CURRICULUM VITAE

Dr.R.Bharavi Sharma

PERSONAL PROFILE:

1.	Name of the Candidate	:	R. BHARAVI SHARMA
2.	Father's Name & Occupation.	:	R. Anjaneyulu (Rtd. Teacher)
3.	Address	:	

Residence	**Office**
H.No. 2-4-10, Flat No.501	Department of Mathematics,
Dwarakamai Apartments,	Kakatiya University
Ramnagar, Hanamkonda,	Vidyaranyapuri, Hanamkonda
Warangal – 506 001.	Warangal – 506009.
Mobile No.: 9849550271.	Telangana.
9603135040.	Mail ID: rbsharma005@gmail.com,
	rbsharma005@kakatiya.ac.in.
	rbsharma_005@yahoo.co.in.

4.	Date of Birth	:	14-08-1970
5.	Place of Birth	:	Warangal

ACADEMIC PROFILE:

6. **Particulars of Educational Qualifications:**

- Passed SSC during the academic year 1984-85.
- Passed Intermediate during the academic period 1985-87.
- Passed B.Sc. (MPC) during the period 1987-90 from Kakatiya University.
- Passed B.Ed. (Mathematics) during the period 1991-92 from Kakatiya University.
- Passed M.Sc. (Mathematics) during the period 1992-94 from Kakatiya University.
- Completed Ph.D. (Mathematics) during the period 2004-09 from Kakatiya University.

Academic Position:

Assistant Professor,
Department of Mathematics,
Kakatiya University,
Vidyaranyapuri, Hanamkonda,
Warangal, Telangana.

TEACHING PROFILE:

26 years of Teaching experience as a Lecturer in Mathematics.

1. From 1994-2002 as a UG & PG Lecturer in the Department of Mathematics, Vaagdevi Degree & PG College, Hanamkonda.

2. From 2002-2007 as a UG & PG Lecturer in the Department of Mathematics, Bhargavi Degree & PG College, Hanamkonda.

3. From 2007-2008 as a UG & PG Lecturer in the Department of Mathematics, Vaagdevi Degree & PG College, Hanamkonda.

4. From 2008-April 2010 as a UG & PG Lecturer in the Department of Mathematics, Ganapathy Engineering College, Warangal.

5. From May 2010 to June 2013 worked as Asst. Prof. of Mathematics at University Arts & Science College, Kakatiya University, Warangal.

6. From June 2013 to till date working as Asst. Prof. of Mathematics at Department of Mathematics, Kakatiya University, Warangal.

SUBJECTS TAUGHT AT UG LEVEL:

Real Analysis, Group Theory, Rings & Fields, Linear Algebra, Differential equations, Vector Calculus, Numerical Analysis, Engineering Mathematics-1, Mathematical Methods, Special Functions, Complex Analysis. Three dimensional geometry

SUBJECTS TAUGHT AT PG LEVEL:

Advanced Complex analysis, Real Analysis-I, Real Analysis- II, Algebra, Complex Analysis-I, Complex Analysis-II, Discrete Mathematics, Numerical Analysis, Ordinary Differential Equations, Graph Theory, Partial Differential Equations, Theory of Ordinary Differential Equations. Topology

SUBJECTS TAUGHT AT PH.D LEVEL:

Advanced Complex analysis, Research Methodology.

RESEARCH PROFILE:

Area of Specialization	:	**Complex Analysis** (Pure Mathematics)
Title of Ph.D. Thesis	:	**Fekete-Szego Inequality for Some Sub-classes of Analytic Functions.**
Ph.D. Supervisor	:	**Prof. T. Ram Reddy** (Rtd.), Professor of Mathematics, Kakatiya University, Warangal, Telangana.

Phone: 9849803071,

Email: reddytr2@yahoo.com,

reddytr2@gmail.com

- No. of **Papers published** : 62
- No. of **Books Published** : 06
- No. of **Books under Press** : 02
- No. of **Major Research Projects** Completed : 01
- No. of **Collaborators** : 04
- No. of **Papers accepted** for Publication : 09
- No. of **Papers sent** for publication : 09
- No. of **Invited Talks** delivered : 01
- No. of Talks delivered as a **Resource Person** : 07
- No. of **Extension Lectures** delivered : 17
- No. of **Conferences** attended in **Foreign** : 01
- No. of **Conferences** attended : 27
- No. of **Workshops** attended : 07
- No. of **Papers presented** at conferences : 17
- No. of **Posters presented** at conferences : 02
- No. of **Conferences organized** : 03
- No. of **Training Programmes** attended : 04
- No. of **Orientation Courses** attended : 01
- No of **Refresher Courses** attended : 02
- No. of candidates **awarded Ph.D** : 02
- No. of candidates **submitted thesis** for Ph.D : 02
- No. of **Researcher Scholars** working for Ph.D : 05
- No. of **Short Term Courses** attended : 01
- No. of Online courses completed through MOOCS : 02

MAJOR RESEARCH PROJECT:

UGC sponsored Project entitled "**Applications of Coefficient Inequalities of Univalent Analytic and Multivalent Functions**", **UGC File No: F.42-24/2012(SR)** dated 12th March 2013 to 31st March 2016.

RESEARCH GUIDANCE:

Recognized as a Research Supervisor by Dean, Faculty of Science, order no. 435/DFS/KU/2012. [From May 29th 2012].

PH.D'S AWARDED, SUBMITTED & PURSUING

1. **Hari Priya Maroju** --- *Coefficient Inequalities for Some Subclasses of Univalent Multivalent Analytic Function* ---- Awarded on 16th December 2017.

2. **K.Rajya Laxmi** ---- *Coefficient Inequalities and Hankel Determinants for Some Subclasses of Bi-Univalent Functions*.---Awarded on 28th December 2018.

3. **B.Ravindar**--- *A Study on the Coefficient conjectures of Harmonic Univalent Functions*—Submitted Thesis

4. V.Suman Kumar- Coefficient Inequalities For Some Subclasses Of Analytic Functions.-Submitted Thesis.

ADMINISTRATIVE POSITIONS

➤ Nodal Officer for Kakatiya University (AISCHE) from November 2017.

➤ UGC Swayam Coordinator from Kakatiya University(UGC-MHRD) from February 2018.

➤ DOST Coordinator for Kakatiya University (TSCHE) from May 2018.

➤ Nodal Officer for Swachh Bharat Abhiyan (Summer Internship Programme) from April 2018.

ACADEMIC POSITIONS

1) Course Writer for Ambedhkar Open University, Hyderabad.

2) Author for S.Chand publishers

3) Author for Kalyani publishers.

4) Member on Board of Studies (B O S) of Mathematics ,Kakatiya University.

5) Member on Departmental Research Committee,(D R C),of Mathematics, Kakatiya University.

6) Member on Departmental Committee,(D.C) of Mathematics, Kakatiya University.

7) Member on Board of Studies of Reddy Women's college. Hyderabad.

8) Member on Board of Studies of Jayamukhi Engineering College,Warangal.

Collaborative Work:

1. In collaboration with **Prof.S.Latha** (Mysore University), myself and Dr.M.Hari Priya are doing collaborative work on *q-calculus*.

2. In collaboration with **Prof.G.Murugusundaramoorthy** (VIT Vellore), myself and Dr.M.Hari Priya are doing collaborative working *on Third Hankel determinants related to pseudo starlike functions.*

3. In collaboration with **Prof.G.Murugusundaramoorthy** (VIT Vellore), myself and Dr. K.Rajya Lakshmi are doing collaborative working *on Bi-Univalent Functions*.

4. In collaboration with **Dr.N.Magesh**(University Degree and P.G.College), Krishnagiri, myself and Dr. K.Rajya Lakshmi are doing collaborative working *on Conic Domains*.

5. In collaboration with **Dr.N.Magesh** (University Degree and P.G.College), Krishnagiri, myself and B.Ravindar are doing collaborative working *on Harmonic Functions*.

6. In collaboration with **Dr.K.Saroja** (Government Degree College, Guntur), myself and Dr.M.Hari Priya are doing collaborative working *on Negative Coefficients*.

LIST OF PUBLICATIONS

1. **R.Bharavi Sharma**. V.Suman Kumar. Zalcman conjecture and Hankel determinant of order three for starlike and convex functions associated with shell-like curves.

2. **R.B.Sharma,** Ganesh Koride and Rajya Laxmi Kalikota, Second Hankel determinant for Ma-Minda subclasses of Bi-Univalent functions- **Advanced Studies in Contemporary Mathematics** 29(2019), no.4, pp 521-535.

3. **R.B.Sharma**, V.Suman Kumar and M.Hari Priya, Third Hankel Determinant for Bazilevic functions Related to a Leaf like Domain--- **AIP Conference Proceedings,** 2112, 020088 (2019).

4. **R.B.Sharma**, Sumalatha Pulala and M.Hari Priya, Third Hankel determinant of Starlike functions with respect to Symmetric points subordinate to k-Fibonacci numbers --- **AIP Conference Proceedings**. 2112, 020069 (2019).

5. **R.B.Sharma,** Ganesh Koride and M.Hari Priya, Estimation of coefficient bounds for a subclass of analytic functions using Chebyshev polynomials**--AIP Conference Proceedings,** 2112, 020146 (2019).

6. **R.B.Sharma,** Ganesh Koride and Rajya Laxmi Kalikota, Coefficient bounds for a subclass of univalent functions using Chebyshev polynomial, **AIP Conference Proceedings,** 2095, 030006(2019).

7. **R.B.Sharma** and K.Rajya Laxmi, Second Hankel determinant of certain subclasses of bi-univalent functions by means of differential subordination, , **AIP Conference Proceedings,** 2095, 030020(2019).

8. **R.B.Sharma**, Sumalatha Pulala and M.Hari Priya, Second Hankel determinant for Bazilevic functions subordinate to k-Fibonacci sequence, **AIP Conference Proceedings,** 2095, 030027(2019).

9. **R.B.Sharma**, V.Suman Kumar and M.Hari Priya, Third Hankel determinant for α-convex functions related to a leaf-like domain, **AIP Conference Proceedings,** 2095, 030028(2019).

10. **R.B.Sharma** and K.Rajya Laxmi, Second Hankel Determinants and Fekete-Szego Inequalities for some sub-classes of Bi-Univalent Functions with respect to symmetric and conjugate points related to a Shell Shaped Region, **Analysis in Theory and Applications,** Vol.34(2)(2018), 358-373.

11. **R.B.Sharma**, M.Hari Priya and V.Suman Kumar, Kth root transformation for a subclass of Log-Sigmoid analytic function based on quasi-subordination, **International Journal of Engineering and Technology**, Vol.7(4.10), 2018, 1007-1010.

12. **R.B.Sharma** and B. Ravindar, On a Subclass of Harmonic Univalent functions Associated with the Differential Operator, **International Journal of Engineering and Technology**, Vol. 7 (3.3) (2018), 146-151.

13. **R.B.Sharma** , K.Rajyalaxmi and M.Hari Priya, Upper Bound of Second Hankel Determinants for Certain Subclasses of Bi-univalent Functions Using Subordination,

IOP Conf. Series: **Journal of Physics**-- Conf. Series 1000 (2018) 012093, doi :10.1088/1742-6596/1000/1/012093.

14. **R.B.Sharma** & M.Hari Priya , On a Class of Bounded Turning Functions Subordinate to a Leaf-Like Domain, IOP Conf. Series: **Journal of Physics**: Conf. Series 1000 (2018) 012056 doi :10.1088/1742-6596/1000/1/012056.

15. **R.B.Sharma** and B.Ravindar, On a subclass of harmonic univalent functions, IOP Conf. Series: **Journal of Physics**: Conf. Series 1000 (2018) 012115 doi :10.1088/1742-6596/1000/1/012115.

16. **R.B.Sharma** and B.Ravindar, On a Subclass of Harmonic Univalent Functions defined by Convolution and Integral Convolution, **International Journal of Pure and Applied Mathematics**, Volume 117 No. 7 2017, 135-145.

17. **R.B.Sharma** and K.Rajyalaxmi, Second Hankel Determinants for Some Subclasses of Bi univalent Functions Associated with Pseudo-Starlike Functions, Hindawi , **Journal of Complex Analysis**, Vol. 2017, Article ID 6476391, 9 pages(Scopus)

18. **R.B.Sharma**, K.Ganesh and K.Rajyalaxmi, Sandwich Type of Results for a Subclass of Pi-Like Functions, **International Journal of Pure and Applied Mathematics**, Vol.117, no.12(2017), pp.45-54.(Scopus).

19. **R.B.Sharma** and K.Ganesh, Sandwich Type of Results for ϕ -like Functions using Subordination, **International Journal of Mathematics Trends and Technology** (IJMTT) – Volume 49 Number 4 September 2017.

20. **R.B.Sharma** and M.Hari Priya, Coefficient Inequalities for Transforms of Analytic Functions through Generalized Differential Operator, **Palestine Journal of Mathematics**, Vol.6(Special issue-II), (2017), pp.231-240.ISSN: 2219-5688.(UGC Approved Journal No. 48859).

21. **R.B.Sharma** & M.Hari Priya, On a class of α -convex functions subordinate to a shell shaped region, **The Journal of Analysis**,Vol.1,(2017),pp.1-13.(Springer) (UGC Approved Journal, No.45575).

22. **R.B.Sharma**, K.Saroja and M.Hari Priya, Coefficient Inequalities for Transforms of Analytic Functions with Negative Coefficients, **International Journal of Computer and Mathematical Sciences(IJCMS)**, Vol. 5, issue 8 (August 2016), pp.5-14, ISSN 2347 – 8527.

23. **R.B.Sharma**, T.Ram Reddy & M.Hari Priya, Kth root transformations for some subclasses of alpha convex functions defined through convolution, **Novi Sad**

Journal of Mathematics, Vol. 46, No. 1 (2016), pp. 131-146. (Scopus UGC Approved Journal, No.26946).

24. **R.B.Sharma** and K. Rajyalaxmi, Coefficient inequalities of second Hankel determinants for some subclasses of bi-univalent functions, **Mathematics Journal**, Vol.4 (9),2016, doi:10.3390/math4010009.ISSN: 2227-7390

25. **R.B.Sharma** & M.Hari Priya, Coefficient Inequalities for transforms of analytic functions, **I-manager's Journal of Mathematics**, Vol. 4, No.4, October – December (2015), pp.34-40. ISSN-2277-5129, E-ISSN 2277-5137

26. **R.B.Sharma,** T.Ram Reddy and K. Rajyalaxmi, Certain Subclasses of Bi-Univalent Functions Involving Double Zeta Function. **I-manager's Journal on Mathematics**, 4(4), Oct-Dec (2015), pp. 28-33, Print ISSN 2277-5129, E-ISSN 2277-5137.

27. **R.B.Sharma** and K. Rajya Laxmi, Second Hankel determinant coefficients for some subclasses of bi-univalent functions, **Global Journal of Pure and Applied Mathematics (GJPAM)**, Vol. 11 No. 2 (2015), pp.89-92. (UGC Approved Journal, No.27985)

28. **R.B.Sharma** & M.Hari Priya, Kth root transformations for a subclass of analytic functions defined through a generalized operator, **Global Journal of Pure and Applied Mathematics (GIPAM)**,Vol. 11, No.2 (2015), pp.156-174, ISSN-0973-1768. (UGC Approved Journal, No.27985)

29. **R.B.Sharma** & M.Hari Priya, Kth root transformations for a subclass of analytic functions by Komatu integral operator, **Bulletin of Pure and Applied Sciences** Vol.34E(Math & Stat) issue no.1-2(2015), pp.23-46. (UGC Approved Journal, No.9585)

30. **R.B.Sharma**, M.Hari Priya and K.Saroja, A coefficient functional for transformations of starlike and convex functions of complex order - **General Mathematics Notes**, Vol.30, No.2, October 2015, pp.16-30, ISSN 2219-7184. (UGC Approved Journal, No.48874)

31. **R.B.Sharma**, T.Ram Reddy & M.Hari Priya, Kth root transformations for a subclass of P-valent functions—**Bulletin of Calcutta Mathematical Society**, Vol.107, (4) (2015), pp. 291-304.(UGC Approved Journal, No.9543)

32. **R.B.Sharma** & M.Hari Priya, Coefficient Inequalities for a subclass of analytic functions-**International Journal of Scientific and Innovative Mathematical Research**, Volume-3, special issue-1(July 2015), pp.38-46, ISSN: 2347-307X.

33. **R.B.Sharma** & M.Hari Priya, Fekete-Szego problem for a subclass of meromorphic functions with fixed residue d -**International Journal of Scientific and Innovative Mathematical Research**, Volume-3, special issue-1(July 2015), pp.38-46, ISSN:2347-307X.

34. **R.B.Sharma** & M.Hari Priya, Kth root transformations for some subclasses of close-to-convex functions. **The Proceedings of International Conference on Mathematics and its Applications** (ICMAA-2014), Volume-1, pp.115-127, ISBN: 978-81-923752-6-7.

35. **R.B.Sharma** & M.Hari Priya, Kth root transforms for quasi subordination classes. **The Proceedings of International Conference on Mathematical Sciences** (ICMS-2014), pp.68-77, ISBN: 978-93-5107-261-4. **(Published by Elsevier).**

36. **R.B.Sharma** & M.Hari Priya, Kth Root Transformation for some subclasses of analytic functions with respect to symmetric points. **The Proceedings of National Seminar on Emerging Trends in Mathematics and Computation**, pp.50-58(2014), ISBN: 978-93-82163-01-5.

37. **R.B.Sharma** & M.Hari Priya, Kth root transforms of some subclasses of analytic functions, **Proceedings of the 12th Annual Conference of the Society for Special Functions and their Applications** (SSFA), Jaipur, Rajasthan (India), Vol.12 (2013), pp.39-53.

38. **R.B.Sharma** & K.Saroja, A New Subclasses of K-Uniformly Starlike Functions with respect to Symmetric Points – **Far East Journal of Mathematical Sciences** , Volume 80, No.1, November 2013, ISSN: 0972-0871.(Scopus) (UGC Approved Journal, No.29237).

39. **R.B.Sharma** & K.Saroja, A Subclass of K-Uniformly starlike functions with negative coefficients-**IOSR Journal of Mathematics**, Volume 7, Issue 6, September 2013 pp.74-83, ISSN: 2319-765X.

40. **R.B.Sharma** & K.Saroja, Fekete-Szego inequality for some subclasses of analytic Functions- **International Journal of Mathematical Sciences and Applications** (IJMSA), Vol.3, Issue-1, 2013, ISSN: 2210-9888. (UGC Approved Journal, No.43193)

41. **R.B.Sharma**, T.Ram Reddy & K.Saroja, A New Subclass of Meromorphic functions with Positive Coefficients, **Indian Journal of Pure and Applied Mathematics**, 44(1), February 2013.(SCI), (UGC Approved Journal, No.20865)

42. **R.B.Sharma**, T.Ram Reddy & K.Saroja, Fekete-Szego inequality for some subclasses of analytic functions defined through convolution, **J.P.Journal of Mathematical Sciences**, Vol.4, Issue-1, 2012, pp.35-49, ISSN: 2248-9851.

43. **R.B.Sharma** & K.Saroja, Fekete-Szego inequality for certain subclasses of analytic functions of complex order, **The Proceedings of International Conference on Mathematical Sciences & Computer Engineering**, (ICMSCE-2012), pp.145-151, ISBN: 978-967-11414-1-0.

44. **R.B.Sharma** & K.Saroja, Fekete-Szego inequality for certain subclasses of analytic functions with negative coefficients, **The Proceedings of International Conference on Mathematical Sciences & Computer Engineering** (ICMSCE-2012), 152-155, ISBN: 968-967-11414-1-0.

45. **R.B.Sharma** & K.Saroja, A Coefficient inequality for certain subclasses of analytic functions of complex order, **J. P. Journal of Mathematical Sciences**, Vol.4, Issue-1, 2012, pp.25-34.

46. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego Inequality for some subclasses of analytic functions involving complex order, **Mathematical Sciences International Research Journal**, Vol.1,Issue-2, September 2012, ISBN : 1539-5738. (UGC Approved Journal, No.4066)

47. **R.B.Sharma** & K.Saroja, Coefficient Inequalities for certain subclasses of p-valent functions, **The International Journal of Mathematical Engineering and Sciences** (IJMES), Vol.1, No.8, 2012, India, ISSN: 2277-6982.

48. **R.B.Sharma** & T.Ram Reddy, Coefficient Inequalities for certain subclass of p-valent functions, **Bulletin of Pure and Applied Mathematics**(BPAM), Vol.6,No.1, 2012, 49-57, ISSN : 0973-5933. (UGC Approved Journal, No.9585)

49. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego inequality for some subclasses of analytic functions defined by a differential operator, **Indian Journal of Mathematical Sciences**, Vol.8, No.1, June 2012,141-152,ISSN: 0973-3329. (UGC Approved Journal, No.20865)

50. **R.B.Sharma** & T.Ram Reddy, A coefficient inequality for certain subclasses of analytic functions, **Indian Journal of Mathematics**, The Allahabad Mathematical Society,Vol.53, No.1, April 2011, ISSN: 0019-5324. (UGC Approved Journal, No.20865)

51. **R.B.Sharma**, T.Ram Reddy & K.Saroja, Coefficient inequalities for certain subclass of analytic functions, **International Journal of Mathematical Sciences and**

Engineering Applications, Vol.5, No.1, January 2011, PP.109-118, ISSN: 0973-9424.

52. **R.B.Sharma**, T.Ram Reddy & K.Saroja, Coefficient inequalities for a subclass of Pre-Starlike functions, **International Journal of Contempory Mathematical Sciences**, Vol.6, 2011, No.45, ISSN: 1312-7586.

53. **R.B.Sharma**, T.Ram Reddy & K.Saroja, Coefficient inequalities for a new subclass of K-Uniformly Convex functions, **International Journal of Computational Science and Mathematics,**Vol.2, No.1, 2010, pp.167-175, ISSN: 0974-3189.

54. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego inequality for certain subclasses of meromorphic functions, **International Mathematical Forum**, Vol.5, 2010, No.68, 3399-3412, Ruse, Bulgaria, ISSN:1312-7594.

55. **R.B.Sharma** & T.Ram Reddy, Coefficient inequality for certain subclasses of analytic functions, **International Journal of Mathematical Analysis**(Hikary Ltd), Vol.IV(2010), No.13-16, ISSN: 1312-8876.(UGC Approved Journal, No.23095)

56. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego inequality for certain subclasses of Starlike functions with respect to Symmetric Points, **International Journal of Mathematical Sciences and Engineering Applications** (IJMSEA), Pune, Vol.3, 2009, No.IV, pp.185-198, ISSN: 0973-9424.

57. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego inequality for certain subclasses of Bazelivic functions of Complex Order, **International Journal of Mathematical Sciences and Engineering Applications** (IJMSEA) Pune,Vol.3(2009), No.III, pp.97-108, ISSN: 0973-9424.

58. **R.B.Sharma** & T.Ram Reddy, Fekete-Szego inequality for certain subclasses of Non-Bazelivic functions of Complex Order**, International Journal of Mathematical Sciences and Engineering Applications** (IJMSEA) Pune, Vol.3 (2009), No.2 , pp.37-45,ISSN: 0973-9424.

59. **R.B.Sharma**, P.Thirupathi Reddy & B. Ravindar, On a subclass of meromorphically Starlike Functions with fixed inverse point, **International Journal of Multidisciplinary research and advances in Engineering** (IJMRAE, Pune), Vol. 1, November (2009), No. I, ISSN No: 1312 – 8876.

60. **R.B.Sharma** ,T.Ram Reddy & P.Thirupathi Reddy, New subclasses of meromorphic functions with alternating coefficients, **Bulletin of Pure and Applied Mathematics**(BPAM), Jodhpur Vol.2(2008), No.2, pp.206-215, ISSN: 0970-6577.(UGC Approved Journal, No.9585).

61. **R.B.Sharma,** T.Ram Reddy and P.Thirupathi Reddy, Some Applications of Differential Subordination involving Ruscheweyh Derivative, **International Journal of Mathematical Sciences and Engineering Applications** (IJMSEA) Pune, Vol.2(2008), No.2I, pp.59-63, ISSN: 0973-9424.

62. **R.B.Sharma**, T. Ram Reddy & P.Thirupathi Reddy, Differential subordination concerning Uniformly Convex and Uniformly close to convex functions, **International Journal of Mathematical Sciences and Engineering Applications** (IJMSEA, Pune), Vol.2 (2008), No. I, pp. 199 – 207, ISSN No: 0973 – 9424.

Papers Communicated

1. Second Hankel Determinants for some subclasses of Bi-univalent functions with Fekete-Szego¨ parameter - **Afrika Mathematika.**

2. Second Hankel determinants for pseudo–bi–starlike functions by means of Chebyshev polynomials--**Journal of Mathematical Inequalities.**

3. Meromorphic λ-Bi-Pseudo-Starlike functions of complex order involving the polylogarithm functions--- **Mathematica Slovaca**.

4. On a subclass of (j,k) symmetric functions quasi-subordinate to a leaf-like domain--- **The Journal of the Indian Mathematical Society.**

5. A study on some subclasses of univalent and bi-univalent functions associated with shell shaped region --- **Eurasian Mathematical Journal.**

6. Kth Root Transformation for a Subclass of Analytic functions related to Lemniscate of Bernoulli --- **ARPN Journal.**

7. Third Hankel determinants for a subclass of analytic functions of complex order-- **Thai Journal of Mathematics.**

    .

8. Third Hankel determinants for transforms of starlike and convex functions – **Malaysian Journal of Mathematics**.

9. Second Hankel determinant for Gamma-Starlike functions subordinate to k-Fibonacci numbers --- **Kyungpook Mathematical Journal.**

PAPERS ACCEPTED FOR PUBLICATIONS

1. Fekete – Szegö Inequality of Bi-Starlike and Bi-Convex functions of order b associated with symmetric q-derivative in Conic domains-**Studia Universitatis Babes-Bolyai Mathematica.**

2. Hankel determinants of third kind for a subfamily of analytic functions with respect to symmetric points associated with exponential function.- I R A J**..**

3. Certain Sandwich type results related to a subclass of Phi-like functions— **Journal of Physics Conference Series.**

4. Zalcman Conjecture and third Hankel determinant for Bounded turning functions related to Exponential function-- **Journal of Physics Conf. Series.**

5. Certain Subclasses of Harmonic Univalent functions defined by q-diffierential operator— **Journal of Physics Conference Series.**

6. Third Hankel determinant for the Bounded turning functions subordinate to k-Fibonacci sequence— **Journal of Physics Conference Series.**

7. Kth Root Transformation for a Subclass of Analytic functions related to Shell-like Curve --- **to be appear in Conference Proceeding.**

8. Third Hankel determinant for bounded turning functions subordinate to fibonacci sequence --- **to be appear in Conference Proceeding**

9. Coefficient estimates for some subclasses of Bi-univalent functions involving convolution---**General Mathematics Notes.**

10. On a certain subclass of Harmonic uniformly starlike functions --- **International Journal of Pure and Applied Mathematics.**

BOOKS PUBLISHED

1. *Abstract Algebra* – for B.Sc. II Year Students (III Semester)—**S.Chand Publishers** (Published in 2018)

2. *Differential Equations*—for B.Sc. I Year Students (Telugu Version)—**Kalyani Publishers** (Published in 2017).

3. *Analytical Skills*- (Telugu Version)—**Kalyani Publishers** (Published in 2018).

4. Three Dimensional Geometry-for B.Sc II Year students—**S.Chand Publishers** (Published in 2018).

5.Linear Algebra. B.Sc III year students – *S.Chand publishers.(2018)*

*6.Differential and Integral Calculus.-*B.Sc I year students- S.Chand publishers.(2020)

PAPERS PRESENTED AT CONFERENCES

1. *K-th Root Transformation for a Subclass of Analytic functions related to Shell-like Curve*, First International Conference on Recent Trends in Engineering, Materials, Management and Sciences, SBIT, Khammam from **25th to 27th Oct 2018**.

2. *An upper bound for the third Hankel determinant of Bounded Turning Functions subordinate to Fibonacci Sequence*, First International Conference on Recent Trends in Engineering, Materials, Management and Sciences, SBIT, Khammam from **25th to 27th Oct 2018**.

3. International Conference on Trends in Engineering, Management, Pharmacy and Science, Geethanjali College of Engineering, Hyderabad on **21st April, 2018**.

4. National Conference on Recent Advances of Mathematical Techniques in Science and Engineering, at Osmania University, Hyderabad on **30th to 31st July 2017**.

5. *Third Hankel determinants for transforms of bounded turning functions*, A three day International Conference on Mathematical Sciences & Engineering Applications held at Department of Mathematics, Baba Institute of Technology & Sciences, Vizag, Andhra Pradesh, from **23rd to 25th December 2016**.

6. *Coefficient Estimates for some subclasses of Bi-Univalent functions involving convolution*, UGC Sponsored a Two Day National Seminar on Recent Research Developments in Higher Education, held at A.C.College, Guntur, Andhra Pradesh, from **6th to 7th December 2016**.

7. *Third Hankel determinants for a subclass of analytic functions of complex order*, in the First Andhra Pradesh Science Congress held at Sri Venkateshwara University (SVU), Tirupathi, Andhra Pradesh, from **27th to 29th January 2016**.

8. *On a class of convex functions subordinate to a shell shaped region*, in the 81st Annual Conference of the Indian Mathematical Society held at Visvesvaraya

National Institute of Technology (VNIT), South Ambazari Road, Nagpur, Maharashtra, from **27th to 30th December 2015**.

9. ***Kth root transformations for a subclass of analytic functions defined through a generalized operator***, in the National Conference on Recent Developments in Mathematical Sciences and their Applications to Science & Technology held at VBIT, Ghatkesar, Hyderabad, from **11th to 13th December 2015**.

10. ***Fekete-Szego problem for a subclass of meromorphic functions with fixed residue*** d, in the International Conference of Mathematical Sciences held at Department of Mathematics, Sri Venkateshwara University, Tirupathi from **13th to 15th July, 2015.**

11. ***Coefficient Inequalities for certain subclasses of analytic functions of complex order***, in the National Conference held at Department of Mathematics Acharya Nagarjuna University, Guntur Campus, from **22nd to 23rd December, 2014**.

12. ***Kth root transformations for a subclass of analytic function by Komatu Integral Operator***, in the National Conference on Mathematics (Announcement of XXIII Congress), held at Division of Mathematics, Department of S & H, Vignan's University, Vadlamudi, Guntur from **12th to 14th December, 2014**.

13. ***Coefficient Functional for transformations of Starlike and Convex Functions of Complex Order*** -- National Seminar on Emerging Trends in Mathematics and its applications (NSETMA-2014), held at Department of Mathematics Acharya Nagarjuna University, Ongole Campus from **6th to 7th March, 2014**.

14. ***Coefficient Inequalities for transforms of analytic functions*** -National Conference on Recent trends in Mathematics, held at Department of Mathematics JNTU Anantapur from **21st to 22nd March, 2013**.

15. ***Coefficient Inequalities for transforms of Analytic Functions*** – International Conference on Mathematical Sciences, **28th to 31st December, 2012**, Nagpur.

16. ***Fekete-Szego inequality for certain subclasses of Analytic functions of Complex Order***–International Conference on Mathematical Sciences & Computer Engineering, (ICMSCE-2012), Koula Lumpur, Malaysia from **28th to 29th November, 2012**.

17. ***Fekete-Szego inequality for some subclasses of analytic functions involving complex order*** – Mathematical Sciences, International research Journal, sponsored by International Mathematical Research Foundation, held at Vijayawada on **13th and 14th September 2012.**

18. *Fekete-Szego inequality for certain subclasses of Meromorphic functions*, in the 19th Conference of APSMS-2010 and National conference on Cryptography and Network Security held at Jyothishmathi Institute of Technology and Science, Karimnagar from **12th to 14th November 2010**.

19. *Fekete-Szego inequality for certain subclasses of Analytic functions* in the UGC National Seminar on Advanced Techniques in Mathematics and Applied Mathematics and Applied Sciences held at Sri Krishna Devaraya University, Anantapur from **30th to 31st October, 2010**.

20. *Fekete-Szego inequality for a subclass of Analytic functions through Convolution*- in the National Conference on recent trends in Mathematical Sciences held at Department of Mathematics, Osmania University, and Hyderabad from **30th to 31st March 2010.**

21. *Fekete-Szego inequality for some subclasses of Bazelevic functions*- in the National Conference on Mathematical Modelling and emerging technologies held at Malla Reddy Engineering College, Secunderabad during **13th to 15th February 2009**.

POSTER PRESENTATIONS

1. *Second Hankel determinants of Bi-Starlike and Bi-Convex functions subordinate to shell shaped region* -- 2nd Andhra Pradesh Science Congress 2016, held at P.B. Siddhartha College of Arts and Science, Vijayawada, from 7th to 9th Nov, 2016.

2. *Hankel Determinants for bounded turning functions subordinate to a leaf-like domain* – 3rd Andhra Pradesh Science Congress 2017, held at Andhra University, Visakhapatnam during 7th to 9th Nov. 2017.

LIST OF NATIONAL AND INTERNATIONAL CONFERENCES ATTENDED

1. XXVI Congress of APSMS and National Conference on Recent Advances in Mathematics, held at Department of Mathematics, Kakatiya University, Warangal, Telangana, from 11th to 13th August 2017.

2. 3rd Andhra Pradesh Science Congress 2017, held at Andhra University, Visakhapatnam during 7th to 9th Nov. 2017.

3. A three day International Conference on Mathematical Sciences & Engineering Applications , held at Department of Mathematics, Baba Institute of Technology &

Sciences, Vizag, Andhra Pradesh, from 23rd to 25th December 2016.(Presented a paper).

4. XXV Congress National conference on Emerging Trends in Mathematical Sciences, Andhra Pradesh Society for Mathematical Sciences, held at Department of Mathematics, NBKR Institute of Science & Technology, Vidyanagar, SPSR, Nellore, Andhra Pradesh, from 9th to 11th December 2016.

5. UGC Sponsored a Two Day National Seminar on Recent Research Developments in Higher Education, held at A.C.College, Guntur, Andhra Pradesh, from 6th to 7th December 2016(Presented a paper).

6. 2nd Andhra Pradesh Science Congress, held at Department of Mathematics ,at P.B.Siddhartha College of Arts & Science, Vijayawada, Andhra Pradesh, from 7th to 9th November 2016(Presented a poster).

7. The First Andhra Pradesh Science Congress , held at Department of Mathematics, Sri Venkateshwara University (SVU), Tirupathi, Andhra Pradesh, from 27th to 29th January 2016(Presented a paper).

8. The 81st Annual Conference of the Indian Mathematical Society, held at Department of Mathematics, Visvesvaraya National Institute of Technology (VNIT), South Ambazari Road, Nagpur, Maharashtra, from 27th to 30th December 2015(Presented a paper).

9. National Conference on Recent Developments in Mathematical Sciences and their Applications to Science & Technology, held at Department of Mathematics, VBIT, Ghatkesar, Hyderabad, from 11th to 13th December 2015. (Presented a paper).

10. International Conference of Mathematical Sciences held at Department of Mathematics, Sri Venkateshwara University, Tirupathi from 13th to 15th July, 2015 (Presented a paper).

11. International Conference on Vibration Problems (ICOVP-2015)", held at Department of Mathematics, Kakatiya University, Warangal, from 18th to 20th February 2015.

12. National Seminar on Recent Developments in Mathematics and its Applications", held at Department of Mathematics, Acharya Nagarjuna University, Guntur Campus from 22nd to 23rd December, 2014.

13. National Conference on Mathematics (Announcement of XXIII Congress)", held at Division of Mathematics, Department of S & H, Vignan's University, Vadlamudi, Guntur from 12th to 14th December 2014

14. National Seminar on Mathematical and Statistical techniques", held at Department of Mathematics and Statistics, Sc.Women's Degree College, Kothagudem, from 26th to 27th August 2014.

15. National Seminar on Emerging Research Trends in Mathematics and Computation, held at Department 0f Mathematics and Statistics, RBVRR Women's College, Narayanguda, Hyderabad from 13th to 14th June, 2014.

16. National Seminar on Emerging Trends in Mathematics and its applications (NSETMA-2013), held at Department of Mathematics Acharya Nagarjuna's University, Ongole Campus from 6th to 7th March, 2013 (Presented a paper).

17. National Conference on Recent trends in Mathematics , JNTU, Anantapur from 21st to 22nd March, 2013.

18. International Conference on Mathematical Sciences, 28th to 31st December, 2012, Nagpur (Presented a paper).

19. International Conference on Mathematical Sciences & Computer Engineering, (ICMSCE-2012), Koula Lumpur, Malaysia from 28th to 29th November, 2012. (Presented a paper)

20. International Conference on Mathematical Sciences, International Research Journal, sponsored by International Mathematical Research Foundation, held at Vijayawada on 13th and 14th September 2012 (Presented a Paper).

21. 20th Conference of APSMS, organized by Swarnabharathi Institute of Science and Technology, Khammam and Department of Mathematics, Osmania University from 9th to 11th December 2011.

22. 19th Congress and national conference on Mathematical Aspects of Cryptography and Network Security, Organized by Department of Mathematics, Jyothishmathi Institute of Technology and Sciences and Andhra Pradesh Society for Mathematical Sciences, Karimnagar, Andhra Pradesh from 12th to 14th November 2010 (Presented a Paper)

23. U.G.C. National Seminar on Advanced Techniques in Mathematics and Applied Sciences, conducted by Dept. of Mathematics, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh from 30th to 31st October 2010 (Presented a Paper) .

24. National Conference on Recent Trends in Mathematical Sciences, held at Department of Mathematics, Osmania University, A.P., India in March 2010 (Presented a Paper).

25. National Conference on Applicable Mathematics in wave mechanics and vibrations, held at Department of Mathematics, Kakatiya University, A.P., India in March 2010 (Participated as a member of Organizing Committee).

26. National Conference on Mathematical Modelling in Emerging Technologies, organized by Andhra Pradesh Society for Mathematical Sciences and Malla Reddy Engineering College, Secunderabad from 13th to 15th February 2009.

27. 15th Congress of Andhra Pradesh Society for Mathematical Sciences, held at Department of Mathematics, Kakatiya University, A.P., India, from 11th to 13th August 2006 (Participated as a member of Organizing Committee).

LIST OF WORKSHOPS ATTENDED:

1. *"One day orientation workshop on Adoption, Promotion and Production of MOOCS on Swayam Platform"*, held at Moulana Azad National Urdu University, Hyderabad on 31st August 2018.

2. *"Two day National workshop on Linear Algebra, Real Analysis and Algebra"*, Department of Mathematics, Kakatiya University, from 28th to 29th Sep 2018.

3. *"Orientation workshop for Swayam Coordinators of Universities"*, held at AICTE office, New Delhi on 2nd February 2018.

4. *"SSPS 22 Application"*, held at Department of Computer Science, Kakatiya University, Warangal, on 5th July 2014.

5. *"International workshop on Complex Analysis and its Applications"*, organized by Walchand College of Engineering, Sangli, Maharashtra, sponsored by NBHM, from 11th to 15th June, 2012.

6. *"Two day National workshop on Graph theory and Statistics"*, held at Department of Mathematics, Kakatiya university, Warangal, Sponsored by U.G.C. from 28th to 29th February 2012.

7. *"National Workshop on Research Methodology in Sciences"*, organized by Department of Zoology, Kakatiya University, Warangal from 26th to 28th July, 2011.

8. *"A Workshop on Rings & Linear Algebra"*, held at Department of Mathematics, Kakatiya University, A.P., India from 13th to 14th July 2006 (Participated as a member of Organizing Committee).

TRAINING PROGRAMMES ATTENDED

1. *"Training Program to PG Teachers of Affiliated Colleges",* organized by Kakatiya university sponsored by APSCH from 25th April-1st May 2012.

2. *"A Training Program on Mathematical Programming and Advanced Analysis for Post Graduate Faculty of Affiliated Colleges*", organized by Department of Mathematics, Kakatiya University, Warangal from April 8th to 11th , 2011.

3. *"A Training Program on Multiple Integrals*", held at Department of Mathematics, Kakatiya University, A.P., India, on 31st July, 2010 (Participated as a member of Organizing Committee).

4. *"Training Program on Mat lab, Graphics and Latex",* held at Department of Mathematics, Kakatiya University, A.P., India, in March 2009 (Participated as a member of Organizing Committee).

INVITED TALKS

1. ***An Invited talk on the Occasion of Superannuation of Prof.Latha-***--- On a Subclass of (j,k) Symmetric Function Quasi-Subordinate to a Leaf Like Domain, held at the Department of Mathematics, Yuvraj Engineering College, Mysore University, Mysore on 29th January 2018.

BOOKS UNDER PRESS

1. **Three Dimensional Geometry** (Telugu Version)— for B.Sc Students- **Kalyani Publishers.**

2. **Real Analysis –B.Sc II year students.-S.Chand Publishers.**

AS A RESOURCE PERSON

1. ***On Mathematics Day*** at SPR School, Hasanparthy, on 22nd December 2018.

2. ***On Mathematics Day*** at Sri Chaitanya High School, on 21st December 2018.

3. ***On Mathematics Day at ABV Junior College***, Janagon, on 22nd December 2016.

4. ***One Day workshop on Differential Calculus and its Applications***, organized by the Department of Mathematics, S.R.R.Govt.Arts & Science College, Karimnagar and

supported by the Telangana State Council of Science and Technology on 24th October 2016.

5. ***One day Departmental Conference on implementation of CBCS for UG Courses*** in Mathematics, on 24th August 2016.

6. ***Training Programme to P.G. Teachers of Affiliated Colleges*** from 25th April to 1st May 2012 at Kakatiya University.

7. ***Orientation Programme to the Junior college lecturers of Telangana***, from 10th to 12th December 2015, on "Functions".

GUEST LECTURES/EXTENSION LECTURES

1. Extension lecture for B.Sc students on " **The Concepts of Vector Spaces and Linear Transformations**", on 01-12-2015 at **Kakatiya Mahila Degree College**, Warangal.

2. Extension lecture for B.Sc students on " **Rank-Nullity Theorem**" on 25-11-2015 at **Kakatiya Mahila Degree College**, Warangal.

3. Guest Lecture at **Mathru Sri Degree College for Women**, on "**Multiple Integrals**" for B.Sc III Year from 04-02-2014 to 05-02-2014

4. Guest Lecture at **Mathru Sri Degree College for Women**, on "**Multiple Integrals**" for B.Sc III Year from 04-02-2014 to 05-02-2014.

5. Guest Lecture at **Vaagdevi Degree & P.G. College** on "**Recurrence Relations**" for M.Sc I Year Mathematics on 27-12-2013

6. Guest Lecture At **Geethanjali Degree College For Women,** on "**Multiple Integrals**" for B.Sc III Year from 10-11-2013 to 11-11-2013.

7. Guest Lecture at **Sri Gayathri Degree & P.G.College** on "**Vector Spaces**" for B.Sc III Year from 22-08-2013 to 23-08-2013.

8. Guest Lecture at **Mathru Sri Degree College for Women**, on "**Real Analysis**" for B.Sc II Year from 14-7-2013 to 15-07-2013.

9. Guest Lecture at **Post-Graduate Centre Lal Bahadur College**, on "**Complex Analysis**" for M.Sc I Year II Semester from 12-03-2013 to 13-03-2013.

10. Guest Lecture at **Geethanjali Degree College for Women** on "**Vector Calculus**" for B.Sc III Year from 24-11-2012 to 25-11-2012.

11. Guest Lecture at **Sri Gayathri Degree & P.G. College** on "**Limits and Continuity**" for B.Sc II Year from 11-08-2012 and 12-08-2012.

12. Guest Lecture at **Geethanjali Degree College for Women** on "**Vector Calculus**" for B.Sc III Year from 24-11-2012 to 25-11-2012.

13. Guest Lecture at **Vaagdevi Degree & P.G.College** on "**Graph Theory**" for M.Sc II Year Mathematics on 23-12-2012.

14. Guest Lecture at **Lal Bahadur College**, Warangal on "**Complex Analysis**" for M.Sc(Mathematics) II semester students, from 12th to 13th March 2013.

15. Guest Lecture at **Sri Gayathri Degree & P.G.College** on "**Vector Spaces**" for B.Sc III Year from 22-08-2013 to 23-08-2013.

16. Guest Lecture at **Geethanjali Degree College for Women** on "**Multiple Integrals**" for B.Sc III Year from 10-11-2013 to 11-11-2013.

17. Guest Lecture at **Vaagdevi Degree & P.G. College** on "**Recurrence Relations**" for M.Sc I Year Mathematics on 27-12-2013.

CONFERENCES ORGANISED

1. Organized a *Training Program on LaTeX and Simulation* from 26th to 27th March, 2013, at University Arts & Science College, Warangal.

2. Organized a *One day Program on the occasion of Srinivasa Ramanujan* 125th Birth Day Celebrations on 22nd December 2012 and conducted an aptitude test for under graduate students at University Arts & Science College, Subedari, Warangal, Andhra Pradesh.

3. Organized a *One day Conference on Role of Mathematics in Industry from Employment Prospective* on 22nd December 2011 on the occasion of Srinivasa Ramanujan Birth Day at University Arts & Science College, Kakatiya University, Warangal, Andhra Pradesh.

ORIENTATION PROGRAMME ATTENDED

Attended a UGC sponsored orientation course from 28-09-2012 to 31-10-2012 at Academic Staff College, Osmania University, Hyderabad and obtained grade A.

REFRESHER COURSES ATTENDED

1) Attended a refresher course from 02-12-2013 to 21-12-2013 at Academic Staff College, JNTUH and obtained grade A.

2) Attended a refresher course from SWAYAM (Moocs) in November 2016.

SHORT TERM COURSES ATTENDED

1. Attended a UGC sponsored short term course from 06-03-2017 to 11-03-2017, held at JNTU Hyderabad on e-learning and ICT for teachers.

2. Enhancing Soft skills and Personality online course from Jan 2019 to 21st April 2019 by MHRD,

ACADEMIC ASSOCIATION

1. A Life Member in Andhra Pradesh State Mathematical Society Osmania University, Hyderabad.

2. Life Member in International Journal for Mathematical Sciences and Engineering. Applications, Pune, India.

3. Member in Departmental Research Committee from 8th July 2013[Ref Lt.No.142/M/UC/KU/2011, date 04-07-2013.

4. Convener for Departmental committee [D.C], order no. 748/A2/KU/2015/DC/Gen-04 [04-11-2015].

REFERENCES

1. Prof. T. Ram Reddy (Rtd.),
   Department of Mathematics,
   Kakatiya University, Warangal.
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DECLARATION:

The above information is true to the best of my knowledge.

(R.BHARAVI SHARMA)