

RESUME

**Dr. V. LOKESHA. Ph. D., D. Sc., F.S.Sc.,
Professor
Special officer (EVAL))**
Department of studies in Mathematics
Vijaya nagara Sri Krishnadevaraya University
Vinayaka Nagar
Bellary-583 105
e-mail: lokiv@yahoo.com
Phone (M): 91-8892531820



Date of Birth : March 10, 1973

Passport Number : L2730382
(Issue Date) : 12/6/2013

Father Name : Veerabhadraiah

Sex : Male

Permanent Address (Residential) : # 1119, I main,
II cross, Srirampura II stage
Mysore-23, India
Phone@: 9448345075

Qualification : D.Sc.,- Berhampur University
M.Sc., Ph.D.,
University of Mysore, Mysore

Date of joining the service : July 1995.

Specialization : Special Functions and Graph theory

Area of Research Work : **Functional Analysis, Graph theory
Operator theory, Mathematical
inequalities**

Ph. D Thesis (Title) : ***“STUDIES ON THEORY OF LINEAR
OPERATORS ON BANACH SPACES”***

Research Guide : Prof. **Huche Gowda,**

Rt. Professor and chairman
 DOS in Mathematics
 University of Mysore, Mysore.

D.Sc. Thesis (Title) : AN ELUCIDATIVE ANALYSIS ON
 MATHEMATICAL MEANS AND INEQUALITIES”

Research Guide : Prof. U.K.Misra,
 Rt. Professor and chairman
 DOS in Mathematics
 Berhampur University, Berhampur.

Teaching Experience:

Name of the Institution/University	Period of Service	Designation
DOS in Mathematics, VSK University, Ballari	31.10.2015 to till date	Professor
DOS in Mathematics, VSK University, Bellary	31-10-2012 to 30.10.2015	Associate Professor
MCA Institution, Acharya Institute of Technology, Bangalore	1-8-2009 to 31-6-2012	Director
Acharya Institute of Technology, Bangalore	1-8-2005 to 30-10-2012	Professor
Acharya Institute of Technology, Bangalore	1.5.2003-31.7.2005 1.10.2001 to 31-4-2003	Asst. Professor Lecturer
Vidya Vardhaka college of Engg. Mysore	1.9.1998-31.9.2001	Lecturer
J.S.S Institutions, Mysore	1.7.1995- 30.8.1998	Lecturer

Chairman for DOS in Mathematics from November 2014 to November 2016
Co-ordinator for DOS in Computer Science from November 2014 to November 2016.
Special officer for Examination section V.S. K. University from 10.5.2017 to till date
Special officer for Academic section of V.S. K. University from 27.1.2014 to 23.2.2016.
 10.6.2016 to 20.11.2016.
Deputy Registrar for Administration of V.S. K University from 20.7.2014 to 20.8.2014.
Faculty of Science Member from 2015 of V.S. K University.
Nodal officer for CBCS syllabus of V. S. K. University, Ballari from 1.10.2015-
 2.10.2016.
BOS Chairman, Department of Mathematics PG and UG from 2016- till date

Doctoral committee Chairman Department of Mathematics from 2016-till date.

International University Co-ordinator for Mekelle University, Ethiopia.

Mevlana Exchange Programme University Co-ordinator- Akdeniz University, Turkey
2014-2019

Mevlana Exchange Programme University Co-ordinator- Cankiri Karatekin University,
Turkey from 2017-2022.

- Professional Experience : Head, Dept. Mathematics
Director of MCA (March 07-September 07).
Research Centre In charge of Mathematics
from March 07-2012 to 1-8-2013
Director of MCA 07-2009-2013.
- Teaching and Research Experience : Research Experience 20 years
Teaching Experience 22 years
- Subject Taught : Functional analysis, Measure theory
Algebra, Linear Algebra, Real Analysis
Discrete mathematics, Numerical Analysis
Differential Equations. Graph theory
Graph theory and Combinatorics, Complex
analysis, Engg. Mathematics I –IV.
Operator Algebra and Operator theory
- Examiner (For U.G & P.G) : Kuvempu University, VSK University
Vishveswaraiah Tech. University, Belgaum.
U.V.C.E, Bangalore University, Bangalore
PESIT (autonomous), Bangalore.2007-08.
B.E.C(autonomous) Bagalkot, 2009-10
Malanada College of Engg., Hassan 08-09.
SIT&SSIT (autonomous) Tumkur 08-09-10
RV college,(autonomous),Bangalore 08-09-11
Dr.AIT (autonomous) Bangalore-10-11
BMS College(autonomous), Bangalore
M.S.R.I.T(autonomous) Bangalore-11-13.
RC University, Belgaum. RIE, Mysore.
Bangalore University, Kuvempu University
Karnatak University, Berhampur University.
- Board of Studies Member : V.S. K. University, (UG and PG), Bellary.
J.S.S. College,(Autonomous) Ooty Road,
University of Mysore, Mysore.(2005-2007).
B.E.C(autonomous) Bagalkot, 2011-12.

Board of Examiners Member : Vishveswaraiah Tech. University, (2010-11).
BOE Chairman : V.S.K. University PG, Bellary 2013-16

Board of Examiner Member : Kuvempu University 2016-17.
St.Philminous College(Autnomus)mysore 2016-18.
RCU Belagam and AU Vijayapura 2017

BOS Chairman(Maths) : VSK University 2016-17
DOS Chairman (Maths) : VSK University 2016-
BOS Member (UG) : Kuvempu University 2017
R.L.Sc. Institutue, (Autonomus), RCU,Belagavi 2018-

Awards/Certificate : National Graduate Physics Exams (1992)
“MDPCSL” (1993) Cash Prize
and Certificate(B.Sc).
“MDPCSL” (2003) Cash prize
and Certificate (Ph.D).
2000 Outstanding Intellectuals of the 21st
Century, 2010 GREAT BRITAIN.

**Mevlana Excahange Programme staff
2014- Akdeniz University, Turkey
ARP- Vision Group Science and
Technology-Karnataka- 2016-17.**

Member of the Educational Instit. : 1. Life Member, **Indian Mathematical society.**
2. Member of **RGMIA**, Australia,
3. Member of **Iranian Safety Science
Association**, Ahwaz, Iran
4. Life Member of **ISTE**, India
5. Life Member, **Jammu mathematical
Society.**
6. Life Member, **Ramanujan Mathematical
Society.**
7. Life Member, **Ultra scientist for physical
sciences.**
8. Life Member, **Indian Academy of
Mathematics, India 233**
9. Academic board member, **Asian School of
Management and Technology, INDIA**
10. **Member of European Mathematical
society From 2009.**
11. **Member of American Mathematical
society From 2011.**
12. **Member of Universal set of
Mathematicans from 2009.**

13. **Member of International Association of Engineers (IAENG) from 2010. Hong Kong. 107719.**
14. **Life member of Current science.**
15. **Member of Int. Linear Algebra Society, Canada from 2015.**
16. **Life member of Science congress (2015)**
17. **Life member of Orissa Mathematical society(2016)**
18. **Life member of Institute of Advanced Scientific Research (IASR). USA.from 2010 Dec.**

- Editor in Chief** : **1. Journal of Analysis and Computation. Serial publications (Bi-Annual), New Delhi Jan 2005- till date.**
2. Journal of Intelligence system research Serial publications (Bi-Annual), New Delhi Jan 2007- 2012
- Executive Editor** : **Bulletin of Pure and Applied Mathematics Scientific Publishers, Jodhpur.2010-2015.**
- Editor:** : **Contemporary Studies in Discrete Mathematics- 2017 onwards**
- Advisory Board** : **International Journal of Mathematical sciences and Engineering Applications, Pune.**
- Communications** : **Pacific institute of Mathematicial Sciences, Canada**
- Consultant Editor** : **1. Ultra Scientist of Physical sciences (M) Bhopal.**
2. General Mathematics Notes(ICSRS), Irbid, Hashemite Kingdom of Jordan.
3. International Journal of computer science engineering and information technology research- India
- Reviewer/referee** : **Zentrablast reviewer, Europe.**
American Mathematical reviews, USA
1. Advanced studies in contemporary Maths South Korea.
2. Journal of computer science and Mathematics, USA
3. Applied Mathematical letters, USA

4. Indian Academy of Mathematics, India
5. Proc. Jangjeon Math. Society, South Korea
6. Advances in Difference Equations, USA
7. Nonlinear Analysis, Theory, Methods and applications. Elsevier. USA.
8. Journal of scientific research, Bangladesh.
9. Journal of Inequalities and Applications. Hindwai, USA.
10. Filomat Journal. UK

Ph. D thesis evaluated (External) : 10 Different Universities of India. (25 Ph.D thesis).

Guidance : 10 students are awarded and 1 student final thesis is submitted and 7 Ph. D Students are working.

Ph.D Co-guided: 3(JAIN) Details: 1. Shiva putra 2. Kavita (VTU) P. 3. Chetan Research Supervision:

1. Ph. D student's details:

sl. N	Student name	Thesis title	Year / University
1.	S.PADMANABHAN	An Elucidative study on Mathematical Means	2005/V.M. U. Awarded in 2010 January
2.	K. M NAGARAJA	Studies on Mathematical Inequalities	REG:2007 MAY, VTU Awarded 2011
3.	M. A. RAJAN	On Investigation on various properties of graphs from spectral graph theory perspective.	REG:2007 SEP/VTU Awarded 2011.
4.	RANJINI. P. S	"Study on properties of certain class of Graphs and its Spectrum"	REG:2007 SEP/VTU Awarded 2011
5.	VIJAY S	"An Elucidative study on Signed Graphs and their Applications"	REG:2008 Dec/VTU Awarded 2013
6.	NAVEEN KUMAR	" An Elucidative studies on aspects of Mean convexities and results to mean inequalities".	REG:2010 Jun/VTU Awarded 2014
7.	SANDEEP KUMAR	"An anthology of Mathematical means and inequalities"	REG: 2011 May / VTU Awarded in 2016
8.	VAIDYA GURUNATH RAO	"The Core of cognition in the theory of signed graphs	REG: 2011 May / VTU Awarded in 2016
9.	PHANI RAJU M	Investigation on Various	REG: 2011 May / VTU

		Operators Of Graphs	Awarded in 2016
10.	BINDU SREE A R	Exploration Of Topological Indices On Certain Class Of Graphs	REG: 2012 May / VTU Awarded in 2018
11.	K. M. DEVENDRAPPA	An omnibus of topological indices on assorted category of graphs	REG:2014 May/VSKUB Final Synopsis submitted.
12.	DEEPIKA T	An Assortment of Topological indices allied to graphs	REG:2014 May/VSKUB Final Thesis submitted.
13.	SHRUTHI R	Exploration projected for graph associated to Topological indices	REG:2014 May/VSKUB Course work completed
14.	HEMAVATHI P.S	Contributions to topics in Graph theory	REG: 2016 April/VSKUB Course work completed
15.	MANJUNATH MUDDALAPURAM	Study on some Adriatic indices and related aspects	REG: 2016 April/VSKUB Course work completed
16.	SUSHMITHA JAIN	Contribution to swot up on topological indices in certain class of graph	REG: 2016 April/VSKUB Course work completed
17.	ZEB A YASAMIN K	Investigation for Topological indices on assured class of graph structures	REG: 2016 April/VSKUB Course work completed
18.	RAMYA	Noval Automated system to Predict the cocoon production using data mining techniques	REG: 2012 Jain University, Course work completed

2. Guided M.Phil student's details:

Sl.No.	Student name	Thesis title	Year / University
1.	M. A. RAJAN	A STUDY ON SPECTRAL GRAPH THEORY	2006 / ANNAMALAI UNIVERSITY.
2.	ANUPAMA S.B	A STUDY ON BANACH ALGEBRAS	2007/ALAGAPPA UNIVERSITY
3.	ARUNKUMAR GALI	A STUDY ON FINITE ELEMENT ANALYSIS	2007/ALAGAPPA UNIVERSITY
4.	JAGADEESH. S	A STUDY ON FACTORIZATION OF GRAPHS	2007/ALAGAPPA UNIVERSITY
5.	RAMU. S.T	A STUDY ON UNIVALENT FUNCTIONS	DEC 2007/ VINAYAKA MISSIONS UNIVERSITY
6.	YATISH.B	A STUDY ON TOPOLOGICAL, GROUP-THEORETIC VIEW POINTS ON COMPLEX ANALYSIS	DEC 2007/ VINAYAKA MISSIONS UNIVERSITY

7.	ROOPA. A.E	SOME STUDIES ON DOMINATION IN GRAPHS	2008/PERIYAR UNIVERSITY
8.	MANGALA GOWRAMMA .H	A STUDY ON DOMINATION THEORY OF GRAPHS	2008/PERIYAR UNIVERSITY
9.	SIDDALINGA SWAMY V.M.	SOME STUDIES ON DIRECTED GRAPHS	MAY 2008/BHARATHIAR UNIVERSITY
10.	PARAMESHA Y.P	A STUDY ON QUADRATIC FORMS AND GRAPHS	JULY 2008/ VINAYAKA MISSIONS UNIVERSITY
11.	ASHA. R	STUDIES ON EUCLIDEAN GRAPH AND HEISENBERG GRAPHS	JULY 2008/ VINAYAKA MISSIONS UNIVERSITY
12.	RAJAYOGAMANI. B.L	A STUDY ON KNESER GRAPHS AND RELATED TOPICS	JULY 2008/ VINAYAKA MISSIONS UNIVERSITY
13.	SHIVAPRASANNA. G.S	STUDIES ON MATHEMATICAL INEQUALITIES	JULY 2008/ VINAYAKA MISSIONS UNIVERSITY
14.	UMAVATHLA	A STUDY ON GRAPH LINK THEORY	DEC 2008/ VINAYAKA MISSIONS UNIVERSITY
15.	THULASI	ON STUDIES RELATED TO MINIMUM COVERING SETS IN PATHS AND CYCLES	DEC 2008/ VINAYAKA MISSIONS UNIVERSITY
16.	JAMEEMA NASREEN ALAM	CHARACTERISTICS OF DETERMINISTIC CHAOS WITH A CASE STUDY OF FINANCIAL MARKET	JAN 2009/ VINAYAKA MISSIONS UNIVERSITY
17.	SRINIVASA RAO .K	A STUDY ON A MEASURE-THEORETIC APPROACH TO THE THEORY OF DENSE HYPERGRAPHS	JAN 2009/ALAGAPPA UNIVERSITY
18.	VEERABHADRASWAMY.K.J	SOME STUDIES ON INTEGRATION WITH APPLICATIONS IN COMPLEX ANALYSIS	FEB 2009/ VINAYAKA MISSIONS UNIVERSITY
19.	GOUSE KHAN	FUNDAMENTALS ON PARTITION THEORY	MARCH2009/ VINAYAKA MISSIONS UNIVERSITY
20.	SHARATH KUMAR .H.C	SOME STUDIES ON L92,10-COLOURING IN GRAPHS	MARCH2009/ VINAYAKA MISSIONS UNIVERSITY
21.	PRATIMA A.N	SOME STUDIES ON FRACTIONALLY TOTAL COLORING IN GRAPHS	MARCH2009/ VINAYAKA MISSIONS UNIVERSITY
22.	GOPALA.B	SOME APPLICATIONS OF DIRECTED GRAPHS	2008/SRI VENKATESHWARA UNIVERSITY
22.	SANDEEP KUMAR	SHUFFL BIALGEBRAS	MAY2009/SRI VENKATESHWARA UNIVERSITY
23.	SHAZEEYA HASSAN	AN ELUCIDATIVE STUDY ON MODERN ANALYSIS	MAY2009/SRI VENKATESHWARA UNIVERSITY
24.	H. G. HEMA	AN ELUCIDATIVE STUDY ON DOMINATION IN GRAPHS	MAY2009/SRI VENKATESHWARA UNIVERSITY
25.	SWAROOPA.T.S	A STUDY ON EIGEN VALUES OF DERANGEMENT OF GRAPH	MAY2009/SRI VENKATESHWARA UNIVERSITY

26	MALLIKARJUN	STUDY ON CONCEPTS OF SET THEORY	MARCH2010/ MISSIONS UNIVERSITY	VINAYAKA
27	G. SUDHA PARIMALA	STUDY ON SPECTRAL THEORY PROSPECTIVE IN GRAPHS	DEC2010/SRI VENKATESHWARA UNIVERSITY	
28	SHAZIA NAZ A. S.	ROMAN DOMINATION IN GRAPHS	MAY2011/SRI VENKATESHWARA UNIVERSITY	

Research under Progress

: Gnan mean and Oscillatory means relations, Weighted products and its Monotonocities and inequalities, convexities, Zagreb index, schwaz index, sigraph, smoothness, and also investigating the properties of Zagreb index and Zagreb co-indices for different class of graphs.

Project Mentor: Department of Science and Technology (Women Scientist Scheme-A), Project no. SR/WOS-A/PM-43/2016 (Deepika T) From 2017 November-(Two years) Rs. 9, 70,000.

Marquis Who is Who, United states of America: Selected for inclusion in 11th Edition of 2011-12 for Biographical record in Science and Engineering of the world.

Review committee member of the Karnataka state school syllabus and CBSE (Mathematics) under the leadership of an eminent scholar Prof. Bargur Ramachandrapa in the August 2015.

Book Published: Engineering Mathematics- I, VTU 2014-15 onwards, Sapna Book House ISBN: 978-81-280-2395-8.

Engineering Mathematics- II, VTU 2014-15 onwards, Sapna Book House ISBN: 978--81-280- 2492-4

Edited and co-convener: Proceeding of National conference on Applied and Engineering mathematics, 28-39, July- 2011(with Dr. S. Padmanabhan).ISBN:

Proceeding of National Conference on Analysis and applications, on 22-23rd February 2013.(one of **Chief editor**)

Organizing Secretary: National Mathematical year 2012 VGST government of Karnataka, Bangalore, Veerashaiva College Bellary, Mathematical lecture series on 29/12/2012.

Organizer and Convener: 26th International conference of Jangiegon mathematical society, held at Acharya Institute of technology, Bangalore from 1st august 4th August 2013.

One of the Editors of the Proceeding of International Jangjeon Mathematical Society 2013.

One of the co-convener and secretary of the International conference on Emerging trends on Mathematical sciences, organized by DOS in Mathematics, V.S.K. University, Ballari, from 25th- 26th July 2014.

Co-convener of the Karnataka state science and technology, Karnataka, Conference held in VSK University, Ballari from 8-10th March 2017.

Convener of Karnataka State Science and Technology Sponsored PG Lecture series, Karnataka, Lecture series for PG students 9-10 November 2017.

I attended the meeting related to K-SET examinations and worked as **Chief Superintendent of VSK University campus** and successfully completed the K-SET examination December 2016.

I worked as External Observer of KSET examinations, Ballari section in 2013 and 2014.

I worked as **Chief Superintendent of Nodal centre**, VSK University campus and successfully completed the K-SET examination December 2017.

1. Lecture Notes: compiled for I semester Engineering Mathematics 2011-12

<http://elearning.vtu.ac.in/maths115.html>

2. Lecture Notes compiled for II semester Engineering Mathematics 2012.

<http://elearning.vtu.ac.in/Programme%2016/ENotes/Maths2/Unit1-VL.pdf>

3. Lecture Notes compiled for MCA Discrete Mathematical Structures 2012.

<http://elearning.vtu.ac.in/17/e-Notes/10MCA12/Unit7-VL.pdf>

<http://elearning.vtu.ac.in/17/e-Notes/10MCA12/Unit3-VL.pdf>

Papers referred in International books:

- Title: “Isometry on Banach Spaces” Volume – 2, 2008, Author: Richard J Flemings & James E Jamison, Published: Chapman & Hall/CRC, Monographs and Surveys, New york.
- Title: “Semi-Inner Products & Application” 2003, Author: S S Dragomir, Published: School of Computer Science and Mathematics, Victoria University, Victoria, Australia.
- Title: “Matrix Theory and Facts and Formulas” Edition 2, 2009, Author: Dennis S. Bernstein Published: Princeton University Press, USA.

Project Completed:

1. Mevlana staff exchange programme joint work with Prof. Simsek, Akdeniz University Turkey from 16 to 24 November 2014. In the project, I delivered 4 Main seminars for all the Faculty of Science community and researchers of Akdeniz University. I spent time discussions with students and researches for special sessions. Also, they had given positive contribution to research.

2. Prof. C. K. Gupta, FRS, Distinguished Professor, invited for collaborative Research work in the Department of Mathematics, University of Manitoba, Canada from 12th November -8th December 2015. In this project, we discussed on SDD index of graphs and its operations. I delivered some seminars and participated in others seminars. Also, Research article is communicated.

Visited Aboard:

1. **Mevlana Exchange Programme Selected as Visiting Staff Fellow** to Department of Mathematics, Akdeniz University, Turkey from 16 to 24 November 2014. I have delivered series of talk to students as well as staff members of the university.
2. International congress in Honour of Prof. R.P.Agrawal at the Uludag University, Bursa, **Turkey** delivered an invited talk (Title: Convexity and Schur Convexity on new means) and also chaired a session in the international congress. **23rd -26th, June 2014.**
3. 35th Annual Iranian Mathematical society conference 26-29th January 2005 visited **Azwaz, Iran** delivered an invited talk (Title: **Adjoint abelian and Iso-abelian operators**) and also **chaired** a session in the International conference.
4. 16th Jangjeon Mathematical society conference 4-6th July 2005 visited **Antalya, Turkey** delivered an invited talk (Title: **On semi inner product spaces**) in the International conference.
5. 20th Jangjeon Mathematical society conference 21-23rd August 2008 visited Bursa, **Turkey** delivered an invited talk (Title: **Gnan mean and its several arguments**) and also chaired a session in the international congress. **24th -29th visited Department of mathematics, Uludag University, as a visiting Professor.**
6. Participated and Delivered talks in the International conference of Jangjeon Mathematical society held at Kyungpook National University, Dheagu, South Korea **from** 11-18th 2009 **Title: Series of lectures on semi inner product spaces** and also chaired a session in the international congress.
7. **Visiting Professor** in the Department of Mathematics, Kwangwoon University, Seoul, South Korea from 19th -26th July 2009.
8. "The 10th International Conference 2009 on Nonlinear Functional Analysis and Applications" from July 27 to 31, 2009, at Gyeongsang National University, Chinju, and Kyungnam University, Masan, Korea delivered an invited talk (Title: **On strict convexity on g.s.i.p spaces**) and also chaired a session in the International conference.
9. 23rd Jangjeon Mathematical society conference 8-10 Feb 2010 visited **Ahwaz, Iran** delivered an invited talk (Title: **New means and its properties**) and also chaired a

session in the international congress and also chaired a session in the international congress (International Scientific committee member).

10. Delivered Special Lecture on **Functional analysis and its applications** in Ilam University, Ilam, Iran on 11th Feb. 2010.
11. **Visiting Professor** in the Department of mathematics, University of EVRY, France, from 17th-25th Oct. 2011.
12. **Visiting Researcher** in the Department of Mathematics, University of Manitoba, Canada from 12th November -8th December 2015.

Workshop Attended/Training :

1. Participated in the Course on **Capacity Building for SAKALA implementing officers**, organised by Government of Karnataka, Administrative Training Institute, Mysore, from 17-18 February 2014.
2. Participated in the **ATMW on Analysis and Geometry** (2014) conducted at TIFR Centre for Applicable Mathematics, Bangalore, on 6-10th January 2014.
3. Participated in the **Workshop** on `Recent advances in operator theory and operator Algebra` organized by Indian Statistical Institute, Bangalore, December 31, 2012-5-Jan 2013.
4. Participated has a resource person in the **Workshop on the generating functions and their applications** from 19th-21st oct 2011 in University of Evry France.
5. Participated has as a Resource person for one day National **Workshop** on “**Emerging Trends on Applied and Pure Mathematics**” Jointly organised Department of Mathematics and ISTE Chapter by STJ Institute of Technology, Ranibennur on 12th March 2011.
6. Participated in the **Workshop** on `Multi-Scale Analysis and Homogenization` organized by Indian Institute of Science, Bangalore, from 28th June -10th July 2010.
7. Participated in the **Workshop** on `solving nonlinear Polynomial Equations` organized by Indian Institute of Science, Bangalore, from 7th -19th June 2010.
8. Participated in the **Workshop on Current trends and research opportunities in Discrete mathematics**, Departmental and computation studies Research centre, Dr. Ambedkar Institute of Technology, Bangalore on 29th February 2008.

9. Participated in the **Workshop on Complex analysis**, Department of Mathematical and Computational Sciences, National Institute of Technology, Karnataka. Surathkal on June 1-5, 2007.
10. Participated in a **Faculty development program** on mathematical modeling of Engg. Problems (TEQIP) Malnad college of Engineering, Hassan 8-10th Sep 2006.
11. Participated in the **Workshop on `Mathematical Neuro Science-An introduction`** organized by Indian Institute of Science, Bangalore, July 27, 2005
12. Participated in the **Workshop on `Creativity`** held in ACIT, Bangalore on April 7-8th 2005.
13. Participated in the **Workshop on `Scheme of Discrete Mathematical Structures`** held in AMC College of Engg., Bangalore on 12th September 2004.
14. Participated in the **Summer School 2004** on Nonlinear Science organized by IISc. Bangalore on May 31st – June 5th, 2004.
15. Participated in the **Workshop on New syllabus for B.Sc.**, Mathematics held during 25-26, July -2000 at the Department of studies in Mathematics, UOM, Mysore.
16. Participated in the **Workshop on VTU syllabus Mathematics-IV** held at A.I.T, Chikmagalur on 9 April 2000.
17. Participated in the **Workshop on New syllabus for U.G and P.G**, Mathematics held during July 2015 at the VSK University, Ballari.
18. Part of the Workshop on NET/SLET/GATE examination for P.G students April 2016 at VSK University, Ballari.

List of Presented/ Participated in National/International Conferences :

1. Presented the paper entitled “**On Banach Algebras**” in the **International Conference** on Combinatorics, Statistics, Pattern Recognition and related areas organized by Department of studies in Mathematics & Statistics, University of Mysore held on December 28th - 30th, 1998.
2. Presented the paper entitled “**On a Class of operators on Banach spaces**” in the **International Conference** on “Geometry, Analysis, Fluid Mechanics and their applications” organized by Kuvempu University on 15th – 17th January 2000.
3. Participated in the **International Conference** on the “Works of Srinivasa Ramanujan” organized by University of Mysore, held on July 1st -2nd, 2000.

4. Presented a paper “**On Numerical range of linear operators on G.S.I.P spaces**” in the 66th National **conference** organized by Indian Mathematical Society in Aurangabad on 20th -22 December 2000.
5. Presented the paper entitled “**On Numerical Ranges**” in the **National Conference** on challenges of the 21st century in Mathematics and its allied topics held on 3rd - 4th Feb.2001, organized by University of Mysore, Mysore.
6. Participated in the **National conference** on “Recent Advances in Nonlinear Science 2002”organized by Indian Institute of Science, Bangalore, 31st July-August 2nd, 2002.
7. Participated in the **International conference** of the Joint India-AMS mathematics meeting held during 17th -20th December 2003 at IISC, Bangalore.
8. Presented a paper “**Some Results on Adjoint abelian and Iso-abelian operators on Banach spaces**” in the 14th **International conference** of the Jangjeon Mathematical Society held during 22nd -24th December 2003 at Mysore.
9. Participated in the **International Conference** on Nonlinear Phenomena (ICNP2004) from 5-10th January 2004 at IISC, Bangalore.
10. Participated in the **National seminar** on Graph theory and algorithms (DST Sponsored) from 10th -12th June 2006 at PESIT, Bangalore.
11. 16th Annual Jammu Mathematical society **National conference** 1st - 3th March 2006 visited Jammu delivered an invited talk (Title: *Adjoint abelian and Iso-abelian operators*) and also *chaired* a session in the National conference.
12. 19th Jangjeon **Mathematical society International conference** on 22nd - 24th Feb 2007, Bangalore University, Central college, Bangalore. (Local organizing committee member).
13. Delivered **invited Lecturer series** on spectral theory and commutative Rings to M.Phil students of **Maduari kamaraj university (DE)** study centre at Mysore, from 21-22nd May 2007.
14. Participated in the 22nd Annual **conference of Ramanujan Mathematical Society**, on June 6-8, 2007 Department of Mathematical and Computational Sciences, National institute of Technology Karnataka, Surathkal. Mangalore.

15. **National conference** 3rd- 4th November 2007 visited Berhampur university, Berhampur delivered an invited talk (Title: **Strictly convexity on g.s.i.p spaces**) and also *chaired* a session in the conference.
16. Presented a paper “*Knowledge Transfer Partnership (KTP) Towards the Future of Engineering Research – A Study*” in the 10th **ISTE Conference (National seminar)** held during 23rd-24th November 2007 at Acharya Institute of Technology, Bangalore.
17. Presented a paper *Gnan mean in ‘N’ variables and its monotonicity* in the **International Meet 52nd** Congress of the Indian society of Theoretical and applied Mechanics(**International Meet**) organized by BNMIT, Bangalore, held on December 14th -17th , 2007.
18. Delivered **Invited Lecturer** on *Mathematical Means and applications*, in **Mangalore university** Field Marshal K.M.Cariappa College **Madikeri** on 9th Feb 2008.
19. Participated in the 24nd **Annual conference of the Ramanujan Mathematical Society**, on May 11-13, 2009 Indian Statistical Institute, Bangalore.
20. Participated in the **National seminar** on Mathematics (Lecturer series I) Department of Mathematics, Central college campus Bangalore on May 18, 2009.
21. Participated in the **Conference on Analysis and its applications** of IISc Mathematics Initiative, held during 25th - 27th May 2009 at Department of Mathematics, IISc, Bangalore
22. Participated in the **One day symposium on Ramanujan`s Mathematics** (series II) Central college mathematical society, Department of Mathematics, Bangalore University on 15th July 2009.
23. Participated in the *II Indo-Brazilian Symposium in Mathematics*, in the Tata Institute of Fundamental Research, Bangalore during 14-18 December 2009.
24. Presented a paper “*An overview of Bench marking standards in indian higher education*” in the 39th **ISTE National annual convention & national conference on Managing technical education for leveraging innovation and Entrepreneurship** held during 18th-20th December 2009 at National Institute of Technology karnataka, Surathkal.

25. Participated in the **International Conference on Multi-Scale analysis and Homogenization** at IISc Mathematics Initiative (IMI), held during 12th - 14th July 2010 at Department of Mathematics, IISc, Bangalore
26. Delivered a Plenary talk in the National Conference on “**Recent Trend in Mathematical Analysis & Applications**” held during December 22nd-23rd 2010 at Department of Mathematics, Berhampur University, Berhampur, Odisha.
27. Participated in the **International conference on Recent Trends in Nonlinear Elliptical Partial Differential Equation**, in the Tata Institute of Fundamental Research, Bangalore during 6th - 8th January 2011.
28. Contributed as **Jury** in the 2 day National conference on Wireless control and Communication Technology (NCWCT 2011) at Dr.AIT, Bangalore during 27th and 28th April 2011.
29. Contributed as **Jury** in the First National conference on Computational control systems and optimization –CCSO2011 at Dr.AIT, Bangalore during 12th -13th May 2011.
30. Delivered an online Series Lectures on **Engineering Mathematics-I of VTU-EDUSAT Programme-15 from 08.08.2011 - 11.11.2011.**
31. Delivered an invited talk entitled “**An Excursion on mathematical means**” in the 77th Annual **conference of Indian mathematical society** organized by SRTM University in Nanded, Maharashtra, during 27th -30 December 2011.
32. Delivering an online Series Lectures on **Engineering Mathematics-II (Coordinator) of VTU-EDUSAT Programme-16 from 13.02.2012 to 19.05.2012.**
33. Participated in the U.G.C sponsored **National Conference (FAA-2012)** on Functional analysis and its applications, Department of Mathematics, P.E.S college of Science, Arts and Commerce, Mandya and University of Mysore from 17 - 18th Feb, 2012 (National committee member).
34. Participated in the **International conference on Advances in Nonlinear Partial differential equations** in the TIFR, Bangalore from 18th-20th June 2012.
35. Delivered an Invited talk entitled “**Expository study on means and inequalities**” in the International Conference on “**Analysis & Applications**” held during July

- 20nd-21rd 2012 at Department of Mathematics, Berhampur University, Berhampur, Odisha (organising committee member).
36. Delivering an online Series Lectures on **Discrete Mathematics** for MCA and CS/IS of VTU-EDUSAT Programme-17 from 1.9.2012 to 12.11.2012.
 37. Delivered a talk entitled “**Recent development on spectral graph and applications**” in the Mathematical lecture series organised by Government of Karnataka, Vision group of science and technology, Department of Information Technology, Bangalore, Bangalore V.V. Sanghas Veerashiva college, Bellary on 29/12/2012.
 38. Participated in the **International Conference** on “Recent advances in operator theory and operator Algebra” organized by Indian Statistical Institute, Bangalore, December 31, 2012 to 11th January 2013.
 39. Participated in the National Conference on Analysis and applications in Reva Institute of Technology, on February 22-23, 2013 (Scientific committee member and chaired a sessions in the conference).
 40. Participated in the 28th Annual **conference of the Ramanujan Mathematical Society**, on June 27-30, 2013, Reva Institute of Technology and Management, Bangalore.
 41. Chaired a session in the **TEQIP – II Sponsored National Conference On “Graph Coloring And Its Applications”** (On the occasion of 25th Monthly Informal Group Discussion under Academy of Discrete Mathematics and Applications, Bangalore Chapter) 27-28th July 2013, Dr.AIT, Bangalore.
 42. Special lecture on Graph theory in view of Science day on 28th February 2014, in Smt.ASM College for Women in Ballari.
 43. Chaired a session in the **National Conference on Recent Advances in mathematics** held on 24.01.2014, JSS college of Arts, Commerce and Science (Autonomous College), Mysore.
 44. Delivered an invited talk on 21.08.2014 in Department of Mathematics, Gulbarga University, Gulbarga, under DRS-III Phase Programme.
 45. Delivered an invited talk titled “**Focus on Mathematical Means and its convexity**” in the National Conference on Advances in Geometry, Analysis and Fluid Mechanics August 26th- 27th 2014 in Kuvempu University, Shimogga.

46. Delivered an invited talk in the National **conference on recent advances in Applied Mathematics** held on 11-12th September 2014, in the Department of Mathematics, Gulbarga University, Gulbarga.
47. Delivered an invited talk entitled “**Over view on mathematical means and its convexity**” in the U.G.C sponsored National seminar on “**Advanced Analysis & Applications**” held during September 20th-21th 2014 at Department of Mathematics, Chikiti mahavidyalaya, Chikiti, Berhampur, Odisha (Chaired a session).
48. Part of the International Conference on Mathematics - Yesterday & Today (ICMYT-2014) Sponsored by UGC held on 26-27th December 2014, JSS college of Arts, Commerce and Science (Autonomous College), Mysore.
49. Participated in the Karnataka Science and Technology Academy **Conference, on SCIENCE and SOCIETY**, on January 16th -17, 2015, Veerashaiva college, Ballari.(Poster)
50. Delivered an invited talk entitled **Birthday Lemniscuses: pi** on the occasion of National Pi day in the S.D.M. Institute of Technology, Ujire-574 240 on 14th March 2015.
51. Delivered an invited talk entitled **Topological indices on Graphs** in the National Level Seminar **New concepts in Graph theory** held on 24th August 2015, in the Department of Mathematics and statistics, AVS college of Arts and Science, Salem.
52. Participated in the **103rd Science Congress**, from January 3-7th, 2016, University of Mysore, Mysore.
53. Presented a article Topological indices on the Complement of mycieskian graphs, in the ICETEM-16, 12th and 13th January 2016, in Sreearayana Gurukulam college of Engineering, Kerala.
54. Delivered an invited talk entitled Graph **Model on Topological Indices Related to Human Lungs** held on 16 and 17th January 2016, in the 43rd Annual Conference of Odisha Mathematical Society, Orissa.
55. Delivered an invited talk entitled “**Schur convexity condition for narrative ratio of differnce of means**” in the 2nd **International Conference** on “Geometry, Analysis, Fluid Mechanics ” organized by Kuvempu University on 4th – 5th February 2016 (Chaired a session) .

56. Chaired a session in the UGC sponsored Two **National Conference on Recent Advances in Mathematics on Energy of graphs(NCEG-2016)** held on 11 and 12th March 2016, B.N. Bhadur Institute of Management Science Mysuru, Karnataka.
57. Delivered an invited talk entitled **A Bird view on symmetric division Deg index for certain class of Graphs** in the International Conference on **Discrete Mathematics -2016 and Graph theory Day –XII** on June 9- 11, 2016, in the Siddaganga Institute of Technology, Tumakuru.
58. Delivered a Lecture on Pre-University Mathematics Syllabus Training for PU college lectures at Nazeer Sabhagana, Zilla Panchayat Ballari on 28th and 29th July 2016.
59. **Delivered an invited talk entitled Analysis on Symmetric division deg index for assured class of graphs** UGC-SAP-DRS-NBHM) National Conference on **Geometry, Topology, and Their applications** (Chaired a session and Local organizing committee member) 3- 4th August, 2016 in Karnatak University Dharwad.
60. **Delivered an invited talk entitled Insight of Symmetric division deg index** in the (Chaired a session and Local organizing committee member) 29th International Conference on **Jangjeon Mathematical Society, South Korea (UGC- DST)**, 8- 10th August, 2016, Pondicherry University, Pondicherry, India.
61. **Poster & Participated** in the 9th KSTA annual conference on Science, tech. and Innovations in the 21st century 20th-21st December 2016, Christ University, Bangalore
62. **Chaired a session** and International committee member International conference on Mathematical Modeling (ICMM-2016), 23rd-24th December 2016, Don-Bosco Inst. Of Tech. Bangalore, India.
63. **Delivered an invited talk** entitled Topological Indices on Nanostructures in the One Day National Seminar On “NANOTECHNOLOGY FOR ENERGY, ENVIRONMENT AND HEALTH” 28th February, 2017 at NIE, Mysore
64. **Delivered an Invited talk** in the National level Seminar on Insight of complex analysis in Sri Kailash Womens college, Thalivasa, Salem on 7th July 2017.
65. **Delivered an Invited talk “A tour on Topological indices”** in the **1st International Conference** On Collaborative Research in Mathematical Sciences, in KG college of Arts and Science Coimbatore, Tamil Nadu, India On 23.09.2017(Chief Guest).
66. **Delivered an invited talk** entitled **A vista on Adriatic indices and its relevance** National conference on Recent Advances in Mathematical Sciences and Applications” Department of Mathematics, Tumakuru University, on 1-2nd December 2017.
67. **Delivered an Invited talk** entitled **Envisage on Topological indices**, international Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM-2018), 14-16th February 2018.(Reviewer and Chairperson in the Conference). Kongunadu Arts and Science College, Coimbatore.
68. **Chaired a Session** in the Karnataka state Science and Technology Academy organized two days conference in SG college, Koppal on 23-24th February 2018.
69. **Delivered an invited talk entitled Topological indices**, in National Seminar on Inventive Scenario in Modern Mathematics, PG and Research Department of Mathematics, in Voorhees College, Vellore on 8th March 2018.
70. **Delivered an invited talk Propel on Min-Max degree based Adriatic indices of various operations’ on certain class of graphs**, in the National conference on Analysis and applications in Karnatak University, Dharwad on 9-10th March 2018.

List of Publications

1. (With **Huche gowda**) *Generalized Orthogonal Projections on Banach spaces*, Acta Ciencia Indica Vol. XXIV M. No 3, (1998) 271-274. MR1697728.
2. (With **Huche gowda**) *On class of operators on Banach spaces*, Proc. of Int. conf. on Geometry, Fluid Dynamics and its related topics (AMFMA), Kuvempu University 62-66 (2000) .
3. (With **Huche gowda**) *On Class of Operators on Banach space*, Nonlinear Funct. Anal. and Appl., Vol. 6, no. 3(2001), 377-382(Korea). MR1875548
4. (With **Huche gowda**) *On Numerical range & spectrum of Linear Operators on G.S.I.P Spaces*, Journal Natural & Physical sciences 15(1-2) (2001), 25-30. MR1932191
5. (With **Huche gowda**) *A note on Characterization of Strict convexity*, Journal of Natural & Physical sciences 15(1-2)(2001), 39-43. MR1932192
6. (With **Huche gowda**) *On Nonlinear adjoint operators on Banach spaces*, Proc. Nat. Conf. on Challenges of the 21st century in Mathematics and its allied topics, University of Mysore, Ed: B.S. Kiranagi, 317-322 (2001)
7. (With **Mayi Gowda**) *Semi-inner-product spaces and its applications*, Proc. of History of Mathematics (2001), Nanital.
8. (With **Huche gowda**) *On Characterization of strict convexity*, Mathematical Forum Vol. XIV (2001-2002), 1-6 . MR2047853
9. (With **Huche gowda**) *On Normed linear spaces*, The Mathematical Education, Vol. XXXVI, No.2 June (2002), 83-86. MR1934395
10. (With **Huche gowda**) *Adjoint and Iso-abelian operators on Banach spaces*, Advanced Studies in contemporary Mathematics (ASCM). Vol. 4, No. 2, March (2002), 165-172. (Korea) MR1887612
11. (With **Huche gowda**) *On spectral Properties of operators on Banach spaces*, Far East J. Math. Sci.(FJMS) 6(3) (2002), 325-331.MR1939243
12. (With **Huche gowda**) *On Partial isometry on Banach spaces*, Applied Science periodical Vol. IV, no.3, August (2002), 131-134.
13. (With **Huche gowda**) *Some results on Adjoint abelian and Iso-abelian operators on Banach spaces*, Proc. of Jangeon Mathematical Society, 7(2004) 2, 117-123. (South Korea). MR2108603.
14. (With **Zhen-Gang Xiao, Zhi-Hua Zhang and Rong Tang**) *Two parameters the mean of n variables*, International Review of Pure and Applied Mathematics (Jan-June) (2005), 1(1), 93-111. MR2204446.
15. (With **Zhi-Hua Zhang and Yu-Dong Wu**) *Two weighted product type means and its monotonicities*, Journal of Inequalities in pure and applied Mathematics, RGMIA Research report collection (Australia), 8(1) Article 17, (2005).

16. (With **Zhi-Hua Zhang**) *The Weighted Heron mean in several variables*, Journal of Inequalities in pure and applied Mathematics, RGMIA Research report collection (Australia), 9(1) Article 6, (2005).
17. (With **Zhi-Hua Zhang and Zhen-Gang Xiao**) *The Weighted Heron Mean in N Variables*, Journal of Analysis and Computation, 1(1) (2005) 57-69. MR2293885
18. (With **Zhi-Hua Zhang and Yu-Dong Wu**) *The New Bounds of the Logarithmic mean* Adv. Stud. Contemp. Math. (Kyungshang) (ASCM). 11(2), (2005), (Korea),191-196. MR2169893
19. (With **Zhi-Hua Zhang**) *The Weighted dual Heron Mean in N Variables* Advanced Studies in contemporary Mathematics (ASCM) 13 (2), (2006),165-170. (Korea). MR2264306
20. (**Zhen-gang Xiao, K.M. Nagaraja, Zhi-Hua Zhang**)*Two parameter generalized weighted functional mean*, Journal of Inequalities in pure and applied Mathematics, RGMIA RRC(Australia), 9(1) Article 13, (2006) Australia
21. (With **Zhi-Hua Zhang**) *on Witzenboeck`s Inequality and its generalizations*, (communicated).
22. (With **Zhi-Hua Zhang and Jian Liu**) *An ERDÖ S-MORDELL Type Inequality on the Triangle* (South East Asian Journal of mathematics and Mathematical sciences)
23. (**Najafzadeh, Sh. Kulkarni, S.R**) *Study of univalent Holomorphic functions with negative coefficient by using generating fractional derivatives*, J. Appl. Math. Anal. 2(1) (2006) 85-96. MR2296990
24. (**Zhi-Hua Zhang and Yu-Dong Wu**) *Sharpening on Mircea`s inequality*, JIPAM, J. Inequal. Pure Appl. Math.8(4)(2007), article 116, pp6, Australia MR2366270
25. (**K.M. Nagaraja, Zhi-Hua Zhang**) *rth Oscillatory mean for several positive arguments*, Ultra Sci. for Phys. Sci, vol.18, 3M (2006). 519-522, MR2295231.
26. (**Zhen-gang Xiao, K.M. Nagaraja, Zhi-Hua Zhang**)*A class of New three parameter generalized weighted means*, International Journal of Applied mathematics and Statistics, 11(7) November, (2007) 193-202. MR2374695
27. (**K.M. Nagaraja**) *Relation between series and important means*, Advances in theoretical and Applied mathematics vol. 2(1) (2007) 31-36, MR2375810.
28. (**Ramesh Babu, B.N., and Nagabushan, B.S**) *Markov chains: An application for object-oriented Extensible Design patterns Based scenario templates for testing Embedded systems*, Journal of intelligent system research 1(2) (2007) 129-135.
29. (**Ranjini. P.S and K.A.Germina**) *Eigen values and Energy of group graphs*, Journal of intelligent system research 1(2) (2007) 105-109.
30. (**K. M. Nagaraja, Zh.-H.Zhang, and Zh.-G.Xiao**)*“A Generalization of the weighted Heron mean in ‘n’ variables”* The Aligarh Bulletin of Mathematics, 26(1) (2007) 41-46.
31. (**Xiao-Guang Chu, Zhi-Hua Zhang**) *A geometric Inequality for two interior points of the triangle*, Bulletin of Pure and Applied mathematics 1 (1) (2007) 1-5. MR2371494.
32. (**K.M. Nagaraja, Zhi-Hua Zhang**) *gnan mean for two variables*, Far. East J. Appl. Math. 31(2)(2008) 2 263-272. MR 2456008.

33. **(K.M. Niranjan, Poral Nagaraja)** “*Forbidden subgraphs for graphs with Quasi-total Graphs of crossing Number < 2*”, Journal of Intelligence system research 2(2) (2008) 109-113.
34. **(M. A. Rajan and Ranjini. P.S)** *Permanent of a Matrix – A combinatorial study of Graphs*, Proc. of Jangjeon Mathematical Society, 11(1)(2008) 97-104. (South Korea). MR2429335.
35. **(K.M. Nagaraja, M. Saraj and Padmanabhan. S.)** *Oscillatory mean for several positive argument*, Journal of intelligent system Research, 2(2) (2008) 137-139.
36. **(K.M. Nagaraja and S. Padmanabhan)** *A simple proof on strengthening and extension of Inequalities*, Advanced Studies in contemporary Mathematics (ASCM) 17 (1), (2008). 97-103 (Korea). MR2428540.
37. **(Hong-Cai Luo, Zhi-Hua Zhang, and Zhi-Gang Wang)** *Monotonicities and Schur-Convexity for a Type of Symmetric Mean Value*, 11(3) (2008) RGMIA, Australia.
38. **(K.M. Nagaraja and Y. Simsek)** *New Inequalities on the homogeneous Functions*, J. Indones. Math. Soc. 15(1), (2009). 49-59 Indonesia. MR2664369
39. **(P. Siva Kota Reddy and S. Vijay)** *The Triangular Line n-Sigraph of a Symmetric n-Sigraph* Advanced Studies in contemporary Mathematics (ASCM) 19(1), 123-129, (2009). (Korea) ISSN: 1229-3067, MR2542128.
40. **(P. Siva Kota Reddy and S. Vijay)** *nth power signed graph*, Proc. of Jangjeon Mathematical Society, 12(3)(2009) 307-313 (South Korea). MR258276
41. **(Zhi-Gang Wang, Zhi-Hua Zhang and S. Padmanabhan)** *The Stolarsky Type Functions and Their Monotonicities*”, Hacettepe Journal of Mathematics and statistics, 38 (2) (2009), 119 – 128 Turkey. **MR2561392**
42. **(K.M. Nagaraja, S. Padmanabhan and Y. Simsek)** *Relation between Greek means and various means* General mathematics, 17(3) (2009) 3-13 Romanian. MR2656751
43. **(Yu-Dong Wu and H. M. Srivatasava)** *Another refinement of polya-szego's inequality* Journal of Computer science and Mathematics, **60(3), (2010) 761-770, ISSN: 0898-1221. USA. MR2665550**
44. **(K.M. Nagaraja, Naveen Kumar. B, S. Padmanabhan)** *Oscillatory type mean in Greek means*, Int. e-Journal of Engg. Maths Theory and Applications, 9(3), Sept (2010), 18-26 ISSN 1687-6156. Egypt. Impact factor. 2.35
45. **(Naveen Kumar B, K. M. Nagaraja, Abdelmejid Bayad and M. Saraj)** *New Means and its Properties*, Proc. of Jangjeon Mathematical Society, 14(3) (2010) (South Korea). 243-254. MR2664369
46. **(P. Siva Kota Reddy and Gurunath Rao Vaidya)**, *The Line n-sigraph of a symmetric n-sigraph-III*-Int. J. Open Problems in Computer Science and Mathematics, 3(5), (2010) 172-178. ISSN 2074-2827.
47. **(P. Siva Kota Reddy and S. Vijay)** *nth power signed graphs II*, Int. J. of Mathematical combinatorics 1 (2010) 74-79 (China). MR2662418
48. **(P. Siva Kota Reddy and Gurunath Rao Vaidya)** *A Note on Smarandachely Consistent symmetric n-marked Graphs*, International J. Math. Combin, 3 (2010) 41-44. China
49. **(P. Siva Kota Reddy and B. Prashanth)**, *Smarandachely t-Path Step Signed Graphs*-. Scientia Magna, Vol. 6 (3) (2010), 45-48. ISSN:1556-6706,

50. (**P. Siva Kota Reddy and Gurunath Rao Vaidya**), The Line n -sigraph of a symmetric n -sigraph-II- Proc. of Jangjeon Mathematical Society, 13(3) (2010), 305-312. (South Korea).
51. (**B. Chaluvvaraju and C. Nandeesh Kumar**), *The Dual Neighborhood Number of a Graph*, Int. J. Contemp. Math. Sciences, Vol. 5, 2010, no. 47, 2327 - 2334
52. (**M. A. Rajan and Ranjini. P.S**) *on Zagreb indices of the subdivision graphs*, Int. Journal of Math. Sci. & Engg. Appls., 4, IV (2010), 221-228. ISSN: 0973-9424.
53. (**Zhen-gang Xiao, K.M. Nagaraja, Zhi-Hua Zhang**) *The Generalized Weighted Elementary Symmetric Mean*, Ultra Scientist for Physical Sciences, 22(2)M, August (2010) 651-657. ISSN.0970-9150
54. (**Açıkgöz, M., Bayad, A., and Simsek, Y**) *q -Frobenius-Euler polynomials related to the $(q-)$ Bernstein type polynomials*, Numerical analysis and applied Mathematics: International Conference of Numerical Analysis and Applied Mathematics 2010: CP1281, pp. 1156-1159, American Institute of Physics 978-0-7354-0831-9. (INDEX: SCI). Edited by T. E. Simos, G. Psihoyios, and Ch. Tsitouras.
55. (**K.M. Nagaraja, Naveen Kumar. B, S. Padmanabhan**), Extension of homogeneous function, Tamsui Oxford Journal of Mathematical Sciences 26(4) (2010) 443-450.ISSN:1561-8307.
56. (**Madhu B. K. Megha Jigalur**) A study on Agile Software testing- Emergence and Techniques, African Journal of Mathematics and computer science Research, Nov. 3(11) (2010), 288-289, ISSN 2006-9731.
57. (**M. A. Rajan and Ranjini. P.S**) Connectivity index of Graph operators Ultra Scientist for Physical Sciences, 22(4)D,(2010). ISSN.0970-9150. Impact factor 0 .028
58. (**Ranjini P. S**) *The Smarandachely-Zagreb Indices on the three graph Operators*, International J. Math. Combin., 3 (2010) 1-10. China ISSN 1937-1055
59. (**P. Siva Kota Reddy and Gurunath Rao Vaidya**) *Switching equivalence in symmetric n -sigraphs-III*, Int. J. of Math. Sci. & Engg. Appls., 5(1) Jan(2011)95-101 (ISSN: 0973-9424, Pune).
60. (**M. A. Rajan and Ranjini. P.S**) *On Zagreb indices of the p -subdivision graphs* , J. Orissa Math. Sco., 30 (1) (2011) 71-79.
61. (**K.M. Nagaraja, S. Padmanabhan, Zhi-Hua Zhang**) *gnan mean and dual for “ n ” variables*, International Journal of pure and applied mathematics 72(1)(2011) 1-10. Bulgaria **0.254 (2011)** ISSN 1311-8080 . ISSN 1314-3395
62. (**K. M. Nagaraja, Naveen Kumar B, Sandeep Kumar**) *Ratio of difference of means and its convexity*, International e Journal of Mathematics and Engineering 2(1) 932-936(ISSN: 0976-1411). (2011).
63. (**Ranjini. P.S**) *Eccentric Connectivity Index, Hyper and Reverse-Wiener indices of the Subdivision Graph* General Mathematics Notes, 2(2), 2011.Art.14 ISSN:2219-7184
64. (**Naci cangul and Ranjini. P. S**) *On the Zagreb Indices of the Line Graphs of the Subdivision Graphs*, Applied Mathematics and computation 218(3): 699-702 (2011)USA. 1.54

65. (**M. A. Rajan and Ranjini. P. S, Phani Raju**) *On The Shultz Index of The Subdivision Graphs* Adv. Stud. Contemp. Math., Kyungshang 21, No. 3, 279-290 (2011) MR2664369.
66. (**M. A. Rajan and Ranjini. P.S**) *The Wiener Polynomial for the Subdivision Graphs*, Chinese Journal of Engineering mathematics, June 28 (3)(2011)3-11.
67. (**M. A. Rajan and Ranjini. P.S**) *On Series-Edge Graph Transformation*, Proc. Jangjeon Math. Soc., 15(1)(2012), (South Korea) ISBN:89-87809-15-3, ISSN:1598-7264.
68. (**M. A. Rajan, I. Naci Cangul**) *On New Euler-Ramanujan-' Graphs* (communicated).
69. (**M. A. Rajan and Ranjini. P.S**) *On New Vertex Naturally Labeled Graphs*, Int. e-Journal of Mathematics and Engineering, (IeJMAE), 2(1)(2011), 992-999 ISSN:0976-1411.
70. (**M. A. Rajan and Ranjini. P. S**) *On Study Of Vertex Labeling Graph Operations*, Journal of scientific research, Bangladesh J. Sci. Res. 3 (2), 303-309 (2011).
71. (**M. A. Rajan and Ranjini. P.S**) *On Some Properties of Splitting of Graphs* Antarctica Journal of Mathematics, 8 (2)(2011) 103-108. ISSN: 0972-8643.
72. (**K. M. Nagaraja Naveen kumar B and Y.D Wu**), Schur convexity of Gnan mean for two variables, Notes on Number theory and discrete mathematics, Bulgaria17(4) (2011) 37-41, ISSN 1310-5132.
73. (**K. M. Nagaraja Naveen kumar B and Sandeep Kumar**), Solution to open problem by J. Rooin, Notes on Number theory and discrete mathematics, Bulgaria 17(4)(2011), 33–36 ISSN 1310-5132.
74. (**Ranjini P. S**) *On the Bounds of the largest eigen value and the Laplacian energy of certain class of graphs*, Scientia Magna, vol. 6 (3) (2011) 13-17. ISSN: 1556-6706,
75. (**M. A. Rajan and Ranjini. P.S**) *The Wiener Polynomial for the Subdivision Graph II*, Involve, Mathematical Sciences Publishers, USA 2011(accepted) ISSN 1944-4184 ISSN 1944-4176 .
76. (**P. Siva Kota Reddy, S. Vijay and B. Prashanth**), *Some Properties on Super Line Signed Graph $L_3(S)$* . Jouranl of Anal. And Comp. 7(1) (2011), 23-26.
77. (**Yu-Dong Wu and H. M. Srivatasava**) **A new refinement of the janous-gmeiner inequality for a triangle**, Computers & Mathematics with Applications 62, No. 5, 2349-2353 (2011). Impact factor: 1.457
78. (**Roshni Kanth, Madhu B K**), *Concise study of Progressive Documentation and its adaptation to Agile Software Testing"*, 3 (1) *Int. J. of Ele. Comm.& Comp. Eng.*(ISSN: 2249 - 071X)IJECCEP (2012), 7-9
79. (**Ranjini P. S**) *On the Szeged Index and the PI Index of the subdivision Graphs*, Bulletin of Pure and Applied mathematics, 6(1), (2012) , 5-12 .
80. (**Yilmaz Simsek, Abdelmejid Bayad**) *q-Bernstein polynomials related to q-Frobenius–Euler polynomials, l-functions and q-Stirling numbers*, Math. Meth. Appl. Sci., (2012) DOI: 10.1002/mma.1580 John Wiley & Sons, U.K 0.84

81. (**Harish R, Madhu B.K**) *A Sophisticated Study on Best Practices of Agile Software Testing*, Int. J. of Ele. Comm.& Comp. Eng page. 3(1), 26-30 (ISSN : 2249 - 071X) IJECCE(2012).
82. (**Ranjini P. S and M. Phani Raju**) *Bounds On The Szeged Index And The Pi Index In Terms Of Second Zagreb Index*, Int. J. of Mathematical combinatorics 1 (2012) 47-51.(China). ISSN 1937-1055.
83. (**Ajitha V, K. L. Princy, P. S. Ranjini**) *On Square Difference graphs*, Int. J. of Mathematical combinatorics 1 (2012) 31-50. (China). ISSN 1937-1055.
84. (**Madhu B K Roshni Kanth, Sanjay K Nagendra**) *Theory and Procedures of Multidisciplinary Agile Software Testing Team*, International Journal of Engineering Research & Technology (IJERT) 5(1), July- 2012, ISSN: 2278-0181
85. (**Shwetha Shetty, Ranjini P.S Abdelmejid Bayad**), A comparative study of topological indices and molecular weight of some Carbohydrates, J. Indian Acad. Math. 34, No. 2, 627-636 (2012). ISSN:0970-5120.
86. (**Shwetha Shetty, Ranjini P.S, K.C. Das**), *Computing some topological indices of smart polymer* Digest Journal of Nanomaterials and Biostructures 7(3)(2012) p. 1097 – 1102, **Romanian**, Impact factor. ISSN 1842-3582 IF. 2.079.
87. (**K. M. Niranjan P. Nagaraja**) **Semi-Image Neighborhood Block Graphs with Crossing Numbers**, J. Sci. Res. **5** (2), 295-299 (2013) ISSN: 2070-0237 (Print); 2070-0245 (Online).
88. (**Shwetha Shetty, Ranjini P.S, I.N. Cangul, A.S. Cevik**), New bounds for Randic and GA indices, Journal of Inequalities and Applications (2013)180 1-7 USA, Impact factor. ISSN 1029-242X-2013-180.
89. (**Ranjini P.S M. Bindusree and M. Phani Raju**), New Bounds on Zagreb indices and the Zagreb Co-indices, Bol.Soc. paran., Mat. (3S) 31(1)(2013) 51-55. Brazil.
90. (**P. S. Ranjini And Usha A**) Relation Between Phenylene And Hexagonal Squeeze Using Harmonic Index, **International journal of graph theory 1(4), 2013, 116-121. ISSN 2320 – 6543.**
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1. The modified shultz polynomial for the subdivision graph of certain classes of graphs.
2. Convexities of Stolarskys mean with respect to well known means(Sampathkumar)
3. Minimum Dominating Partition Energy of a Graph(Hemavathi)
4. Generalization of Bipartite Graphs(Hemavathi)
5. Note on (i,j) -Distance Graph of a Graph(Hemavathi)
6. Recoking of the Dissimilar Topological indices of Human liver(Shruthi)
7. Adriatic indices and Sanskruti index envisage of carbon nanocone(Manjunath)
8. Operations of Triglyceride via Adriatic indices(Manjunath)
9. On the Sanskruti index of certain line graph of subdivision graphs(Devendraiah)
10. Inverse Problem for the Second Zagreb Index, Forgotten Index and Hyper-Zagreb Index(naci)
11. Ciphering on Min-Max degree based Adriaticindices appropriate to certain class of derived-regular graph(sushmita)
12. On the modified shultz index of the subdivision graphs(shwet)

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Name & Designation	
Dr. N. M.Bujurke INSA Senior Scientist Pawate Nagar, Karnataka University, Dharwad INSA Scientist Department of Mathematics, Karnataka University, Dharwad	
Dr. G. D. Veerappa Gowda Professor and Dean TIFR- CAM, Department of Mathematics, Bangalore	
Prof. Sampath Kumar, Ret. Professor Department of Mathematics University of Mysore, Mysore	
Dr. Chandrashekar Adiga Professor, DOS in Mathematics, University of Mysore,	

Mysore

Dr. Huche Gowda
Retd. Professor and Chairman
DOS in Mathematics,
Mysore University, Mysore.

Dr. U. K. Misra
Retd. Professor,
Dept. of Mathematics,
Berhampur University,
Berhampur, Orissa.