

CURRICULAM - VITAE

Dr. Abdul Wadood Khan

e-mail: khanawadood71@gmail.com , awkhan@iul.ac.in

Ph. D. (Mathematics), Integral University, Lucknow 2009



Present Position : Associate Professor
Deptt. of Mathematics & Statistics, Integral University, Bas-Ha
Kursi Road, Lucknow
U.P. INDIA– 226026, Mob: 09415791160

Field of Specialization: Numerical Analysis, Applied Mathematics and Fluid Dynamics.

Ph. D. Research Title: *Hydrodynamic Instability of Inviscid Parallel Shear Flows*

Experience:

About 17 years teaching experience at Postgraduate and Graduate level of Mathematics at Integral University, Lucknow.

ACADEMIC ENGAGEMENTS:

Ph. D. Supervision:

Awarded: 4

Under supervision: 02

Project Supervised: 13(M.Sc. Mathematics)

Thesis Evaluation:

Evaluated 1 Ph. D. thesis in Mathematics from other university

Member of Committee:

1. Member of syllabus design committee for undergraduate and postgraduate courses.
2. Member of time table frame committee.
3. Member of Internal Quality Assurance cell (IQAC)

Teaching:

B.Sc., B.Tech., M.Tech. & M.Sc. courses of Mathematics at Integral University.

ADMINISTRATIVE ENGAGEMENTS:

1. Served as Head of the Department of Mathematics & Statistics, Integral University, Lucknow from February 2021 to August 2023.
2. Served as Assistant Centre superintendent (ACS) for conducting end semester examinations of the Integral University.
3. Served as Member of the Proctorial Board (meant for maintenance of Law & Order in the campus).
4. Served as Member of flying Squad (meant for random checking of the student during examinations).

PUBLICATIONS:

i) Research Papers:

1. Published a paper “Impacts Of Radiation and Ion-Slip On MHD Chemically Reacting Fluid Past through Inclined Surface” in FOURRAGES Vol. 258(6), 2024
2. Published a paper “Combined Effects of Soret and Dufour on MHD Flow Through Porous Medium Past an Inclined Cylinder with Variable Oscillating Wall Temperature and Mass Diffusion” in Advances and Applications in Mathematical Sciences ..., Vol. 23(5) 1, 2024, 389-403

3. Published a paper “Hall effect on unsteady MHD flow along vertical plate with variable temperature and mass diffusion in the presence of porous medium and chemical reaction” in *STUDIA UNIVERSITATIS BABEȘ-BOLYAI, Engineering* Vol. 68(1), 2023
4. Published a paper “MHD Flow Past over Oscillating Vertical Plate Through Porous Media in the Presence of Hall Effect and Chemical Reaction” in *Journal of Science and Arts*, Vol. 23 (1) 2023, 273-280
5. Published a paper “Unsteady MHD Flow through Porous Medium Past an Exponentially accelerated Inclined Cylinder With Variable Oscillating Wall Temperature in the Presence of Chemical Reaction” in *GANITA*, Vol. 72(2), 2022, 103-113.
6. Published a paper “ Common strongly attractive points of non expansive set-valued mapping and applications ” in *Rendiconti del Circolo matematico di Palermo series 2*, Vol. 72, 2022, 3399-3413
7. Published a paper “ A model for the adverse effect of two toxicants causing deformity in a subclass of a biological species” in *International Journal of Pure and Applied Mathematics*, Vol. 10, No. 3,2016, 447-462
8. Published a paper “The effect of an external toxicant on a biological species in a case of deformity: A model” in *Model Earth Syst. Environ.*, Springer International Publishing; 2016, 2:148, 2-8.
9. Published a paper “ Modeling the Simultaneous Effect on Two Toxicants Causing Deformity in a Subclass of Biological Population” in *IOSR Journal of Mathematics*, Volume 11, Issue 6 , Ver. IV (Nov. - Dec. 2015), pp 70-82 .
10. Published a paper” Two-Phase Model of Blood Flow Through A Composite Stenosis in the Presence of A Peripheral Layer” in *Journal of Multidisciplinary Scientific Research*, 2013, 1(5):39-45.
11. Published a paper” A two-layered blood flow through an overlapping constriction with permeable wall” in *e-Journal of Science & Technology (e-JST)*, (4), 8, 2013 ,73-86.
12. Published a paper” Blood Flow Through An Overlapping Stenosis In Catheterized Artery With Permeable Wall” in *e-Journal of Science & Technology (e-JST)*, (2), 8, 2013, 43-53.
13. Published a paper “Validity of the upper bound for the complex wave velocity of an unstable perturbation wave of an inviscid heterogeneous shear flows” in *International Journal of Mathematical Archive (IJMA)*, 3(2) Feb. 2012, 380-385
14. Published a paper “ Bound for the complex wave velocity of an unstable perturbation wave of an inviscid heterogeneous shear flows” in *International Journal of Mathematical Archive (IJMA)*, 2(6) June 2011, 880-883.
15. Published a paper ‘On the upper bound of the rate of growth in heterogeneous shear flow problem’ in *International e journal of Engineering Mathematic: Theory and Application (IeJEMTA)*, Vol. (6), March, 2009, 76-79.
16. Published a paper “On Reduction of Banerjee - Shandil Semi Circle” in *Applied Mathematical Sciences*, Volume 3, 2009, no. 41, 2035 - 2039 .

ii) **BOOKS/BOOK CHAPTERS:**

1. “Pharmacy and Biotechnology Mathematics”, I.K. International Pub., New Delhi (2009).
2. Chapter Published in “Engineering Vibration, Communication and Information Processing” with the “title A comparative study between the two cases for the effect of a single toxicant on a biological species in case of deformity” page 505-513, 2018, ISBN 978-981-13-1642-5 by Springer.

MEMBER OF PROFESSIONAL BODIES:

1. Member of International Association of Engineers (IAENG)
2. Member of “ The Mathematics Consortium
3. Member of International Egyptian Engineering Mathematical Society.
4. Reviewer of Journal “Application and Applied Mathematics; An International Journal”
5. Reviewer of “ Journal of Applied Fluid Mechanics”
6. Assistant editor of the journal “International Release of Mathematics and Mathematical Sciences”

CONFERENCES:

1. Chaired a Technical session during National e-Conference on Recent Advances in Engineering, Technology & Applied Sciences–2023 (RAETAS-2023), organized by Society towards Advancement of Rural Education in association with Maharana Pratap School of Pharmacy, Lucknow, held on September 05, 2023.
2. Member of the organizing committee meant for International symposium on “International Symposium on Algebra, Analysis and their Applications” organized by Dept. of Mathematics held at Integral University on December 22, 2017.
3. Co organizing secretary of the committee for “International conference on Algebra and Applied Analysis” organized by Dept. of Mathematics. Integral University on August 09 to 11, 2018.
4. Presented a paper titled” A Bifurcation study: Simultaneous effects of two toxicants causing deformity in a subclass of biological population “ in International Symposium on “ Computational and Characterization Techniques in Engineering and Sciences” held at Integral University on 20 March 2017.
5. Presented s paper titled” Modeling the effect of an external toxicant causing deformity on a subclass of biological species“ in the international seminar on “ Present Scenario & Future Perspectives of Research in Engineering and Sciences” held at Integral University on 21 Jan. 2017.
6. Presented a paper in 2nd National Symposium on Modern Trend in Differential Geometry and Mathematical Modeling in Bio-Sciences held at Lucknow University, Lucknow in Jan 2010.
7. Presented a paper in 18th Annual Conference of Purvanchal Academy of Sciences held at TDPG College, Jaunpur in Feb.2009.
8. Presented a paper in the Conference of Bharat Ganita Praishad and Deptt. of Mathematics & Astronomy at Lucknow University, Lucknow in Dec.2008.
9. Presented a paper in the International Conference on Analysis and its Application (ICAA-08) held at AMU, Aligarh in Nov. 2008.
10. Presented a paper in the National Conference on Applications of Mathematics in Science, Technology & Management held at SRMSCET, Bareilly, in Sept. 2008.

TRAINING PROGRAMS:

1. Participated and Completed Faculty Development Program on “Artificial Intelligence in Teaching and Research Paper Writing” organized by AIU-IU-AADC. Integral University and the Association of Indian Universities from June 26 to 30, 2024.

2. Participated in the National Seminar on “Mathematical and Statistical Computing” organized by the Department of Mathematics & Statistics, Integral University Lucknow on May 4, 2024.
3. Participated and Completed Faculty Development Program on “National Education Policy in HEI” organized by AMP from January 15 to 21, 2024.
4. Participated and Completed Two-weeks Refresher Course/FDP Organized by Department of Mathematics & Statistics Integral University, Lucknow From 23d September 2023 to 9h December 2023
5. Participated in two weeks international workshop on “Teaching Competency Through Micro Teaching Skills” Organized by Faculty of Education, Integral University, Lucknow From Feb. 14 to March 02, 2023.
6. Participated and Completed Two-weeks PDP on Inferential Statistics for Data Science to Achieve the Sustainable Development Goal FDP Organized by Department of Mathematics & Statistics Integral University, Lucknow From July 20 to August 02, 2022.
7. Participated and Completed in FDP on “The Arts of Teaching in HEIs” organized by IOT Academy, Tamilnadu from June 01 to 09, 2022.
8. Participated and Completed Two-weeks PDP on “Statistical Data Analysis & Documentation with R” Organized by Department of Mathematics & Statistics Integral University, Lucknow from Nov. 16 to 29, 2021.
9. Participated and Completed Two-weeks PDP “Relevance & Protection of Intellectual Property Rights” Organized by Department of Chemistry, Integral University, Lucknow from Nov. 08 to 22, 2021.
10. Participated and Completed Two-week blended QIP workshop on” Spread sheet Applications - Intermediate level” Conducted by Internal Quality Assurance Cell (IQAC) and Human Resource Development Centre (HRDC), Integral University from June 25 to July 15, 2021.
11. Participated in seven days Refresher Course on National Education Policy (NEP) 2020 Human Resource Development Centre (HRDC), Integral University from Feb. 24 to March 03, 2021.
12. Attended seven days International Faculty Development Program on “Mathematical Modeling in Multidisciplinary Domain” organized by Deaprtment of Mathematics, Bannari Amman Institute of Technology, Chennai from June 01 to 07, 2020.
13. Participated in One Week Faculty Development Program (Online) on Moodle: Learning Management System organized by the Department of Computer Application in association with Spoken Tutorial Project, IIT Bombay-Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) under the aegis of Human Resource Development Center (HRDC) Integral University, Lucknow from May 16 to 20, 2020.
14. Participated in “LibreOffice Suite Writer” organized by Spoken Tutorial Project, IIT Bombay held at Integral University, Lucknow on September 23, 2017.
15. Participated and completed short term course on “How to teach effectively” held at Integral University organized by UGC HRDC, AMU, Aligarh from Aug. 2 to 8, 2016.
16. Participated in “Faculty Development Program on MATLAB” organized by Deptt. of Electronics & Communication in collaboration with CETPA Pvt. Ltd held at Integral University, Lucknow from Feb 1, 2016 to Feb 7, 2016
17. Participated in Faculty Development Program (FDP) on “ Perspectives of Modern teaching techniques & Uses of case Studies through experiential learning” Integral University, Lucknow, 22 August 2015

PERSONAL INFORMATIONS:

Date of birth: 01-07-1971
Father's name: Late Sri Abdul Haleem
Religion: Islam
Nationality: Indian
Gender: Male
Languages Known: English, Urdu, and Hindi
Marital Status: Married
i] Wife's Name: Husne Ara
ii] Daughter's Name : (1) Arhama Khan (2) Mahim Khan

Correspondence Address: 529D/1/248 Vivekanand Puram, Kalyanpur West Ring
Road, Lucknow, U.P. India, Pin - 226022
Permanent Address: at & post – Kurda, Via – Gaur, District – Basti U.P.
India

(Dr. Abdul Wadood Khan)