


Faculty Profile: Dr. Anju Gupta

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	Anju	Last Name	Gupta	Photograph
Designation	Associate Professor					
Department	Department of Mathematics					
Address (Official)	Department of Mathematics, Kalindi College, Patel Nagar, New Delhi- 110008					
Phone No.	+91-8707514500					
Email	anjjuguptaa@rediffmail.com					



Education

Subject	Institution	Year	Details
Ph. D, Mathematics	University of Lucknow	1993	
MSc	University of Lucknow	1989	with 92 % (Gold medal)
BSc	University of Lucknow	1987	with 89 % (Gold medal)

Career Profile

Organisation/Institution	Designation	Duration	Role
Kalindi College	Associate Professor	24 Years	Undergraduate Teaching

Research Interests/Specialization

1. A q- Extension of 'incomplete' Gamma function, Journal of the Indian Math –Soc., Vol. 58, No.4 (1992) PP-249-262.
2. On certain Ramanujan's mock Theta functions Proc, Indian Acad-Sci Vol. 103, No.3 December 1993 pp257-267.
3. A q- Extension of Incomplete Gamma Function-II, Journal of Math. Phys Sc. Vo.28 No.6
4. A Study of certain Transformation for a special type of 3 PHI 2 series. Ganita. Vol.44 No.2 (1993).
5. On certain bilateral, bibasis q-hypergeometric series transformations and summations. Proc, Nat AcadSci India, 62(A) (1992) PP 88- 96.
6. On Certain Ramanujan's Mock Theta Functions -2, National Academy Science Letters, 1992.
7. q-Analogue of the operational methods, fractional operators and special Polynomials International Journal of Science and Research 2319-7064 . Refereed Co-Author.
8. q-Analogue Of The Shift Operators And Pseudo-Polynomials Of Fractional Order National Aarhat Multidisciplinary International Education Research Journal 2278-5655 Refereed Co-Author.
9. Generalized Exponential Operators and Difference Equations. Refreed. Co- Author. Italian Journal of Pure and Applied mathematics. 2014.
10. Analysis of Japanese Economy, Discussant, December ,2014.
11. Popular article "When the artists of Mathematics painted the Indian Scene" in Panchjanya.
12. 'Learning beyond walls' article in Organizer.
13. Fuzzy Linear Programming Problem: An Optimum solution for Trapezoidal Number, Vol, 10 (9), 2020.
14. An analysis of traceable path of different graphs, Alochna Charkra Journal, 9(4), 2020.

Administrative Assignments / Contribution to corporate life

Present Portfolio:

Associate Professor (Mathematics), Kalindi College, University of Delhi.

Past Portfolio:

- **Director, NCWEB, 2014-2019.**
- **Chairperson**, Delhi University Community Radio, 2015-2019.
- **Member Secretary**, International Guest House, Delhi University from 2014 to 2019.
- Member of various fact-finding committees, Delhi University.
- Member, Purchase Committee, CPDHE, Delhi University.

- Member of Internal Pre-NAAC team for various Institutions of Delhi University and departments.

- Member Health and Hygiene committee 2013-2015.

- **Team member**, Gyanodaya Educational Trip 4 and 5 in March and December, 2014.

- **P. I.** of innovation Project 2013-2015. (Impact of Indian Railways in Kashmir valley)

- **Mentor** for VC interns 2015.

Major Contributions:

- 11,500 Under-graduate and 800 Post-graduate hassle-free admissions from 2014 to 2017 in NCWEB. Decentralized to facilitate students and brought parity to all 26 UG centers by declaring same cut – offs for all centers.
- Skill development classes in NCWEB premises towards employability of students in the academic session 2014-15, 2015-16.
- **2640 students were employed through NSDC.**
- **Self –defense classes** for 6000 NCWEB students.
- **Free basic computer course** for NCWEB students in collaboration with ILLL.
- **Honorarium for teachers and non-teaching staff of NCWEB Centres increased(doubled) to motivate them.**
- **Opened 13 more NCWEB centers in 2016, thereby increasing NCWEB students strength from 15,000 to 32,000.**
- Regular classes ensured at all 27 centers by surprise visits, system of feedback and sharing contact details of NCWEB administrators with students through whats-app groups.
- Transparency in guest appointments for NCWEB.
- Several inter centre extra-curricular activities for students to inculcate confidence and a sense of positive competition.
- Participation of NCWEB students in Gyanodaya.
- Smooth and transparent functioning of the IGH and DUCR.
- **DESIGNED, GOT CONSTRUCTED AND COMMISSIONED A FULLY FUNCTIONAL**

STUDIO WITH EQUIPMENTS AT KALINDI COLLEGE IN 2013.

- Started a newsletter and a magazine called “Sententias” in Department of Journalism in 2011.
- In 2013 tied up with DUCR and produced musical programs from amongst students of Kalindi College which were broadcast in DU RADIO.

Portfolios held:

1. **Director, NCWEB 2014-2019.**
2. **Academic Co-ordinator**, Journalism Department, Kalindi College (University of Delhi) (2010 onwards).
3. Worked as a **co-ordinating committee member of CJET (Combined Journalism Entrance Test) (2011-13, University of Delhi)**. Rendered services as an evaluator, interviewer, and member of the admission board
4. Promoted as Associate Professor of mathematics since 1st September, 2006.
5. Appointed as **Lecturer** in Department of Mathematics, Kalindi College 1st September, 1997.
6. Appointed as **Research Associate** by UGC in 1995.

Past Administrative Experience:

- Director, NCWEB, 2014-2019.
- Co-coordinator, Journalism Department, June 2011- January 2014.
- **Staff Union Advisor** (2000-2003)
- **Convener** of ‘*Antakshri*’ (1997-99)
- **Convener** of ‘*Rangoli*’ (2005-06)
- **Compering** for various programmes held at Kalindi College (Annual Day, Sports Day, Fresher’s welcome etc.)
- **Co-convener** of ‘*Lehren*’ (Annual College Fest) in the year 1999.
- **Member** of Sports Committee (2002-11)
- **Member** of Library Committee (2003-10)
- **Member** of ECA Committee
- **Member** of Proctorial Committee
- **Member** of Students Union Committee since 2011
- **Member** of Purchase Committee for studio journalism 2012.
- Academic Co-ordinator of Department of Journalism between June 2011- and January 2014.
- **Co-convener of Foundation Course Evaluation Committee 2013-14**

Society Memberships held:

- Life Membership of ‘*Bharat Ganita Parishad*’.

- Life Membership of '*Mathematical Society of India*'.
- Life Membership of '*Society for Special Functions*' and their applications.
- Life Membership of '**Ramanujan Mathematical Society**'.
- Life Membership of '**Indian Society for History of Mathematics**'.
- **Life member of 'Indian Science Congress Association'**.

Teaching Experiences (Subject/Courses taught)

Teaching Experience 24 years of teaching:

- BSc Honours Maths
- BSc Physical Science
- BSc Honours Physics
- BA Program

Research Guidance

N/A

Publication (Peer Reviewed/Indexed Journals) N/A

Books

1. Q- Extension of some incomplete function aph publisher, New Delhi, India.
2. Interesting facts of mathematics aph publisher, New Delhi, India.
3. .Mathematics for manager's shanti publishers, New Delhi, India.

Edited /co-author/chapters/articles

1. Computer applications in mathematics shanti publishers, New Delhi, India.
2. Operator theory aph publisher, New Delhi, India.
3. Basic algebra for undergraduate's shreekalaprakashan, New Delhi, India.
4. Introductory statistics shreekalaprakashan, New Delhi, India.
5. Business mathematics for commerce students Triumph publication, New Delhi, India
6. Microeconomics- a mathematical approach Triumph publication, New Delhi, India.
7. Mathematical application to macroeconomics, Shanti publishers, New Delhi, India.
8. Business statistics for commerce Shanti publishers, New Delhi, India.

Seminar/Workshop/Conferences Presentation/Organisation

Invited Talks/ Lectures delivered

- Ancient Indian Mathematics CPDHE, DU
- Mathematics in Environment CPDHE, DU
- Mathematics in Nature CPDHE, DU
- Journey of Zero CPDHE, DU
- Mathematics of naught CPDHE, DU
- Fibonacci Numbers CPDHE, DU
- Mathematics in Medieval India CPDHE, DU
- Environmental Mathematics CPDHE, DU
- Vedic Maths Academic Staff College, L.U.

- Mathematics in Nature Academic Staff College, L.U.
- Bilateral, Generalization of Certain M.T Function SSFA Jodhpur, India
- q-Analog of Beta Functions SSFA, Lucknow, India.
- How God Earth with Mathematics Department of Maths, Lucknow University.
- Application of MOCK Theta function in Operator Theory SSFA, Patiala

Presentations

- **Presented a paper on “Presence of mathematics in nature” in International conference “FIM” in Barcelona, Spain in 2015.**
- **Chaired a session in national seminar on Vedic mathematics in 2016.**
- Paper titled “presence of mathematics in nature” presented at a seminar of Bharat Ganita Parishad in February 2013 at Lucknow.
- Attended International Conference of ISMM in Ramjas College in 2013.
- Presented a paper at the annual meet of Bharat Ganit Parishad in 2013
- Attended a seminar on IMBH organized by D.U. at St.Stephen College in 2013.
- Presented a paper and attended the Annual Conference of SSFA at Lucknow, 2001
- Presented a paper and attended the National Conference of SSFA at Jodhpur, 2000
- Participated in International Instructional workshop on Wavelets and Applications during August 16th to 27th, 1999 in University of Delhi
- Attended a 6 day workshop on Special Function and its Applications at Purvanchal University at Jaunpur in 1992
- Presented a paper in the annual session of Indian Science Congress Association, 1992 and won **ISCA YOUNG SCIENTIST AWARD.**
- Presented a paper and attended Annual Conference of Indian mathematical Society in 1990

Courses attended

- 6 month Proficiency course in German in 1990
- Took under-graduate classes in department of Mathematics, University of Lucknow in the academic session 1990-91
- Taught Post Graduate classes in the academic session 1999-2000, 2000-2001 in University of Delhi
- Attended Workshops on new course in 2005, 2006
- Attended 4 week orientation course in 2000
- Attended 3 week refresher courses in 2002, 2006
- Attended 2 week ILLL workshop on Capacity Building in 2010.

Awards & Distinctions

- 13 Gold Medals in 1987, 1988 and 1989 for highest score each, in Department of Mathematics, Faculty of Science and University of Lucknow.

- Gold medal in 1989 for being the continuous topper in last three years.
- The prestigious “Young Scientist Award” by Indian Science Congress Association in 1992.
- JRF & SRF for duration of Ph.D.
- Stree Udyami Award 2016 by “betibachaobetipadhao foundation”

Public Service/ University Service/ Consulting Activity

- **Director, NCWEB, 2014-2019.**
- **Chairperson**, Delhi University Community Radio, 2015-2019.
- **Member Secretary**, International Guest House, Delhi University from 2014 to 2019.
- Member of various fact-finding committees, Delhi University.
- Member, Purchase Committee, CPDHE, Delhi University.
- Member of Internal Pre-NAAC team for various Institutions of Delhi University and departments.
- Member Health and Hygiene committee 2013-2015.
- **Team member**, Gyanodaya Educational Trip 4 and 5 in March and December, 2014.
- **Principal Investigator** of innovation Project “**Advent of Railways in Kashmir valley**”, 2013-2015.
- **Mentor** for VC interns 2015.

Other Details

Dr. Anju Gupta