**Curriculum Vitae**

**Name:**                                 Mahfooz Alam

**Qualifications:**                     M.Sc., M.Phil., Ph.D. (Aligarh) 1978

**Position:**                               Associate Professor

**Teaching Experience:**  38 Years

**Date of Birth:**                     14.02.1951

**Nationality:**                         Indian

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**Address:**                               Department of Mathematics, College of Science,

                                                King Saud University, Riyadh. P.O. Box-2455, Riyadh 11451

**Academic Qualifications:**

|  |  |
| --- | --- |
| Ph.D. | Degree |
| 1978 | Date of graduation |
| Aligarh Muslim University, India | University/ Institute |
| Complex Analysis | Major |
| Associate Professor | Rank |

**Employment History:**

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| --- |
| 1-    Associate Professor of Mathematics, Dept of Math. , KSU, since 1994 |
| 2-    Associate Professor of Mathematics, Dept of Math. , Aligarh Muslim University, Aligarh, India. From 1986-to-1994. |
| 3-    Assistant Professor of Mathematics, Dept of Math. , Aligarh Muslim University, Aligarh, India. From 1978-to-1986. |

**Courses Taught:**

**Graduate Courses:**

1.       Complex Analysis (M-585) at King Saud University.

2.       Real Analysis, at Aligarh Muslim University (AMU), Aligarh, India.

3.       Complex Analysis , at AMU, Aligarh, India.

4.       Polynomial Theory, at AMU, Aligarh, India.

5.       General Topology, at AMU, Aligarh, India.

**Undergraduate Courses**:

1.       Differential Calculus (M-105) at King Saud University.

2.       Integral Calculus (M-106) at King Saud University.

3.       Vectors and Matrices (M-107) at King Saud University.

4.       Mathematics for Pharmacy Students (M-109) at King Saud University

5.       Differential and Integral Calculus (M-203) at King Saud University.

6.       Differential Equations (M-204) at King Saud University.

7.       Differential Calculus, at AMU, Aligarh, India.

8.       Integral Calculus, at AMU, Aligarh, India.

9.       Co-ordinate Geometry, at AMU, Aligarh, India.

10.   Mathematical Methods, at AMU, Aligarh, India.

**Extra Assignments in the Department and the University:**

1.      Coordinator of M-203 in the Department of Mathematics (since 2003 till now)

2.      Coordinator of M-109 in the Department of Mathematics (since 2003 till now)

3.      Member of Analysis group in the Department of Mathematics.

4.      Accreditation and Assessment Committee (Preparation of English Version of   documents)

5. Department of Mathematics Hand Book, College of Science, KSU (Written: English Version).

6. Committee to coordinate the Tutorial teaching.

**Membership of Academic bodies:**

1.       Member of Indian Mathematical Society (Since 1980 – 1994).

2.       Member of Saudi Mathematical Association (Since 1994 – till now).

3. Reviewer of Mathematical Reviews (USA).

4. Saylor Foundation (Consultant, Peer Reviewer and Course Development Program).

**Research Publications:**

1. N. Zaheer and Mahfooz Alam,”On the Zeros of Stieltjes and Van Vleck

                    polynomials”, Tran. American Math. Soc.,229,279-288(1977).

1. Mahfooz Alam, “Zeros of Stieltjes and Van Vleck polynomials”, Trans. American

             Math. Soc., 252,197-204(1979).

1. N. Zaheer and Mahfooz Alam, “Zeros of Polar Composite Polynomials in

             Algebraically Closed Fields”, Proc. London Math. Soc., (3),40,527-552 (1980).

     4.    N. Zaheer and Mahfooz Alam, “Some Applications of the theory of Composite

                  Polynomials”, Journal London Math. Soc.(2)22,403-410(1980).

     5.    Mahfooz Alam, “Zeros of Certain Composite Polynomials in Algebraically Closed

                 Fields”, Illinois Journal of Math.,25,201-208 (1981).

     6.    N. Zaheer and Mahfooz Alam ,”Certain applications of the theory of polar composite

                polynomials”, Proceeding American Math. Soc. Vol.85,3(1982),383-388. (With N.Zaheer).

    7.    Mahfooz Alam ,”On the real value of certain partial fractions, sum”, Pre-prints at the

                international centre for theoretical physics, Trieste, Italy (1986-87).

8.    Mahfooz Alam ,”Zeros of Polynomials in algebraically closed fields, EBYOPEIA”,

                Accepted for Publication in Math. Journal, University of Athens, Greece.

  9.   Mahfooz Alam ,”Zeros of Stieltjes and Van Vleck polynomials, EBYOPEIA”, Accepted

            for Publication in Math. Journal, University of Athens, Greece.

10 .    Mahfooz Alam ,”On the real values of Certain Partial Fraction Sums”, International Journal of Pure

& Applied Mathematics (Bulgaria). ISSN : 1311-8080. Vol. 88, No.4, 2013, 465-467.

11.    Mahfooz Alam and N. Zaheer,”On Polar Relations of Vector valued homogeneous

             Polynomials”, Submitted for Publication

**Please Note**:  All the published papers from 1 to 6 are in ISI Journals.

**Book Published:**Vector Analysis, Joint authors, A.S. Prakashan, Meerut, India.

**Research Papers Citations:**

**-**  Mahfooz Alam, “Zeros of Stieltjes and Van Vleck polynomials”, Trans. American

Math. Soc., 252,197-204(1979). (This is the most general result obtained till now in this direction, and it has been cited by many authors in their research papers).

          -          N. Zaheer and Mahfooz Alam, “Zeros of Polar Composite  Polynomials in

                   Algebraically Closed Fields”, Proc. London Math. Soc., (3), 40,527-552 (1980).

 (This paper has also been cited by various authors in their research papers).

**Some points of special mention:**

-          Reviewer of Mathematical reviews (USA) since 1982.

(I have reviewed research articles of many eminent mathematicians including  Prof.   Morris Marden, a distinguished professor, University of Wisconsin-Milwaukee, USA.

-       Awarded University grants commission, Government of India, Fellowship for Ph.D. program.

-      Invited by the University of Athens, Greece as “invited speaker”.

-      Visited ICTP, Trieste, Italy, Nov. 12-to- Dec. 13 (1986).

-       A research article presented on our behalf in a seminar held in the University of Wisconsin, USA.

**Participation in Conferences/seminars/Workshops etc**:

- Worshop on New Methods in Partial Differential Equations, Nov. 18 - 20 , 2013. Sponsored by Saudi

Association of Mathematical Sciences.

- Attended lecture series organized by Saudi Association of Mathematical Sciences, Jan-Feb, 2014.

- Workshop on : Establishing Mathematical Science Research Institute. Organized by Department of

Mathematics, College of Science, KSU, Feb 19, 2013.

- Workshop on : Special Functions and Applications. Organized by Department of Mathematics,

College of Science, KSU, Feb 20-21, 2013.

* The 2nd Annual Forum for University Teaching, Organized by KSU. Feb 9-12, 2013.
* Second Maths. Days, Organized by Department of Mathematics, College of Science, KSU, 14-15 March2012.
* Second Conference on Mathematics Curricula in General Educational Stages, Organized by Saudi Association for Math. Sciences, May 15-16, 2012.
* The International Conference For Nanotechnology Industries organized by King Abdullah Institute for Nanotechnology. (5-7 April 2009).

- Two days Seminar on “Grading & Evaluation of Students “ Organized by College of Science, KSU.

(March, 2009)

-       Attended a Symposium on Nano technology, organized by A.M.U. Alumini, Riyadh KSA, (June 2008)

            -      Workshop on Partial Differential Equations  and Applied Mathematics, Held in

                      KACST, Riyadh. (2007).

-       Gave popular lecture on “Null-sets of abstract homogeneous polynomials” in 1994 in the Department of Mathematics, KSU.

-       Delivered lectures as resource personnel in the Refresher Course in Mathematics for College Teachers Organized by the Centre for Promotion of Science, A.M.U., Aligarh (India) in 1986, 1987, 1988.

-       University delegate in Annual Conference 1993-94 of Indian Math. Soc. at Bihar University, Muzaffarpur. India.

-      University delegate in Annual Conference 1988-89 of Indian Math. Soc. at the University of Pune, India.

-       University delegate in Annual Conference 1987-88 of Indian Math. Soc. at the Gorakhpur University. India.

-       Participated in Workshop on Evaluation Methodology by A.M.U., Aligarh (India) 1987.

-       Participated in a Workshop on objective type questions organized by A.M.U., Aligarh (India). 1985.

-      University delegate to International Conference of Mathematics held at BHU,Varanasi (India)1976-1977.