

Curriculum Vitae

Dr. Virendra Kumar

Assistant Professor (On Contract)

Department of Mathematics

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Objective

To work in a challenging and stimulating environment, where I can learn and deliver my best for the dynamic growth of organization as well as my career in the field of teaching and research.

Current Affiliation

30 July'2015 Assistant Professor & Teacher In-Charge/HOD Officiating, Department of
to till date Mathematics, Central University of Haryana, Haryana (On Contract).

Academic & Administrative Management

- Chainman of Board of Studies(BOS), (In Absentia of Professor in the Department)
- Revision of Scheme and Syllabi, M. Sc. (Mathematics)
- Member of audit committee, School of Physical and Mathematical Sciences
- Member of Standing Committee (Admission, 2016)
- Member of Planning and Execution Committee of Nation Science day programme, 2015.
- Preparation of SSR report for NAAC.

Academic & Administrative Management (Cont...)

- Member of Rajbhasha Execution Committee.
- Member of Discipline Committee of Convocation, 2016.
- Superintendent of Departmental Examination Committee, 2015-16.
- Chairman, Departmental Admission Committee, 2015-16.
- Member of B. Tech. Admission, 2016-17.
- Member of Purchase/Rate Contract Committee
- Quiz co-ordinator for Nation Science day programme.
- Looking after any other administrative works assigned to me (Exam duties, Evaluation, Paper setting).

Seminar/Workshop/Events organized at CUH

- Organised series of extension lectures given by Prof. H. P. Dikshit, Ex. Vice-Chancellor, IGNOU, Delhi on 15th Oct' 2015, Central University of Haryana.
- Organised extension lecture given by Prof. Kuldeep Bansal, GJUST, Hisar, Haryana on 23rd Nov' 2015, Central University of Haryana.
- Organised Seminar on "Vedic Maths & Memory Enhancement" on 5th April, 2016.
- Extension Lectures by Prof. B. K. Dass, Department of Mathematics, University of Delhi, April, 2106.
- Extension Lecture by Prof. Kuldeep Bansal, Department of Mathematics, GJUST Hisar, Haryana, India, April 2016.
- Organised Teacher's day functions at the university level, 5th September 2016.
- Organised a series of lectures by Prof. D. S. Hooda, Honorary professor, GJUST, Hisar, 14-15th September, 2016.

Past Affiliation

2010–2015 **Five years and two months experience** of teaching during Ph.D. at Delhi Technological University to B.Tech.(**During Ph.D.**)

Courses taught and Lab Engaged (B.Tech)

- Engineering Mathematics, C Programming lab & Matlab Programming

2008–2010 **One and Half years** experience of teaching at the capacity of a **lecturer** at Sunderdeep College of Engineering and Technology (Affiliated to U.P.T.U, Lucknow), Dasana, NH-24, Ghaziabad, U.P., India

Courses taught (B.Tech)

- Engineering Mathematics–I, II, III & Numerical Analysis.

Events Organized at SDCET

- Co-ordinator of the quiz competition under the event “Imperia’09...A Majestic Association...!”, 2009.
- Was the **Judge** of the skit competition organised under the event “Imperia’09...A Majestic Association...!”, 2009.

Education

2010-2015 **Ph.D. (Mathematics)**, Delhi Technological University, Delhi, INDIA

Thesis Title **Differential Subordinations, Coefficients Estimate and Radius Constants of Certain Analytic Functions**

Supervisor **Dr. S. Sivaprasad Kumar**, Assistant Professor, Dept. of Applied Mathematics, Delhi Technological University, Delhi–110042, India.

Description This thesis explores various applications of differential subordination technique to solve the several problems in Geometric Function Theory. The thesis is mainly focused on subordination theorems, coefficient estimates and radius constants of analytic functions.

Area of Interest Differential Subordination and Superordination, Coefficient Estimates, Radius

Problems, Properties of Linear Operators.

Specialization Complex Analysis (Geometric Function Theory)

2005-2007 **M.Sc. (Mathematics)**, Udai Pratap College (Affiliate to Purvanchal University, Jaunpur), Varanasi, **Percentage-76**

2002-2005 **B.Sc. (Mathematics, Physics, Chemistry)**, Udai Pratap College (Affiliate to Purvanchal University, Jaunpur)

2002 **Intermediate (12th)**, U P Board, S H J Inter College, Kichhauchha, Ambedkar Nagar, U. P., **Distinction**- Mathematics, Physics.

2000 **High School (10th)**, U P Board, S B National Inter College, Baskhari, Ambedkar Nagar, U. P., **Distinction**–Mathematics.

Computing Skills

- C-Programming, Mathematica, Matlab.
- \LaTeX , DTP.
- Microsoft Windows–7, 8, XP & Vista.
- HTML and Wordpress web designing.
- Capable enough to rectify the computer related problems (software, windows and network related). Good command over trouble shooting software related problems.

Awards

- M.Sc. 1st year **Silver Medalist**, U. P. College, Varanasi, India.

Fellowship

- Aailed **JRF (Dec-2009 to Dec-2011)** Awarded by Delhi Technological University.
- Aailed **SRF (Jan-2012 to Dec-2013)** Awarded by Delhi Technological University.

Financial Support Aailed for Abroad Visit

- Financial support to attend the “20th International Conference on finite or infinite dimensional Complex Analysis and Applications-2012 (ICFIDCAA)” held at Hanoi, Vietnam during 29th July–3rd August, 2012.

Participation in Short–Term Training Programm

1. Attended Two weeks short term training program on “Advanced Web Designing” organized by Department of Applied Mathematics, Delhi Technological University, Delhi during 15–24 July 2014.
2. Attended Two weeks short term training programme on “SPSS (Statistical package for social sciences) and Matlab” Organized by Dept of Applied Mathematics, Delhi Technological University, during Feb 4–15th, 2013.

Membership of Academic Bodies and Societies

- Life member of Indian Mathematical Society, K-12-218
- Life member of Calcutta Mathematical Society, LK/37

Abroad Visits

- Visited, Vietnam during 29th July–3rd August, 2012 and presented research paper entitled “Subordination and Superordination for Multivalent Functions Defined by Linear Operators” in the 20th International Conference on finite or infinite dimensional Complex Analysis and Applications-2012 (ICFIDCAA).

Paper Presentation in International Conferences/ Seminars

1. Presented a research paper entitled “Subordination and superordination for multivalent functions defined by linear operators” the 20th International Conference on finite or infinite dimensional Complex Analysis and Applications-2012 (ICFIDCAA) held at Hanoi, Vietnam during 29th July - 3rd August, 2012.
2. Presented a research paper entitled “On Fekete-Sezegö problem for some subclasses of analytic functions defined by Hadamard product” in the International conference of mathematical sciences and applications, 18th December 2011, Delhi.

Paper Presentation in National Conferences/Seminars

1. Presented a paper entitled “Estimates for the initial coefficients of bi-univalent functions” in the national conference MMCS-12 at BHU-IIT, Varanasi, held during 23-26 March 2012.

Participation in International Conferences/Seminars/ Workshops

1. Attended “Advanced Training in Mathematics Workshop in Complex Analysis-2013 (ATMW-2013)” at Central University of Rajasthan, Bandarsindiri, Kishangarh during MARCH 15-19, 2013.
2. Participated in the International workshop on “Complex Analysis and its Applications (CAA-2012)”, held during 11-15 June-2012 at Walchand College of Engineering, Sangli-416415, Maharashtra, India.

Participation in National Conferences/Seminars/ Workshops

1. Participated in "One Day Seminar-Cum-Workshop on Mathematics and Computing", on 22nd March-2012, held at Delhi Technological University, Delhi.

Refereed Journal Publications

1. **Virendra Kumar** and S. Sivaprasad Kumar, On Certain Properties of Meromorphic Multivalent Functions Defined by a Generalized Differential Operator, **Accepted** in Acta Universitatis Apulensis, 2016.
2. R. M. Ali, **Virendra Kumar**, V. Ravichandran and S. Sivaprasad Kumar, Radius constant for analytic functions with fixed second coefficient, **Accepted** in KMJ, 2016.
3. S. Sivaprasad Kumar and **Virendra Kumar**, On the Fekete-Szegő inequality for certain class of analytic functions, Acta Universitatis Apulensis, no. 37/2014, 211–222.
4. S. Sivaprasad Kumar, **Virendra Kumar**, V. Ravichandran and N. E. Cho, Sufficient conditions for starlike functions associated with the lemniscate of Bernoulli, Journal of Inequalities and Applications 2013(2013), Art. 176, 13pp.
5. S. Sivaprasad Kumar, **Virendra Kumar** and V. Ravichandran, Subordination and superordination for multivalent functions defined by linear operators, Tamsui Oxford Journal of Information and Mathematical Sciences 29(3) (2013) 361–387.
6. S. Sivaprasad Kumar and **Virendra Kumar**, Some sandwich results associated with a generalized linear operator, ROMAI J., v.9, no. 2(2013), 107–118.
7. S. Sivaprasad Kumar and **Virendra Kumar**, Fekete-Szegő problem for a class of analytic functions defined by convolution, Tamkang Journal of Mathematics, 44(2013), no. 2, 187–195.
8. S. Sivaprasad Kumar and **Virendra Kumar**, Fekete-Szegő problem for a class of analytic functions, Stud. Univ. Babeş-Bolyai Math. 58(2013), no. 2, 181–188.
9. S. Sivaprasad Kumar, **Virendra Kumar** and V. Ravichandran, Estimates for the Initial Coefficients of Bi-univalent Functions, Tamsui Oxford Journal of Information and Mathematical Sciences, 29(4) (2013) 487–504.

Papers in Conference Proceedings

1. S. Sivaprasad Kumar and **Virendra Kumar**, On the Fekete-Szegő Inequality for a Class of Analytic Functions Defined by Convolution, Proceedings of the International conference CMCGS-2012, held at Singapore during 30–31 January 2012.

Communicated Manuscripts

1. **Virendra Kumar**, S. Sivaprasad Kumar and V. Ravichandran, Radius Problems for Starlike Functions Associated with Sine Function.

Manuscripts Under Preparation

1. **Virendra Kumar**, S. Sivaprasad Kumar and V. Ravichandran, Livingston Problem for analytic functions with pre-assigned second coefficient.

Editor/Reviewer to the Following Journals

- Member of "Asian Council of Science Editors".
- Bulletin of Malaysian Mathematical Society (BMMS).
- Kornoup Journal of Mathematics (KJM).
- Member of Editorial Board of Central University of Haryana Journal, An International Journal.

Collaboration

- Prof. V. Ravichandran, Department of Mathematics, University of Delhi, Delhi—110007, India. ✉ vravi@maths.du.ac.in
- Prof. N. E. Cho, Department of Applied Mathematics, Pukyong National University, Busan 608-737, South Korea. ✉ necho@pknu.ac.kr
- Dato' Prof. R. M. Ali, School of Mathematical Sciences, University Sains Malaysia (USM), 11800 Penang, Malaysia. ✉ rosihan@cs.usm.my

References

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Assistant Professor

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Dr. H. C. Taneja

Professor

Department of Mathematics

Delhi Technological University, Delhi, INDIA

E-mail: hctaneja@rediffmail.com, hctaneja@dce.ac.in, Phone: +91-9868645049

Personal Details

Father's Name	Shri Sankatha Prasad
Date of Birth	2nd July, 1984
Marital Status	Unmarried
Place of Birth	Uttar Pradesh
Nationality/Category	Indian/General

Languages

- Hindi, English (Writing, Reading and Conversationally fluent)

Interests/Hobbies

- Teaching

- Meditation

Declaration: I do hereby declare that all information furnished by me are true to my belief and knowledge.

Virendra Kumar