Studies in Mathematics at MANUU.

Session Chaired in the Conference/Workshop/Symposium

- Chaired a session “ICT in Sciences” in the National Urdu Science Congress, MANUU (2021).
- Chaired a session in “Online International Symposium on Differential Geometry and its Applications (ISDGA-2022)”, organized by Department of Mathematics, School of Sciences, MANUU, Hyderabad during March 30-31, 2022.
- Chaired a session in “International Urdu Science Conference-2024” organized by School of Sciences, MANUU during 4th & 5th March 2024.

FDP/FIP/Refresher Courses Attended

1. Orientation Programme: Academic Staff College, MANUU(2008).
2. Refresher Course in Open Distance Learning: ASC, MANUU(2009).
3. Refresher Course in Research Methodology in Basic Sciences: ASC(OU)(2013).
4. Short Term Course(FDP) : Ministry of Electronics and I.T (GoI) (2018).
5. Short Term Course in Advanced Group Theory: UGC-HRDC, Kerala University(2020)

BOOKS PUBLISHED/EDITED

1. **Author of two Chapters of the Book (Self Learning Material)(Subject-Calculus) of 1st sem B.Sc. which is written for the Directorate of Distance Education, MANUU. Edited the same book. (2021)**
2. **Author of Four Chapters of the book(Differential Equations) of B.Sc 2nd Sem which is written for the Directorate of Distance Education, MANUU. Edited the same book. (2022)**
3. **Author of Six Chapters of the book(Algebra) of B.Sc 3rd Sem which is written for the Directorate of Distance Education, MANUU. Edited the same book. (2022)**
4. **Author of Eight Chapters of the book(Real Analysis-Lab Manual) of B.Sc 4th Sem which is written for the Directorate of Distance Education, MANUU. Edited the same book. (2023)**
5. **Author of Fourteen Chapters of the book(Linear Algebra) of B.Sc 5th Sem which is written for the Directorate of Distance Education, MANUU. Edited the same book. (2024)**

CONFERENCES/ WORKSHOPS/WEBINARS ATTENDED and TALKS:

1. Participated and presented a paper in National Seminar on Open Distance Learning- Learners Support services- Role of Media conducted by Dr. B.R. Ambedkar Open University(2010).
2. Participated and presented a paper in National Seminar on Teaching and Research in Bio-Physics, organized by Nizam College, Osmania University in 2011.
3. Participated and presented a paper in IDEA 2011 The 16th Annual Conference organized by IDEA and Kakatiya University.
4. Participated and presented a paper in National Conference on Applications of Mathematics in Engineering, Physical and Life Sciences, organized by S V University, Tirupati(2012).
5. Participated and presented a paper in the UGC sponsored two day National Seminar on Recent Developments in Mathematics and its Applications, organized by Department of Mathematics, Acharya Nagarjuna University(2014)

6. Delivered an Extension Lecture as a Resource person on the topic “ Algebra-Applications” to B.Sc and M.Sc(Mathematics) students of Anwar ul Uloom College, Hyderabad(2015).
7. Delivered an Extension Lecture as a Resource person on the topic “ Banach Contraction Principle and applications” to B.Sc and M.Sc(Mathematics) students of Anwar ul Uloom College, Hyderabad(2016).
8. Participated and presented a paper in **International Conference on Lifelong Learning**, organized by AIAER(2017).
9. Participated and presented a paper in National Urdu Science Congress, MANUU 2019.
10. Participated and presented a paper in National Urdu Science Congress, MANUU 2020.
11. National Workshop on Physics of Fluids: GITAM University, Hyderabad(2019,2020).
12. International Webinar/FDP On Relevance of Mathematics to Core Engineering Sciences: MGIT, Hyderabad(2020).
13. Participated and presented a paper in National Urdu Science Congress, MANUU 2023.

LIST OF PUBLICATIONS:

1. **Published a paper entitled “ On Rising Sun Operator” in International Journal of Mathematical Analysis, ISSN NO: 1312-8876 (2013).**
2. **Published a paper entitled “ On Soft semi Compact space” in IJSIMR, ISSN NO: 2347-307X (2014).(UGC LISTED TILL 2019).**
3. **Published a paper entitled “ A Novel Approach-Soft Groups” in International Journal of Algebra, Vol.9, no.2,pp.79-83(2015).**
4. **Published a paper entitled “ On Homomorphic Images of Soft Subgroups” in Global Journal of Pure and Applied Mathematics, ISSN 0973-1768,Vol.11, Number.3,pp.1223-1229.(2015)**
5. **Published a paper entitled “On some algebraic properties of soft sets” in Italian Journal of Pure and Applied Mathematics, No.36,pp.265-270.(Scopus and UGC listed) (2016)**
6. **Published a paper entitled “ Rough Soft Sets- A Novel Approach” in the International Journal of Computational and Applied Mathematics, ISSN 1819-4966, Vol.12,No.2,pp549-555(2017)**
7. **Published a paper entitled “ Force convective heat flow of a viscous liquid in a porous medium over a fixed horizontal impermeable plate for different depths of the channel with a constant heat source in the flow region” in the International Journal of Mathematical Archives, ISSN: 2229-5046, Vol.8(11),pp.65-75,(2017-UGC LISTED TILL 2019).**
8. **Published a paper entitled on “ Some invariants of statistical manifolds” in GANITA, Vol.67(3),pp1-30(2017)(UGC LISTED)**
9. **Published a paper entitled “ Fluid flow and heat transfer of a viscous fluid of finite depth over a fixed thermally insulated bottom” in IJASRM,ISSN 2455-6378, Vol.3(2),(2018)(UGC LISTED till 2019)**
10. **Published a paper entitled “ Homomorphic and Isomorphic Images of some soft structures over a semigroup” in IJASRM, ISSN 2455-6378, Vol.3(3),(2018)(UGC LISTED till 2019)**
11. **Published a paper entitled “ A slip-flow and heat transfer problem in porous media” in Ajanta, ISSN 2277-5730, Vol.8(2),(2019)(UGC LISTED till 2019)**
12. **Published a paper entitled “ On Fuzzy gprw-closed sets in Fuzy Topological Space” in Journal of the Gujarat Research Society, ISSN:0374-8588, Vol21(14)(2019) (UGC LISTED till 2019).**

13. Published a paper entitled “ Fuzzy g_p^* -closed sets in Fuzzy Topological Space” in South East Asian Journal of Mathematics and Mathematical Sciences, ISSN:0972-7752, Vol.16(2)(2020) (UGC LISTED till date).
14. Published a paper entitled “ On Separation axioms($T_i, i=0,1,2$) Via Fuzzy g_{prw} -Open sets” in South East Asian Journal of Mathematics and Mathematical Sciences, ISSN:0972-7752, Vol.16(3)(2020) (UGC LISTED till date).
15. Published a paper entitled “ On Fuzzy generalized pre regular weakly continuity” in South East Asian Journal of Mathematics and Mathematical Sciences, ISSN:0972-7752, Vol.17(2)(2021) (UGC LISTED till date).
16. Published a paper entitled “Numerical and theoretical analysis for fixed points for solving differential equation with retarded argument using an efficient iterative method” Advanced Studies: Euro-Tbilisi Mathematical Journal, Vol 16(1)(2023).
17. Published a paper entitled “Fixed Point approximation using unified iteration scheme for asymptotically non expansive mappings in $CAT(0)$ spaces” South East Asian Journal of Mathematics and Mathematical Sciences, Vol 9(1)(2023).
18. Published a paper entitled “A Heat transfer problem with a velocity slip in Porous Media: A Galerkin approach” European Journal of Mathematics and Statistics, Vol 4(6)(2023).
19. Published a paper entitled “Asymptotic behaviour of G-CR iteration algorithm and application to common zeros of accretive operators” Studia Universitatis Babeş-Bolyai Mathematica.

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Hyderabad

(Khaja Moinuddin)