

Biodata of

**Dr. N. B. RAMACHANDRA, Ph.D, FASc**

**PROFESSOR & CHAIRMAN**

Department of Studies in Genetics and Genomics

**Chairman-** Board of Studies in Genetics and Genomics

**Deputy Coordinator** for UGC-SAP (CAS-1), DOS in Zoology

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1. Date of Birth: 31.05.1958

2. Educational Qualification:

Degree	Subject	Year	University	Class
	Zoology (Genetics)	1982-88	Mysore Manasagangotri	Awarded
Ph.D. Thesis title: Contributions to population cytogenetics of <i>Drosophila</i> : Studies on interracial hybridization and B-chromosomes				
M.Sc.,	Zoology (Cell Biology)	1980-82	Mysore Manasagangotri	2 <sup>nd</sup> Rank 1 <sup>st</sup> Class
B.Sc.,	Chemistry, Botany and Zoology	1977-80	Mysore Cauvery College Gonicoppal Kodagu	1 <sup>st</sup> Class

3. Area of Specialization: 1) ***Drosophila* Genetics and Evolution**

2) **Human Genetic Diseases and Genomics**

4. Research & Teaching Experiences

Sl. No.	Date & Duration	Experiences
1	13. 07. 2015 – current	<b>PROFESSOR AND CHAIRMAN</b> , Department of Studies in Genetics and Genomics, Univ. of Mysore, Mysuru
2	12.07. 2007- 12.07.2015	<b>PROFESSOR OF ZOOLOGY (GENETICS)</b> , Coordinator for M.Sc Genetics, DOS in Zoology, Univ. of Mysore, Mysore
3	12.07.2007- 01.04.1999	<b>READER</b> , DOS in Zoology, Univ. of Mysore, Mysore
4	31.03.1999 - 01.04.1994	<b>SENIOR LECTURER</b> , DOS in Zoology, Univ. of Mysore, Mysore
5	July - June 2001	<b>VISITING PROFESSOR-</b> course taught- GENETICS AND DEVELOPMENT, Dept. of Zoology, Univ. of Innsbruck, Austria

6	27.09. 2000 - 01.10. 1999	<b>SENIOR RESEARCH ASSOCIATE II</b> – Cell, Molecular and Developmental Biology, University of California, Los Angeles, USA
7	31.03.1994 - 05.09.1992	<b>LECTURER</b> , Department of Studies in Zoology, University of Mysore, Mysore.
8	04.09.1992 - 19.02. 1990	<b>POSTDOCTORAL FELLOW</b> - MOLECULAR GENETICS, Department of Biochemistry, McMaster University, Hamilton, Canada.
9	18.02.1990 - 01.04.1989	<b>RESEARCH ASSOCIATE (CSIR)</b> - SPECIATION GENETICS & HONARARY LECTURER, Dept. of Zoology, Univ. of Mysore.
10	31.03.1989 - 04.04.1988	<b>RESEARCH ASSOCIATE (ICMR)</b> - HUMAN GENETICS, Dept. of Human Genetics, NIMHANS, Bangalore.
11	03.04.1988 - 27.12.1986	<b>SENIOR RESEARCH FELLOW</b> - SPECIATION GENETICS, Dept. of Zoology, Univ.of Mysore, MYSORE and LECTURER, Department of Biology, SBRR Mahajana College, Mysore (01.10. 1987 to 31.0.31988 – Temporary).
12	26.12.1986 - 27.12.1982	<b>RESEARCH FELLOW (UGC)</b> (As JRF & SRF)-DROSOPHILA GENETICS, Department of Zoology, Univ. of Mysore, Mysore.

#### 5. Awards/ Recognitions:

Sl.No.	Year	Recognition	Institution
1	2017	<b>Elected Fellow of Indian Academy of Sciences, FASc. 2017</b>	Indian Academy of Sciences, Bengaluru-80
2	2016	Centenary Year 1016-2016 - <b>Golden Jubilee foundation Award for Science</b> – Sir C.V. Raman award for 2014-15 (24.07.2016)	University of Mysore, Mysuru
3	2015	<b>Dr. Raja Ramanna Scientists State Award</b> for the year 2014 for his exceptional contribution to Science Education (Award presented on 30.12.2015)	Government of Karnataka, State Council for Science and Technology, IISc., Bangalore and Department of Information Technology and Science & Technology, Karnataka Govt. Secretariat, Bangalore
4	2015	<b>Prof. G. K. Manna Memorial Award of ISCA</b> for the year 2014-2015 (Award presented on 04.01.2015)	102 <sup>nd</sup> Indian Science Congress, held at University of Mumbai, ISCA, Kolkata
5	2014-2016	Organizing <b>Local Secretary for 103<sup>rd</sup> Indian Science Congress</b> , 3 <sup>rd</sup> -7 <sup>th</sup> January 2016, (From August 2014)	University of Mysore, Mysore

6	2013	<b>Award for Research Publications</b>	Government of Karnataka Vision Group on Science and Technology, Department of Information Technology, Biotechnology & Science and Technology, Bangalore
7	2011	<b>DST Travel Grant Award</b> for the International meeting	12 <sup>th</sup> International Congress of Human Genetics, Montreal, Canada
8	2008	<b>Sir C.V. Raman Young Scientist State Award</b> for the year 2007 for his exceptional contribution to Life Sciences	Government of Karnataka and State Council for Science and Technology, IISc., Bangalore
9	2008- 2012	<b>Editorial Board Member</b> (4 years)	7 <sup>th</sup> Editorial Board of Zoological Research, The Chinese Academy of Sciences, China
10	2001	<b>VISITING PROFESSOR-</b> to teach course on- Genetics and development	Dept. of Zoology, Univ. of Innsbruck, Austria
11	1999- 2000	<b>Senior Research Associate II award</b>	University of California, Department of Cell Molecular and Developmental Biology, Los Angeles, USA
12	1990 - 1992	<b>Post Doctoral Fellow Award</b>	McMaster University, Department of Biochemistry, Canada
13	1990	Government of India Nehru Centenary British Fellowship ( <b>common wealth</b> ) Award	Department of Biological sciences, Warwick University, Coventry, United Kingdom (not availed).
14	1982	<b>II Rank</b> in M.Sc	DOS in Zoology, Univ. of Mysore.
15	1980	<b>"Best boy of the college"</b> award	Cauvery College, Gonicoppal, Univ. of Mysore.

#### 6. Number of Research Projects:

##### i) Completed: 16

Sl. No.	Principal Investigator (PI) or Co- PI	Title	Funding agency	Year	Amt In lakhs
1	PI	Unraveling the adaptive genome evolution by whole genome sequencing of <i>Drosophila nasuta nasuta</i> and laboratory	DBT, New Delhi	2015-2018	70.494

		evolved four hybrid strains, Cytoraces			
2	PI	Genetics of Autism	UGC, New Delhi (Major Research Project)	2015-2018	15.76
3	PI	Genetics and Genomics of <i>Drosophila</i> and human	UGC-BSR One Time Grant	2014-2015	Rs. 7 lakhs
4	PI in India	Development of an automated and low-cost handheld device for diagnosis of tuberculosis	International collaborative research project with McMaster University, Canada - Shastri Research Grant (SRG)	15.03.2014 to 26.05.2014	1.09 lakhs (from CAN \$10,000)
5	Co PI	A Comprehensive Screening Of ADAM33 Gene Polymorphisms: Relationship To Asthma And Airway Obstruction	*ICMR, New Delhi	2011-2014	19.00
6	PI in India	Fast, affordable, easy to use TB and MDRTB handheld tester for use in poor resource settings	International collaborative research project with McMaster University, Canada for Grand Challenges Canada Ref: 5-85510	1.3.2013 to 28.2.2014	\$7,458 CAD (Rs. 3,96,878 /-)
7	PI	Genetic analysis of Dyslexia – Linkage analysis of susceptible genes for Dyslexia (SR/SO/HS-103/2007 dt: 05.03.2009)	DST (Health Science), New Delhi	June 2009- August 2012	37.00
8	PI	Screening for Dyslexia phenotypes and their molecular genetic analysis (SR/CSI/14/2008 dt: 09.01.2009)	DST (Cognitive science Initiative), New Delhi	April; 2009- March 2012	28.00

9	PI	Molecular genetic analysis of Congenital Heart Diseases (No. 27(0156/06/EMR-II dt: 19.10.2006)	CSIR (Health Science), New Delhi	Jan.2007-Mar.2010	18.00
10	Co-PI (PI: Prof. H. A. Ranganath)	Unit on Evolution and Genetics (SR/SO/LU-01/2003 dt: 16.11.05 )	DST (IRPHA scheme) New Delhi	2006-2010	1320
11	PI	Genetic analysis of language disorder with special reference to Dyslexia (No. F.39-4(6)/2002-2003/FAVO dt: 19.02.2003)	Central Institute of Indian Languages, Mysore	2003-04	1.00
12	PI	Isolation and analysis of mutations involved in the indirect flight muscle development in <i>Drosophila</i> ( No. SP/SO/C-25/98 dated 20.2.2002)	DST, Animal PAC, New Delhi	2002-05	12.00
13	Co-PI (PI: Prof. Shankara Bhat)	Isolation and characterization of fimbrial antigen from enterotoxigenic <i>E. coli</i> & developing antibodies in chicken eggs	Neobiotics India Pvt. Ltd, Mysore	2001-03	2.12
14	Co-PI (PI- Prof. H. A. Ranganath)	Hybridization and Racialiation in <i>Drosophila</i> II phase (SP-SO/C-51/98 Dated.07.07.2000)	DST (Animal PAC), New Delhi	2000-05	10.00
15	Co-PI (PI- Prof. H. A. Ranganath)	Hybridization and Racialiation in <i>Drosophila</i> (SP/SO/C-11/94 Dt: 5.07.1995)	DST, (Animal PAC), New Delhi	1995-99	17.00
16	PI	Studies on the development of Indirect flight muscles in <i>Drosophila</i> (SP/SO/D-72/93 DT:7.4.1995)	DST (Biochemistry -Molecular Biology PAC)	1995-99	7.20

**ii) On-going : 01**

Sl. No.	Principal Investigator (PI) or Co- PI	Title	Funding agency	Year	Amount In Lakhs
1	PI	Postgraduate Diploma Program in Personalized Genomic Medicine (PGDPGM)	DBT, New Delhi	2019- 2020	88.35

**Summary of the Research and Administrative credentials**

1. Number of **Ph.D.** Candidates successfully **completed** ..... **22**
2. Number of **Ph.D.** Candidates currently **working** ..... **09**
3. Number of **M. Phil** Candidates successfully **completed** ..... **02**
4. Number of **summer students** allotted by the **Indian Academies** of Sciences worked under me..... **09**
5. Research Publications: **229**
  - i) Publications in peer-reviewed journals ..... **129**
  - ii) Publications in conference proceedings ..... **09**
  - iii) Gene / DNA sequences in NCBI, USA..... 63
  - iv) Research notes in Drosophila Information Service, USA... **14**
  - v) Books / Documentation..... **14**

Presentation in Seminars and Conferences..... **224**

h-index : **22**

i10-index: **52**

Total citations: **1500+**
6. Academic, Administrative and Professional responsibilities held.. **106**

## I. LIST OF PUBLICATIONS

### i) PUBLICATIONS IN PEER-REVIEWED JOURNALS: 129

<i>Sl.No.</i>	<i>Year</i>	<i>Details of publications</i>
1.	2018	Sangeetha V, Avinash MV, Mahesh PA, Jayaraj BS, Chaya SK, and <b>NB Ramachandra</b> Haplotype analysis of ADAM33 polymorphisms in Asthma: A pilot study from South Indian population. <i>Indian J Med Res</i> , Accepted
2.	2017	Megha N Murthy and <b>NB Ramachandra</b> Prioritization of differentially expressed genes in Substantia nigra transcriptomes of Parkinson's disease reveals key protein interactions and pathways, <i>Meta Gene</i> , 14:12-18 (IF:1.27)
3.	2017	Somanna AN, Sumana MN, Amruthavalli C and <b>NB Ramachandra</b> Detection of first line drug resistance mutations and drug-protein interaction dynamics from Tuberculosis patients in South India, <i>Microbial Drug Resistance</i> , doi/abs/10.1089/mdr.2017.0048 (IF:2.306)
4.	2017	Ashitha SNM, Avinash M Veerappa and <b>NB Ramachandra</b> Whole exome sequencing of discordant diseases in monozygotic twins with Down syndrome reveals mutations for Congenital Heart Defect and Epileptic seizures, <i>Meta Gene</i> , 12: 134-137 (IF:1.27)
5.	2017	Tejaswini Prakash, Avinash M Veerappa and <b>NB Ramachandra</b> Complex interaction between HNRNP mutations and risk polymorphisms is associated with discordant Crohn's disease in monozygotic twins, <i>Autoimmunity</i> (IAUT) DOI: 10.1080/08916934.2017.1300883 (IF:2.9).
6.	2017	Raviraj V Suresh, Narayanappa D , Savitha R. M., Ambika S. Udupa, Kusuma Lingaiah, Sunil Kumar Polapalli and <b>NB Ramachandra</b> Association of <i>RFC1</i> A80G gene polymorphism with advanced maternal age in risk of Down syndrome, <i>Current Medicine Research and Practice</i> , 7:6-10
7.	2017	Raviraj V Suresh, Kusuma Lingaiah , Avinash M Veerappa and <b>NB Ramachandra</b> Identifying the risk of producing aneuploids using meiotic recombination genes as biomarkers: A Copy Number Variation approach. <i>Indian J Med Res</i> , 145: 39-50 (IF:2.061).
8.	2016	Avinash M. Veerappa, Prakash Padakannaya, and <b>NB Ramachandra</b> Copy Number Variation of UGT 2B Genes in Indian Families Using Whole Genome Scans. <i>Journal of Nucleic Acids</i> , ID 1648527, 7 pages, On line: <a href="http://dx.doi.org/10.1155/2016/1648527">http://dx.doi.org/10.1155/2016/1648527</a> . (IF: 2.0) Citation:01
9.	2016	Sinam YM, Chatterjee A, Ranjini MS, Poojari A, Nagarajan A, <b>Ramachandra NB</b> and U. Nongthomba A newly evolved <i>Drosophila</i> Cytoc-9 shows trade-off between longevity and immune response. <i>Infection, Genetics and Evolution</i> 44 :1-7. (IF: 2.5) Citation:01
10.	2016	Megha N Murthy , Avinash M Veerappa and <b>NB Ramachandra</b> High resolution arrays reveal burden of Copy Number Variations on Parkinson Disease genes associated with increased disease risk in random cohorts. <i>Neurological Research</i> , 38 (9), 775-785 (IF: 1.439)
11.	2016	Manasa Prabhanjan, Raviraj V. Suresh Megha N. Murthy, <b>NB Ramachandra</b>

		Type 2 diabetes mellitus disease risk genes identified by genome wide copy number variation scan in normal populations. <i>Diabetes Res Clin Pract</i> , <a href="http://dx.doi.org/10.1016/j.diabres.2015.12.01">http://dx.doi.org/10.1016/j.diabres.2015.12.01</a> (IF:3.045).
12.	2015	Manjegowda, D. S., P. Karunakar and <b>NB Ramachandra</b> Effect of Structural Changes in Proteins Derived from GATA4 Nonsynonymous Single Nucleotide Polymorphisms in Congenital Heart Disease. <i>Indian J Pharm Sci</i> 2015;77(6):735-741.
13.	2015	Parisa Davoodi, Mahesh P, Amrutha D Holla and <b>NB Ramachandra</b> A preliminary study of the association of single nucleotide polymorphisms of <i>IL4</i> , <i>IL13</i> , <i>IL4R</i> and <i>TLR4</i> with asthma in Indian adults. <i>Indian J Med Res.</i> 142: 675-680, DOI:10.4103/0971-5916.174551 (IF: 2.061).
14.	2015	Veerappa AM, Raviraj VS, Sangeetha V, Kusuma L, Megha Murthy, Dinesh SM,Prakash P and <b>NB Ramachandra</b> Global patterns of large copy number variations in the human genome reveal complexity in chromosome organization. <i>Genet. Res., Camb.</i> vol. 97, e18. doi:10.1017/S0016672315000191. (IF=2.2)
15.	2015	Jahromi SR, Mahesh PA, Jayaraj BS, Holla AD, Sangeetha V, and <b>NB Ramachandra</b> IL-10 and IL-17F Promoter Single Nucleotide Polymorphism and Asthma: A Case-Control Study in South India, <i>Lung</i> ,193:739-747 (IF:2.271).
16.	2015	Parisa Davoodi, Mahesh P, Amrutha D Holla and <b>NB Ramachandra</b> Family history and the risk for adult onset asthma. <i>Indian J Med Res.</i> 141:361-363 (IF: 2.061).
17.	2015	Ramachandra NB and Kusuma L An understanding of spinocerebellar ataxia. <i>Indian J. of Med Res.</i> 141:10-12 (Commentary) (IF: 2.061).
18.	2015	Avinash M V, Sangeetha V, Kusuma L, Megha M, Raviraj V S, , Dinesh S M, and <b>NB Ramachandra</b> Global spectrum of Copy Number Variations reveals genome organizational plasticity and proposes new migration routes. <i>PLoS ONE</i> 10(4): e0121846. doi:10.1371/journal.pone.0121846 (IF: 4.09).
19.	2014	Kusuma L and <b>NB Ramachandra</b> An insight into the understanding of 5-HTR2A variants leading to schizophrenia. <i>Indian J. of Med Res.</i> 140: 713-715 (Commentary) (IF: 2.061)
20.	2014	Avinash M Veerappa, Kusuma Lingaiah, SangeethaVishweswaraiah, Megha N Murthy, Raviraj V Suresh, Dinesh S Manjegowda, and <b>NB Ramachandra</b> Impact of Copy Number Variations Burden on Coding Genome in Humans Using Integrated High Resolution Arrays. <i>Genet. Res., Camb.</i> 96, e17. doi:10.1017/S0016672314000202 (IF=2.2)
21.	2014	Dinesh S Manjegowda, Manu Prasad, Avinash M Veerappa, and <b>NB Ramachandra</b> Genome-wide Copy Number Scan Identifies IRF6 Involvement in Van der Woude Syndrome in an Indian Family. <i>Genet. Res., Camb.</i> 96, e12 doi.org/10.1017/S0016672314000159 (IF=2.2)
22.	2014	Sangeetha Vishweswaraiah, Avinash M Veerappa, Padukudru A Mahesh, Sareh R Jahromi and <b>NB Ramachandra</b> Copy Number Variation burden on Asthma sub-genome in normal cohorts identifies susceptibility markers. <i>Allergy, Asthma &amp; Immunology Research</i> , Dec;7:e2. :1-15 (IF= 3.084)
23.	2014	Anand Siddaiah · Marita Saldanha · Shyamala K. Venkatesh ·



		<b>Ramachandra NB</b> and Prakash Padakannaya Development of Rapid Automatized Naming (RAN) in Simultaneous Kannada-English Biliterate Children, <i>J Psycholinguist Res</i> DOI 10.1007/s10936-014-9338-y (IF=0.653)
24.	2014	Sangeetha V, Avinash MV, Mahesh PA, Jayaraj BS, Chaya SK, and <b>NB Ramachandra</b> Molecular interaction network and pathway studies of ADAM33 potentially relevant to asthma, <i>Annals of Allergy, Asthma &amp; Immunology</i> (113 (4):418–424.e1. (IF: 3.1).
25.	2014	Avinash MV, Marieta S, Prakash P and <b>NB Ramachandra</b> Family based genome-wide copy number scan identifies complex rearrangements at 17q21.31 in dyslexics, <i>American Journal of Medical Genetics. Part B: Psychiatry Genetics</i> , 165(7): 572-580 (IF: 3.270)
26.	2014	Jahromi SR, Mahesh PA, Jayaraj BS, Subbarao MV, Holla AD, Sangeetha V, and <b>NB Ramachandra</b> Serum Levels of IL-10, IL-17F and IL-33 in Patients with Asthma: A Case-Control Study, <i>Journal of Asthma</i> , 51(10): 1004-1013. (IF:1.848)
27.	2014	Salam Herojeet Singh, Prabodh Kumar, <b>NB Ramachandra</b> , Upendra Nongthomba. Roles of the Troponin isoforms during indirect flight muscle development in <i>Drosophila</i> , <i>J Genet.</i> ,93(2):379-88 (IF: 0.876).
28.	2014	Salam Herojeet Singh, <b>NB Ramachandra</b> , Upendra Nongthomba. <i>Egg-derived tyrosine phosphatase</i> as a potential biomarker for muscle ageing and degeneration in <i>Drosophila melanogaster</i> , <i>J. Genet Genomics</i> 41:221-224 (IF:1.883)
29.	2014	Radhika P and <b>NB Ramachandra</b> , Divergence of the gene <i>aly</i> in experimentally evolved <i>Cytoraces</i> , the members of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> , <i>Insect Molecular Biology</i> , 23(4):435-443, DOI: 10.1111/imb.12091 (IF:3.044).
30.	2014	Avinash M V, Megha M, Sangeetha V, Kusuma L, Raviraj V S, Somanna A N, Nelchi P, Sangeetha N U, Manjula A S, Dinesh S M, B S Keshava and <b>NB Ramachandra</b> Copy Number Variations burden on miRNA genes reveals layers of complexities involved in the regulation of pathways and phenotypic expression. <i>PLoS ONE</i> 9 (2): e90391 (IF:4.09).
31.	2014	Venkatesh, S K., Siddaiah, A., Padakannaya, P. and <b>NB Ramachandra</b> Association of SNPs of <i>DYX1C1</i> with Developmental Dyslexia in Indian population. <i>Psychiatric Genetics</i> , 24:10-20 (IF: 2.581).
32.	2014	Avinash MV, Sangeetha V, Kusuma L, Megha M, Raviraj VS, Tejaswini, Niveditha P, Supriya GPK, Keshava B S, and <b>NB Ramachandra</b> Insertion-Deletions burden in Copy Number Polymorphisms of the Tibetan Population, <i>Indian journal of Human Genet</i> 20:166-174
33.	2014	Marita Saldanha, Anand Siddaiah, Avinash M. Veerappa, <b>Ramachandra NB</b> , and Prakash Padakannaya Catch Them Before They Fall : A Simple Test of Sight-Word and Pseudo-Word Reading in Kannada for a Quick and Early Assessment. <i>Sage Open</i> DOI: 10.1177/2158244014560524 Published 21 December 2014
34.	2014	Jahromi SR, Mahesh PA, Jayaraj BS, Subbarao MV, Holla AD, Sangeetha V, and <b>NB Ramachandra</b> Single Nucleotide Polymorphism and Asthma: From Conformational Variations

		to Structural Alternations. <i>Molecular and Biochemical Diagnosis (Journal)</i> 1(2) : 63-75.
35.	2014	Ramakrishna M K, Kusuma L, <b>Nallur B. Ramachandra</b> and Saraf R Ramesh, Isozyme analysis in type 2 cytoraces of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> . <i>J. Cytology &amp; Genetics</i> , 15(NS):23-37
36.	2013	Avinash MV, Marieta S, Prakash P and <b>NB Ramachandra</b> Genome-wide copy number scan identifies disruption of PCDH11X in developmental dyslexia. <i>American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics</i> , 9999:1–9. (IF: 3.270) DOI 10.1002/ajmg.b.32199.
37.	2013	Venkatesh, S K., Siddaiah, A., Padakannaya, P. and <b>NB Ramachandra</b> Lack of association between genetic polymorphisms in ROBO1, MRPL19/C2ORF3 and THEM2 with Developmental Dyslexia. <i>Gene</i> , 529: 215–219 (IF: 2.196)
38.	2013	Parisa Davoodi, P A Mahesh, Amrutha D Holla and <b>NB Ramachandra</b> Association of socio-economic status with family history in adult patients with Asthma. <i>Indian J Med Res</i> , 138: 497-503 (IF:2.061)
39.	2013	Avinash M V, Sangeetha V, Kusuma L, Megha Murthy, Dinesh S M, Radhika Nayaka, and <b>NB Ramachandra</b> Unraveling the complexity of Human Olfactory Receptor repertoire by Copy Number analysis across population using high resolution arrays <i>PLOS ONE</i> 8(7): e66843. doi:10.1371/journal.pone.0066843 (IF: 4.09)
40.	2013	Avinash MV, Marieta S, Prakash P and <b>NB Ramachandra</b> Family based genome-wide copy number scan identifies five new genes of dyslexia involved in dendritic spinal plasticity. <i>Journal of Human Genetics</i> , 1434-5161/13 (IF: 2.570)
41.	2013	Venkatesh, S. K., Siddaiah, A., Padakannaya, P. and <b>NB Ramachandra</b> Analysis of genetic variants of Dyslexia candidate genes <i>KIAA0319</i> and <i>DCDC2</i> in Indian population. <i>Journal of Human Genetics</i> , 1434-5161/13 (IF: 2.570)
42.	2013	Avinash M Veerappa, Marita Saldanha, Prakash Padakannaya and <b>NB Ramachandra</b> Copy Number Variation analysis in humans reveal previously identified X chromosome Transposed Region (XTR) in Y-chromosome to be a pseudoautosomal region 3 (PAR3). <i>Functional &amp; Integrative Genomics</i> (DOI: 10.1007/s10142-013-0323-6) (IF:3.3).
43.	2013	Mysore S. Ranjini and <b>NB Ramachandra</b> Rapid evolution of a few members of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : Study on two candidate genes, <i>Sod1</i> and <i>Rpd3</i> . <i>Journal of Molecular Evolution</i> , <i>J. Mol. Evol.</i> 76(5): 311—323, DOI 10.1007 /s00239-013-9560-5 (IF:2.274).
44.	2012	Parisa Davoodi, P A Mahesh, Amrutha D Holla, G S Vijayakumar, B S Jayaraj, Chandrashekar S, and <b>NB Ramachandra</b> Serum levels of Interleukin-13 and Interferon-gamma from adult patients with asthma in Mysore. <i>Cytokine</i> , 431–437 Doi.org/10.1016/j.cyto.2012.05.012 (IF: 3.53)
45.	2012	Bijaya T. and <b>NB Ramachandra</b> Genomic Introgression in Laboratory Evolved Hybrid Races, Cytorace 1 and Fissioncytorace-1 of <i>Nasuta-Albomicans</i> Complex (NAC) of <i>Drosophila</i> as Revealed by RAPD and ISSR Markers. <i>Italian Journal of Zoology</i> , 2012, <i>iFirst</i> , 1–10 (IF=0.939).

46.	2012	Salvi SS, Kumar RP, <b>Ramachandra NB</b> , Sparrow JC, Nongthomba U. Mutations in Drosophila myosin rod cause defects in myofibril assembly. <i>J Mol. Bio.</i> 419(1-2):22-40. <b>(IF: 4.008)</b>
47.	2012	Santhosh Kumar K, Kusuma L, <b>Ramachandra NB</b> and Nair Vijay Mala Genetic variations among ecologically diverse species of Anurans at the level of Genus based on ISSR Marker. <i>I. Res. J. Biological Sci.</i> <b>1(7):</b> 11-19
48.	2011	Suttur S Malini, Mysore R Savitha, and <b>NB Ramachandra</b> Maternal grandmothers with advanced age reproduction are more likely to have Down syndrome grandchildren. <i>J. Paramedical Sciences (JPS)</i> , 2 (3):8-15
49.	2011	Bijanzadeh Mahdi , Mahesh PA, and <b>NB Ramachandra</b> An understanding of the genetic basis of Asthma. Review- <i>Indian J. Med Res.</i> 134:149-161 <b>(IF: 2.031)</b>
50.	2011	Kusuma L, Dinesh S. M., Savitha M.R, Krishnamurthy B., Narayanappa D. and <b>NB Ramachandra</b> Mutations of <i>TFAP2B</i> in congenital heart disease patients of Mysore, South India, <i>Indian Journal of Medical Research</i> , 134: 621-626 <b>(IF:2.031)</b> .
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89.	2006	Smitha R, Karat SC, Narayanappa D, Krishnamurthy B, Prasanth SN and <b>NB Ramachandra</b> Prevalence of Congenital Heart Diseases in Mysore. <i>Indian J. Hum. Genet.</i> 12(1):12-17.
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115.	1994	<b>Ramachandra, NB</b> and HA Ranganath. Pattern of sexual isolation between parental races ( <i>Drosophila nasuta nasuta</i> and <i>D. n. albomicans</i> ) and the newly evolved races (Cytoraces I & II). <i>Indian J. Exp. Biol.</i> 32:98-102. <b>(IF 1.295)</b>
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127.	1986	<b>Ramachandra, NB</b> and HA Ranganath. The Chromosomes of two <i>Drosophila</i> races: <i>D. nasuta nasuta</i> and <i>D. nasuta albomicana</i> . IV. Hybridization and karyotype repatterning. <i>Chromosoma</i> , 93: 243-248. (IF= 4.979)
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129.	1985	<b>Ramachandra, NB</b> and HA Ranganath. Supernumerary chromosomes in <i>Drosophila nasuta albomicana</i> . ( <i>Experientia</i> ) <i>Cellular and molecular Life Sciences</i> , 1: 680-681. (IF = 7.047)

## ii) PUBLICATIONS IN CONFERENCE/SYMPOSIA PROCEEDINGS: 09

Sl no	Year	Details of publications
1	2009	Dinesh SM, Amruthavalli C, Kusuma L and <b>NB Ramachandra</b> Genotype-Phenotype analysis of NKX 2.5. single nucleotide polymorphisms involved in the Congenital Heart Disease patients of Mysore, India. <i>Proc. Of National Conference on Information Technology and its applications held on 21-22 Nov.2009</i> , Eds. C Basavaraju,CN Ravikumar and C Amruthavall ,Centre for Information Science and technology & DOS in Computer Science, University of Mysore, Mysore. pp: 148-152.
2	2009	Avinash MV, Bhanu priya R and <b>NB Ramachandra</b> Designing a Biosoftware: Human phenopaedia and Genome sequence analyzer. <i>Proc. of National Conference on Information Technology and its applications held on 21-22 Nov. 2009</i> , Eds. C Basavaraju,CN Ravikumar and C Amruthavalli ,Centre for Information Science and technology & DOS in Computer Science, University of Mysore, Mysore. pp: 153-157.
3	2009	Ranjini MS, Amruthavalli C and <b>NB Ramachandra</b> Molecular perspective of <i>Sod 1</i> in <i>Drosophila nasuta nasuta</i> . <i>Proc. Of National Conference on Information Technology and its applications held on 21-22 Nov. 2009</i> , Eds. C Basavaraju,CN Ravikumar and C Amruthavalli, Centre for Information Science and technology & DOS in Computer Science, University of Mysore, Mysore. pp: 97-105.
4	2008	Radhey S. Gupta, <b>Ramachandra NB</b> , Timothy Bowes and Bhag Singh Unusual cellular disposition of the mitochondrial molecular chaperones

		Hsp60, Hsp70 and Hsp10. The Biology of extracellular molecular chaperones, Wiley, Chichester (Novartis Foundation Symposium 291) p59-73. <b>Citation – 36</b>
5	2007	Ranjini, MS and <b>NB Ramachandra</b> Recombination influences longevity in karyotypically similar hybrid races of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> . <i>Proc. Nat. Symp. RTIBS</i> , 90-96.
6	2007	Kusuma Lingaiah and <b>NB Ramachandra</b> Genes Involved in Congenital Heart Diseases: A Review <i>Proc. Nat. Symp. RTIBS</i> , 22-28.
7	2007	Mahdi Bijanzadeh, <b>NB Ramachandra</b> Possible causes of Asthma in Mysore, South India. <i>Proc. Nat. Symp. RTIBS</i> , 74-77.
8	1999	Tanuja MT., <b>Ramachandra NB</b> and HA Ranganath. Hybridization and Raciation in <i>Drosophila</i> . <i>DST SERC Research highlights</i> :17-21.
9	1987	<b>Ramachandra, NB</b> and HA Ranganath. Population cytogenetics of supernumerary chromosomes in <i>Drosophila nasuta albomicana</i> . In commemorative volume of <i>advances in Cytology and Genetics</i> . edited by VS Bhatnagar: 115-121.

### iii) GENE / DNA SEQUENCES IN NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION (NCBI), USA : 63

Sl no	Year	Details of publications
1	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> isolate Cytorace1 Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684488.
2	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> isolate Cytorace2 Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684489.
3	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> isolate Cytorace3 Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684490.
4	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> isolate Cytorace4 Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684491.
5	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> isolate Cytorace5 Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684492.
6	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684493.
7	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila immigrans</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684494
8	2015	Padma,R. and <b>NB Ramachandra</b>

		<i>Drosophila kohkoa</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684495.
9	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684496.
10	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila neonasuta</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684497.
11	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila rubida</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684498.
12	2015	Padma,R. and <b>NB Ramachandra</b> <i>Drosophila sulfurigaster</i> Rab protein (Rab) gene, partial cds. NCBI Accession Number KP684499.
13	2013	Radhika P and <b>NB Ramachandra</b> <i>Drosophila albomicans stoned A (stnA)</i> gene, partial cds. NCBI Accession Number KC907708.
14	2013	Radhika P and <b>NB Ramachandra</b> <i>Drosophila rubida dopamine receptor-2 (DopR2)</i> gene, partial cds. NCBI Accession Number KC907709.
15	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila sulfurigaster</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315199.
16	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila neonasuta</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315198.
17	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315197.
18	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC6</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315196.
19	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC5</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315195.
20	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC4</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315194.
21	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC3</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315193.
22	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC2</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315192.
23	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila naalC1</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315191.
24	2011	Radhika P and <b>NB Ramachandra</b>

		<i>Drosophila kohkoa</i> Partial genomic DNA sequence of gene <i>aly</i> . NCBI Accession Number JQ315190.
25	2011	Radhika P and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> Partial genomic DNA sequence of gene <i>aly</i> . NCBI Accession Number JQ315189.
26	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185210.
27	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185209.
28	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185208.
29	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185207.
30	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185206.
31	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185205.
32	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185204.
33	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185203.
34	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185202.
35	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185201.
36	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185200.
37	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185199.
38	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185198.
39	2011	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185197.
40	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI

		Accession Number, HQ693563.
41	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693556.
42	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693562.
43	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693561.
44	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693560.
45	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693559.
46	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693558.
47	2010	Bijaya T. and <b>NB Ramachandra</b> gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693557.
48	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Coorg copper/zinc superoxide dismutase(SOD1) gene, complete cds. Accession No. FJ554532.
49	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> strain Okinawa copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. GU300109.
50	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-2 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ326578.
51	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-3 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ326579
52	2010	Ranjini M. S. and <b>NB Ramachandr</b> <i>Drosophila nasuta</i> strain Cytorage-9 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ326580.
53	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-11 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ32658.
54	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-15 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ326582.
55	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-16 copper/zinc superoxide dismutase (SOD1) gene, complete cds. Accession No. HQ326583.
56	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Coorg histone deacetylase (Rpd3) gene,complete cds. Accession No. HQ323752.

57	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila albomicans</i> strain Okinawa histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ326584.
58	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-2 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379189.
59	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-3 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379190.
60	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-9 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379191.
61	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-11 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379192.
62	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-15 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379193.
63	2010	Ranjini M. S. and <b>NB Ramachandra</b> <i>Drosophila nasuta</i> strain Cytorage-16 histone deacetylase (Rpd3) gene, complete cds. Accession No. HQ379194.

iv) RESEARCH NOTES IN DROSOPHILA INFORMATION SERVICE, U.S.A.: 14

SI No	Year	Details of publications
1	2008	Aryatu, Prakash, and <b>NB Ramachandra</b> Distribution of <i>Drosophila</i> flies in eight different altitudes of three districts of Karnataka, India. 91: 82-87.
2	2004	Sajesh Babu and <b>NB Ramachandra</b> Isolation of new alleles of <i>ifm(2)RU</i> mutants by EMS mutagenesis. 87:59-64.
3	2000	Akhileshwar,V.and <b>NB Ramachandra</b> Flight ability of the newly isolated three indirect flight mutations in <i>Drosophila</i> 83: 110—113.
4	2000	Akhileshwar, V. and <b>NB Ramachandra</b> Defect in the reproductive systems of the sterile Indirect Flight Muscle mutants isolated in <i>Drosophila</i> . 83:45-49.
5	1997	Upendra N. and <b>NB Ramachandra</b> Induction and isolation of chromosome specific flight muscle mutations in <i>Drosophila melanogaster</i> . 80: 102-103.
6	1997	Upendra N. and <b>NB Ramachandra</b> . Isolation of an allele of yellow body mutation in <i>Drosophila melanogaster</i> by an unusual pattern of inheritance. 80: 45-46.
7	1996	<b>Ramachandra, NB</b> and HA Ranganath. Evolution of new karyotypic strains (Cytoraces) through hybridization in <i>Drosophila nasuta</i> system. 77: 86-88.
8	1987	<b>Ramachandra NB.</b> , Ushakumari, A and HA Ranganath. Egg to adult rate of development and viability of <i>Drosophila nasuta nasuta</i> and <i>D. sulfurigaster neonasuta</i> in different media.66: 115-116.
9	1987	<b>Ramachandra NB</b> and HA Ranganath. Adaptedness of a pair of chromosomal races: <i>D.nasuta nasuta</i> and <i>D. nasuta albomicans</i> at three different temperatures. 66: 114-115.
10	1986	<b>Ramachandra NB</b> and HA Ranganath. Estimation of fecundity in the parent and hybrid population of <i>Drosophila nasuta nasuta</i> and <i>Drosophila nasuta albomicans</i> . 63: 109-110.
11	1986	<b>Ramachandra, NB</b> and HA Ranganath. Resource utilization divergence in two cosmopolitan and sympatric species of <i>Drosophila</i> . 63: 110-111.
12	1985	Ushakumari A., <b>Ramachandra NB</b> and HA Ranganath. Relative performance of two strains of <i>Drosophila nasuta nasuta</i> (wild and mutant) on different food media. 61: 176.
13	1985	<b>Ramachandra NB</b> and HA Ranganath. Further studies on B-chromosomes in <i>Drosophila nasuta albomicans</i> . 61:139-140. <b>Citation - 02</b>
14	1984	<b>Ramachandra NB</b> and HA Ranganath. Preliminary studies on the differences in the nutritional requirements in <i>Drosophila</i> . 60: 171.

v) DOCUMENTATIONS/ BOOKS: 14

Sl No	Year	Details of publications
<b>Documentation-02</b>		
1	2014	<b>Ramachandra NB</b> <b>GENOME DATABASES</b> - Establishment and maintenance of databases: miRNA Subgenome and Target Prediction Server, Clinical Variations, Copy Number Variations, Nonsynonymous Functional Prediction, Recessive Nonsynonymous Functional Prediction, Genome Map, Genome Association Index, Disease Genes, Olfactory Receptor Repertoire, <b>University of Mysore Genome Centre</b> , University of Mysore Home page, <a href="http://umgc.uni-mysore.ac.in/">http://umgc.uni-mysore.ac.in/</a> .
2	2012	<b>Ramachandra NB</b> <b>Document on DROSOPHILA STOCK CENTRE</b> – A National Facility, 1990-2012, University of Mysore, DOS in Zoology, Mysore, Compiled on September 2012
<b>Chapter in international book – 01</b>		
3	2011	Prakash Padakannaya and <b>NB Ramachandra</b> “ <i>Reading Akshara: Indian Alphasyllabry</i> ” Title of the book: Dyslexia Across Languages: Orthography and the Brain-Gene-Behavior Link, Editors: Peggy McCardle, Jun Ren, Ovid Tzeng, <i>Baltimore: Paul H Brooks Publishing Co, USA. (Chapter in a Book) Citation - 02</i>
<b>Chapters for academic courses- 11</b>		
4-5	2007	<b>Ramachandra NB</b> Two lessons on (1) <b>Genetic engineering</b> and (2) <b>Gene expression and Selection</b> to teach M.Sc. Microbiology Distance Education course in Karnataka State Open University, Mysore.
6-8	2005	<b>Ramachandra NB</b> Three lessons, (1) <b>Population genetics and Evolution</b> , (2) <b>Developmental Genetics</b> , (3) <b>Human genetics</b> , to teach M.Sc., Biotechnology Distance Education course in Karnataka State Open University, Mysore.
9-13	2003	<b>Ramachandra NB</b> Five lessons, (1) <b>Transgenic organisms</b> , (2) <b>Mapping of the genomes</b> , (3) <b>Genome analysis</b> , (4) <b>Population genetics</b> and (5) <b>Somatic cell genetics</b> , to teach M.Sc., Applied Zoology Distance Education course, Kuvempu University, Shimoga.
14	1999	<b>Ramachandra NB</b> “ <b>Genetic Engineering</b> ”, Teachers manual on Teaching Biology at +2 level. Academic Coordinator, Prof. L. Srikantappa, <i>Regional Institute of Education, NCERT, Mysore.</i>



## II) DETAILS OF SEMINARS AND CONFERENCES ACTIVITIES: 224

### a) Organizer/Convener of Conference/Seminar/ Workshop/Inaugural function: 37

Sl. No.	Status as organizer	Title of the Conference/ Seminar / Workshop	Date
1.	Organizing Chairman	<b>The 3<sup>rd</sup> Annual Life Sciences Quiz Competition</b> (for University of Mysore M.Sc. Students and others)	23.02.2019
2.	Convener and inaugurated	Science Academies' sponsored two days lecture workshop on " <b>Genetics - the Basis of Life</b> " at SDM College, Ujire, Mangaluru	28.09.2018 to 29.09.2018
3.	Convener and inaugurated	Science Academies' sponsored two days lecture workshop on " <b>Changing concepts in Life Sciences</b> " at Bharathi College, Bharathinagar, Mandya	07.09.2018 to 08.09.2018
4.	Organizing Chairman	<b>The 2<sup>nd</sup> Annual Life Sciences Quiz Competition</b> (for University of Mysore M.Sc. Students)	23.02.2018
5.	Convener and inaugurated	Science Academies' sponsored two days lecture workshop on "Genomics, Transcriptomics and Beyond" at Mangalore University, Mangaluru	09.11.2017 to 10.11.2017
6.	Convener and inaugurated	Science Academies' sponsored two days lecture workshop on "New Horizons in Genome Engineering" at Coimbatore, Tamil Nadu	05.07.2017 to 06.07.2017
7.	Organizing Chairman	Seminar on "Nobel Prize in Medicine 2017: Drosophila	11.10.2017

		Yet Again”	
8.	Organizing Chairman	<b>The 1<sup>st</sup> Life Sciences Research Symposium</b> (for University of Mysore MSc Students)	19.05.2017
9.	Organizing Chairman	<b>The 1<sup>st</sup> Annual Life Sciences Quiz Competition</b> (for University of Mysore M.Sc. Students)	28.04.2017
10.	Organizing Chairman	<b>Flash-Mob and street play</b> on World Health day as awareness program of “Genetic diseases are treatable” at four different places in Mysuru- 1) Chikka Gadiyara Platform in front of the Deveraja market, 2) Round Canteen and Clock Tower of Manasagangotri campus, University of Mysore, 3) BM Habital Mall Premises, 4) Mall of Mysore Premises	07.04 2017  (11.30 am, 01.00pm, 05.00pm and 07.00 pm)
11.	Organizing member	Inauguration of new building of department of Genetic and Genomics, Univ. of Mysore, MGM	01.12.2016
12.	The organizing LOCAL SECRETARY	103 <sup>rd</sup> Indian Science Congress 2016 Organized by University of Mysore (2014-2016)	03.01 2016 to 07.01 2016
13.	One of the Organizer for Curtain Raiser- Industry & Press Meet for the 103 <sup>rd</sup> Indian Science Congress- Pride of India Expo-2016	MM Activ, Sci-Tech Communications, Bengaluru	04.11.2015
14.	Organizing Chairman	Inaugural function of department of Genetic and Genomics, Plenary talks and Panel discussion	10.10.2015
15.	One of the mentors of the organizing committee, Univ. of Mysore, Mysore	10 <sup>th</sup> Kannada Vignana Sammelana	15.09.2014 to

			17.09.2014
16.	One of the mentors of European Society of Evolutionary Biology project at SJCE, Dept. of Biotechnology, Mysore	Poster presentation program on "Origin of life and its continuity"	20.3.13 & 23.3.13
17.	One of the Members of the organizing committee, DOS in Zoology, Univ. of Mysore	Two days seminar cum lecture series on recent advances in research methodology	March 16 <sup>th</sup> - 17 <sup>th</sup> 2012
18.	One of the Members of the Advisory committee, Karnataka State Open University, Manasagangotri, Mysore	International symposium on challenges in drug discovery programme-2011	February 16 <sup>th</sup> -17 <sup>th</sup> 2011
19.	One of the Members of the organizing committee, DOS in Zoology, Univ. of Mysore	International symposium on current trends in endocrine and reproductive health and 29 <sup>th</sup> Annual meeting of the society for reproductive biology and comparative endocrinology- 2011	February 10 <sup>th</sup> -12 <sup>th</sup> 2011
20.	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Sixth Drosophila meeting	November 19 <sup>th</sup> -20 <sup>th</sup> 2010
21.	One of the local conveners, Unit on Evolution and Genetics, DOS in Zoology, University of Mysore Sponsored by three National Sciences academies of India	Lecture series on "Contemporary Issues in Biology"	3 <sup>rd</sup> -4 <sup>th</sup> Dec. 2009
22.	One of the Organizers, DOS in Zoology, University of Mysore	National Conference on Recent trends in Animal physiology	29 <sup>th</sup> -30 <sup>th</sup> Oct. 2009
23.	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, University of Mysore	Workshop on "Evolutionary, classical and Molecular genetics of <i>Drosophila</i> "	May 27 <sup>th</sup> - 1 <sup>st</sup> June, 2009
24.	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, University of Mysore	Darwin's 200 <sup>th</sup> Birth anniversary celebrations	May 25 <sup>th</sup> - 26 <sup>th</sup> , 2009
25.	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Fifth Drosophila meeting	March 28- 29 <sup>th</sup> 2008
26.	One of the Members of the organizing committee, sponsored by Dept. of Biochemistry, KLE University,	Biochemistry CME 2007 and Workshop on DNA technology	Dec.1 <sup>st</sup> , 2007

	JAWAHARLAL Nehru Medical College, Belgaum		
27.	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Workshop on "Phylogenetic Biology"	July 3 <sup>rd</sup> to 18 <sup>th</sup> , 2006
28.	One of the Members of the organizing committee, Organized by Department of Microbiology and Biotechnology, Bangalore Univ., Bangalore	Methods in gene cloning	4 days 10-13 <sup>th</sup> , Jan., 2006
29.	One of the Members of the organizing committee, sponsored by Indian Academy of sciences, Bangalore and held at MRDG, IISc, Bangalore	Workshop on "Developmental Biology"	Dec.14-20 <sup>th</sup> 2004
30.	One of the Members of the organizing committee, Indian Academy of Sciences, Bangalore & Drosophila Stock Centre, DOS in Zoology, Univ. of Mysore	Frontier Lecture in Biology	3 days 5-7 <sup>th</sup> Nov. 2003
31.	One of the Members of the organizing committee, Indian Academy of Sciences, Bangalore & Drosophila Stock Centre, DOS in Zoology, Univ. of Mysore	Frontier Lectures in Biology	3 days Feb. 20-22, 2003
32.	One of the Members of organizing committee, Department of Zoology, Univ. of Innsbruck, Austria.	Course on Genetics and Development	23 days June 2001
33.	Member of the organizing committee, Organized by Drosophila Stock Centre	Interaction meeting on "Chromosomes and evolution"	August, 1997
34.	Member of the organizing committee, Organized by Drosophila Stock Centre	Fourth Drosophila meeting	March, 1997
35.	Member of the organizing committee, Organized by Drosophila Stock Centre	Third Drosophila meeting	March, 16- 18 <sup>th</sup> , 1995
36.	Member of the organizing committee, Organized by Drosophila Stock Centre	Drosophila meeting	August 5-6 <sup>th</sup> , 1993
37.	Member of the organizing committee, Organized by Drosophila Stock Centre	Orientation course on Cytogenetics of <i>Drosophila</i> for College teachers	May 24 <sup>th</sup> - 29 <sup>th</sup> , 1993

**b) Conference/Seminar/workshop/Science Exhibition Chaired/ Inaugurated: 18**

<i>Sl. No.</i>	<i>Title of the Conference / seminar</i>	<i>Organized by</i>	<i>Date</i>
1	Celebration of <b>153<sup>rd</sup> Birth anniversary of T.H. Morgan</b> , Geneticist and Nobel laureate	DOS in Genetics and Genomics, MGM	Inaugurated on 25.09.2018
2	Workshop on Embryo biopsy and Pre- implantation genetic diagnosis	Asia Pacific Institute of Embryology, Mysuru at Hotel Southern Star, Mysuru	Inaugurated as Chief Guest on 15.10.2017
3	One of the Co-Chair persons of the Nobel laureate session of Sir. John Gurdon and Dr. Manjul Bhargava	103 <sup>rd</sup> Indian Science Congress 2016 Organized by University of Mysore	Co-Chaired 04.01 2016
4	Indo-US Conference on Emerging Trends in Health Care: Lessons from Clinical and Translational research	JSS University, Mysuru	Chaired a Plenary session on 14.09.2015
5	National Seminar on Life & Life processes: Sustainable development	Department of Zoology Goa University, GOA	Chaired a session of paper presentations on 21.2.2015
6	10 <sup>th</sup> Kannada Vignana Sammelana	University of Mysore	Chaired the Session – Palineeyam on 17.09.2014
7	Eco Club -2014 in the eve of Mendel's 193 <sup>rd</sup> Birthday	Vijaya Vittala Composite P.U.College Saraswathipuram, Mysore	Inaugurated as Chief Guest on 22.07.2014 With a talk on Mendelian Genetics in Today's environment
8	National conference on "Environmental Sciences and Health Hazards"	Department of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad	Chaired a Session on 19 November 2012
9	Two days National Seminar on "Recent trends in Information Technology and Animation, Visual	Centre for information Science and Technology, University of Mysore,	Chaired a Session on 10.11.2012

	effects and Gaming”	Mysore.	
10	Indo-US Symposium on Molecular Pharmacology and Applied Therapeutics	JSS University, JSS Medical College, Mysore 15	Chaired a session Lecture-11 6 <sup>th</sup> -7 <sup>th</sup> Nov 2012
11	Science Exhibition	S.B.R.R. Mahajana First Grade College Jayalakshmipuram Mysore 570012	Inaugurated as Chief Guest on 09.03.2012
12	50 Years of Down syndrome: Cytogenetics, Clinical Management and New Research (12 <sup>th</sup> -14 <sup>th</sup> Nov 2010)	Centre for Human Genetics Bangalore	Chaired a session 14.10.10
13	Workshop cum training on Bioinformatics	Department of Bioinformatics Karnataka State Women University, Jnanashakti Campus, Torvi, Bijapur	Inaugurated as Chief Guest on 28.03.2010
14	CME in Biochemistry – Bio-gene (04.03.2010)	Department of Biochemistry, Mysore Medical College and Research Institute	Chaired Medical Genetics session 04.03.2010
15	National Conference on Information Technology and its applications (21-22.Nov. 2009)	CIST & DOS in Computer Science, University of Mysore, Mysore.	Chaired Session 21.11.2009
16	Darwin’s 200 <sup>th</sup> Birth anniversary celebrations	Unit on Evolution and Genetics, DOS in Zoology, University of Mysore.	Chaired V session 26.05.2009
17	Darwin’s 200 <sup>th</sup> Birth anniversary celebrations	Unit on Evolution and Genetics, DOS in Zoology, University of Mysore.	Chaired VIII session 26.05.2009
18	XXXIII Annual conference of the ISHG and International symposium on “Genetics revisited: the Genomics and Proteomics advantage” (February 11 <sup>th</sup> -13 <sup>th</sup> 2008)	Andhra University Department of Human Genetics, Vishakapatnam, Andhra Pradesh.	Chaired Session-XV Feb.13, 2008

**c) Paper presented/ Plenary/Invited Lectures delivered in Conference/ Seminar: 149**

Sl.No.	Conference/Seminar/ summer Institute/ workshop	Sponsors/ Organized	Duration & Year	Title of the Talk/ Paper presented
1	84 <sup>TH</sup> Annual Meeting	Indian academy of Sciences, Bengaluru	2-4 November 2018	Impact of Copy number Variations in Genome organization, Diseases and Evolution
2	Refresher Course in Life Sciences	UGC- Human Resource development centre, Goa University	02.10.2018 to 3.10.2018	1) Genomic variations 2) Genomic Medicine
3	Two day Science lecture series program of Karnataka Science & Technology Academy, Bengaluru	Pooja Bhagavat Memorial Mahajana Post Graduate Centre, Mysuru -03	19.09.2018	Invited talk on Genomic variations
4	International conference on "Genome Biology 2018: Mechanisms in Health and Disease"	Department of Biochemistry, Indian Institute of Sciences, Bangalore	13 to 14 <sup>th</sup> July 2018	Invited talk on "Genomic approaches in the diagnosis of Type 2 Diabetes"
5	Orientation course for NSS Officers of Karnataka State Universities	Karnataka State Open University, Manasagangotri, Mysuru	07.03.2018	Talk on "Know your genes"
6	Orientation course for NSS Officers of Karnataka State Universities	Karnataka State Open University, Manasagangotri, Mysuru	27.02.2018	Talk on "Know your genome"
7	One of the Members of the organizing committee, DOS in Zoology, Univ. of Mysore	National Workshop and Hands on training on "Teaching and Learning Biology with <i>Drosophila</i> " organized by Drosophila stock Centre, DOS in Zoology, UOM	26 <sup>th</sup> -28 <sup>th</sup> Feb. 2018	Talk on "Genetic basis of sex determination in <i>Drosophila</i> "

8	Refresher Course in Life Sciences Biotechnology	Academic Staff College Jnana Bharathi Bangalore University Bengaluru	24.02.2018	Talks on 1) Diversity of Genomes, 2) know your Genome
9	Science Academies' sponsored two days lecture workshop on "New Horizons in Genetics"	Department of Zoology, Yogi Vemana University, Kadapa, A.P.	7 <sup>th</sup> - 8 <sup>th</sup> Feb. 2018	Talks on 1) Recent Understanding of Genomic Variations 2) Personalized genomic Medicine
10	International conference on current trends in advanced Biomedical Technology	Organized by Department of Biotechnology, Nehru Arts and Science College, Kuniyamthur, Coimbatore, Tamil Nadu	24 <sup>th</sup> to 25 <sup>th</sup> Dec. 2017	Personalized Genomic Medicine
11	98 <sup>th</sup> Orientation program	UGC- Human Resource development centre, Goa University	01.12.2017 to 2.12.2017	1) Where we stands today 2) Presentation skills 3) genetics Today 4) Know your Genome
12	Science Academies' sponsored two days lecture workshop on "Genomics, Transcriptomics and Beyond"	Organized by Department of Biosciences, Mangalore University Mangaangotri Mangaluru	9 <sup>th</sup> to 10 <sup>th</sup> Nov, 2017	Talks on 1) Recent understanding of Genomic variations 2) Genomic Medicine
13	Workshop on Embryo biopsy and Pre- implantation genetic diagnosis	Asia Pacific Institute of Embryology, Mysuru at Hotel Southern Star, Mysuru	15-16 October 2017	Genetic Counseling and its role in Pre-implantation genetic diagnosis
14	National workshop SCHOLAR SUMMIT on "Initiatives for Excellence in Academic	Organized Internal Quality Assurance Cell (IQAC) by, St. Joseph's College (Autonomous), Irinjalakuda, Thrissur,	27 <sup>th</sup> July 2017	Keynote address on "Initiatives for Excellence in Academic Research"



	Research”	Kerala		
15	Convener -Science Academies’ sponsored two days lecture workshop on “New Horizons in Genome Engineering”	Organized by Department of Biotechnology, Nehru Arts and Science College, Kuniyathur, Coimbatore, Tamil Nadu	5 <sup>th</sup> to 6 <sup>th</sup> July, 2017	Talks on 1) Diversity of Genomes 2) Personalized genomic Medicine
16	Science Academies’ sponsored two days lecture workshop on “Genetics To-day”	Organized by Department of Zoology, St. Xavier’s college (Autonomous), Palayamkottai, Tamil Nadu	6 <sup>th</sup> to 7 <sup>th</sup> March, 2017	Talks on 1) Diversity of Genomes 2) Strategies to unravel human complex genetic diseases
17	12 <sup>th</sup> Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	09.11.2016	Resource Person for two Talks on “Recent development in Genomics”
18	National conference on “Genetics of Human Diseases”	Organized by Central University of Kerala, Kasaragod	03.11.2016	Integrated Approaches to Identify Causal Genes variants and Pathways for Type 2 Diabetes Mellitus and Atherosclerosis
19	One day symposium on” Recent trends in Biotechnology”	Organized by Department of Biotechnology, Gulbarga University, Gulbarga	24.10.2016	Talk on “Strategies to unravel the complex human genetic diseases”
20	Refresher Course in Life Sciences Biotechnology	Academic Staff College Jnana Bharathi Bangalore University Bengaluru	05.07.2016	Talk on “A view on Human Genomics”
21	Brainstorming session on KS-10, The Inhibitor of Diapause breed of Silkworm, <i>Bombax mori</i> .	Organized by Karnataka State Sericulture Research and development Institute, Thalaghattapura, Bengaluru - 560 109	27.02.2016	Expert for the discussion
22	Special	Organized by P.G	25.02.2016	Talk on

	Lecture	Department of Biotechnology & Microbiology, Kamatak University, Dharwad		"Genomics Today"
23	Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	25.01.2016	Resource Person Talk on "Where we stand in the field of Genomics Today?"
24	National hands-on workshop on "Molecular Medicine"	Department of Biochemistry, JSS Medical College, JSS University, Mysuru	20.10.2015	Talk on " Genetic approach for Target Identification: a whole genome sequencing and transcriptomic approach to design personalized genomic medicine"
25	National Conference on "Science and Technology for Indigenous Development in India"	M.S. Ramaiah College of Arts, Science and Commerce, Bangalore University, Bengaluru	7.10.2015	Invited Talk On "Recent Understanding in Genomes"
26	National Seminar on Science and Technology for Human Development	Kristu Jayanti College (Autonomous Bangalore University, Bengaluru	23.03.2015	Invited Talk "Integrated whole genomics approach to perform personalized medicine: A case study"
27	Refresher Course in Biotechnology	Academic Staff College Jnana Bharathi Bangalore University Bengaluru	03.03.2015	Resource person to Talk on "Recent advances in Genomics"
28	UGC Sponsored National Seminar on "Boon and Curse of Biotechnology"	Department of Sericulture & Biotechnology Bharathi College K.M.Doddi, Mandya	27.02.2015	Invited Talk On "Recent Understanding in Genomes"
29	National Seminar on Life & Life processes: Sustainable	Department of Zoology Goa University, GOA	20.02.2015	Plenary Talk "Genetic approach for personalised molecular Medicine: A case study"

	development			
30	National Conference on recent advances in Animal Sciences	Department of Applied Zoology Mangalore University Mangaluru	14.02.2015	Invited Talk on” Molecular Genetic approaches to understand the rapid evolution of the laboratory evolved adaptive genomes, cytoraces of <i>Drosophila</i>
31	Seminar for Life Science Students	Department of Zoology, JSS College of Arts, Commerce & Science, Mysore	04.02.2015	Invited Talk on “Challenges for the Students in the 21 <sup>st</sup> century”
32	National Seminar on New Vistas in Biological Sciences	Department of Biological Sciences, St. Aloysius College (Autonomous) Mangaluru,	15.01.2015	Invited Talk: “Genomic approaches towards diagnosis and treatment of complex genetic diseases”
33	Eleventh Teacher/ Researcher Training Workshop on “Teaching and Learning Genetics with <i>Drosophila</i> ”	UGC-Networking Resource Centre, I.I.Sc, Bangalore Organized by Prof. H.A. Ranganath and Prof. Upendra Nongthomba	09.01.2015	Invited talks: 1) Genetic analysis of long lived and short lived cytoraces of <i>Drosophila</i> 2) Genomic approaches for <i>Drosophila</i> research
34	102 <sup>nd</sup> Indian Science Congress	University of Mumbai, Section of Animal Veterinary and Fishery Sciences	07.01.2015	Prof. G.K.Manna Memorial award Lecture “Genetics of cytoraces – Laboratory evolved adaptive genomes of <i>Drosophila</i>
35	One day symposium on Human Cytogenetics and Genetic Toxicology	School of Life sciences, Manipal University, Manipal, Karnataka	10.12.2014	Genetics of Dyslexia
36	National Seminar on “Pharmacogenomics in drug discovery and it’s clinical applications”	Department of Pharmacology, JSS Medical College & JSS college of Pharmacy, JSS University, Mysore	16.10.2014	Talk on “ Genetic approach for Target Identification: a whole genome sequencing and trancriptomic approach to design

				personalized genomic medicine”
37	CME on “ Stem Cells and Regenerative Medicine’	Department of Biochemistry, JSS Medical College ,JSS University, Mysore	01.10.2014	Talk on “ Genetic approach for Target Identification: a whole genome sequencing and transcriptomic approach to design personalized genomic medicine”
38	National Hands - on ‘Molecular Medicine’	Department of Biochemistry, JSS Medical College, JSS University, Mysore	29.09.2014	Talk on “ Genetic approach for Target Identification: a whole genome sequencing and transcriptomic approach to design personalized genomic medicine”
39	10-day workshop for Karnataka State PU Biology teachers	Kendriya Vidyalaya Sangathan, Zonal Institute of Education and Training, Mysore.	21.09.2014 2.00 pm to 3.30pm	Lecture cum-Interactive session on “Principles of Inheritance & variation, Human Genome Project
40	Summer School workshop on “ Basic techniques in isolation and purification of proteins and DNA”	JSS College of Arts, Commerce & Science, Mysore	12.07.2014	Talk on “Genetic Engineering techniques”
41	National symposium on Lipids and Cardiovascular Diseases	Department of Studies in Biochemistry, Univ. of Mysore in Honour of Prof. Cletus J.M.D’Souza’s 40 years of service.	13to 14 <sup>th</sup> of April 2014	Invited talk on “A whole genome sequencing approach reveals rare missense mutations in <i>SORL1</i> , <i>STAB2</i> and <i>ITGAM</i> causing arterial atherosclerosis”
42	Refresher course in Life Sciences	School of Biological Science, Bangalore University, Bangalore	01.04.2014	Recent developments in Genomics
43	Invited Talk	Dept. of Biotechnology ad Bioinformatics, Karnataka women	27.03.2014	Know your genome

		University, Bijapur		
44	Invited Lectures	Dept. of Biotechnology, Karnatak University, Dharwad	26.03.2014	Heterologous gene expression and RNAi
45	<i>Drosophila</i> Meeting 2014	Organized by Cytogenetics Section, Depart. of Zoology, Banaras Hindu University, Varanasi	12.03.2014	Adaptive evolution of genomes: the cytoraces of <i>Drosophila</i>
46	Refresher course in Life Sciences	Organized by Academic Staff College, Univ. Mysore,	10.02.2014	Human Genome Analysis: Copy Number Variations
47	Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	03.02.2014	Know your Genome
48	Special Lecture Series	Dept. of Applied Zoology, Mangalore University + Karnataka Science and Technology Academy	26.09.2013 27.09.2013	Know your Genome Genetic analysis of dyslexia
49	Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	23.02.2013	Talk on "Genomics"
50	VGST-CISE Research projects for 2012-13	Invited Lecture series organized by Maharani's Science College for Women, Mysore	22.02.2013	Invited Talk on "Dosage compensation and sex determination in <i>Drosophila</i> "
51	National conference on "Environmental Sciences and Health Hazards"	Department of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad	19-21 <sup>ST</sup> November 2012	Invited talk on "Olfactory Repertoire is Redundant in Humans in Relation to Environment and Health"
52	National conference on "New Frontiers in Animal Science"	Department of P.G. Studies and Research in Applied Zoology, Kuvempu University,	9-10 <sup>th</sup> April 2012 10.04.2012	Invited talk on "Unraveling the complexity of developmental dyslexia :

	on the occasion of Kuvempu University silver jubilee celebrations (1987-2012)	Shimoga		An integrated approach”
53	National Seminar on "Progress in Biomedical Research and Its Impact on Human Health" on the occasion of Kuvempu University silver jubilee celebrations (1987-2012)	Department of Biochemistry, Kuvempu University, Shimoga	2-3 <sup>rd</sup> April 2012 02.04. 2012	Invited talk on "How relevant is the western data from an Indian context? Investigations of complex genetic disorders"
54	Seminar on Preparation of Research Proposals and Funding Agencies	JSS Autonomous College, University of Mysore, Mysore	17.03.2012	Invited talk on “Preparation of Research Proposals and Funding Agencies”
55	Three days faculty development programme for UG teachers in the subject Biotechnology	Karnataka State Open University, Manasagangotri, Mysore and Vision group on Science and Technology, Govt. of Karnataka, Bangalore	15-17 Feb. 2012 16.02.2012	Talk on “Know your genes and genomes”
56	Training on Emerging pedagogies and Assessment Practices in Biology for senior secondary teachers of 4regions KN, TN, AP & LD	Regional Institute of Education, Mysore	02.02.2012	Talk on “ Tools of Genetic Engineering”
57	Symposium on Population Genetics and Chromatin dynamics	Organized by Department of Zoology, Banaras Hindu University, Varanasi	22.01.2012 to 23.01. 2012 22.01.2012	Invited talk on “Adaptive evolution of Genomes: the cytoraces of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> ”
58	Refresher course in Life Sciences	Organized by Academic Staff	14.12.2012	Talk on “Genomics”

		College, University of Mysore, Mysore		
59	12 <sup>th</sup> international Congress of Human Genetics, Montreal, Canada	Organized by American Society of Human Genetics, Bethesda, MD, USA	11.10.2011 to 15.10.2011	Paper presentation (poster) on “ Discovery of pseudoautosomal region 3 redefines the structure and function of Human X and Y chromosomes”
60	Frontier Lecture Series on Science and Technology on the occasion of 150 <sup>th</sup> Birth anniversary of Bharatharathna Sir M. Visvesvaraya - a programme of the KSCST, Govt of Karnataka	Organized by Govt. Science College, Hassan	06.09.2011	Invited Special talk on “Molecular Genetics- Genes and Genomes”
61	Orientation for Biology Lecturers, Karnataka State Pre- University Course Board, Bangalore	Organized by Mrs. Shyamala, Principal, Government PUC College, Hebbal, Mysore at Mahajana PUC College, Mysore	25.7.2011 to 29.7.2011	Special Lecture on “Genes, Concept of Genes and Genetic control”
62	DST-INSPIRE INTERNSHIP SCIENCE CAMP 16th -20th May, 2011	Prof. H.P.Puttaraju Local Convenor & Co-ordinator Division of Biological Sciences, School of Natural Science, Bangalore University, Bangalore	16-20 <sup>th</sup> May - 19.5.2011	Interactive Lecture on “Know Your Genes” At Session 7th
63	State level Symposium Treatise on Contemporary Molecular BiologyA CPE Programme	Organized by Depart. of Biotechnology, Sahyadri Science College (Autonomous), Shivmoga	09.05.2011	Invited Talk on “Molecular analysis of Human complex genetic diseases”
64	First Refresher course in Life sciences	Academic Staff College, Kannur University, Kerala	11.03.2011	Two invited talks on Human genomics

65	Workshop on “Ethics Committees – challenges in building stakeholder confidence”.	Organized by JSS College of Pharmacy, Mysore and Pfizer Ltd, Bangalore	08.10.2010	As a Ethics Committee member of MMC and RI, Mysore - Participant
66	Vision group Inter University subject wise meeting of Life Sciences	Department of Applied Genetics, Karnatak University, Dharwad	19-20 <sup>th</sup> Feb. 2010	Inter University possible research proposals in Human Genetics
67	Orientation course for PUC Biology teachers of 4 districts	Science and Technology Vision Group, Department of Science and technology, and PUC board, Bangalore organized by Deputy Director, PUC Board, Mysore District at Suttur, Mysore	03.01.2010	Two Invited lectures 1) Extensions to Mendelian Genetics 2) Human Genetic Diseases
68	Orientation course for PUC Biology teachers of 10 districts	Science and Technology Vision Group, DST, and PUC board, Bangalore organized by Deputy Director, PUC Board, Mysore District at Suttur and Gulbarga University, Gulbarga	29.12.2009	Two Invited lectures 1) Basic Genetics 2) Genetic Engineering
69	National Symposium on “Role of Biology and Biotechnology in conservation of biodiversity and sustainable development”	Department of Botany, Gulbarga University, Gulbarga	23.12.2009	Invited Lecture on “Techniques used in Gene Screening: An Overview”
70	Workshop on Biotechnology	Karnataka State Women University, Bijapur	27-28 .10. 2009	Invited talk on Genetic Engineering I and II
71	Workshop on Biotechnology	Shri Dharmasthala Manjunatheswara Mahila Maha	06.10.2009	Invited talk on “Genetic disorders in Indian context”



		Vidyalaya, Mysore		
72	Seminar	PG Department of Biotechnology, Oxford college, B'lore	6.9. 2009	Talk on "DNA Labeling"
73	2 days In-service Course for the Post Graduate Teachers (Biology)	Kendriya Vidyalaya Sangathan , Zonal Institute of Education and Training, Mysore	07.06. 2009	Special talk on " Recombinant DNA Technology"
74	National workshop on Bioinformatics and its applications	Department of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad	28-30 <sup>th</sup> March 2009	Invited talks on 1)DNA sequencing techniques 2) Human Genome Project
75	Workshop on techniques in Biotechnology	Autonomous JSS College of Arts, Commerce and Science, Mysore	6.3.2009	Invited talk on "Genomics"
76	One day workshop on" Integrative Biological Sciences	School of Biological Sciences, Bangalore University, Bangalore	14.02.2009	Special talk on "Human genetics"
77	Seminar	Microbiology Society, Maharani's Science college for Women, Mysore	10.12.2008	Special Lecture on "Gene Silencing"
78	Seminar	PG department of Biotechnology, Oxford college, Bangalore	Oct. 2008	Talk on Gene Isolation
79	2 days In-service Course for the Post Graduate Teachers (Biology)	Kendriya Vidyalaya Sangathan , Zonal Institute of Education and Training, Mysore	9.6. 2008	Special talk on " Human Genome Project"
80	XXXIII Annual conference of the ISHG and International symposium on "Genetics revisited: the Genomics and Proteomics advantage	Andhra University Department of Human Genetics, Vishakapatnam	February 11-13 <sup>th</sup> 2008	Plenary talk on "Candidate genes involved in the septal development in the human heart"
81	2 <sup>nd</sup> National conference on	Gulbarga University, Department of	January 17-19 <sup>th</sup> 2008	Lead Lecture on " Aged grandmother -

	Biotechnology for rural industrial development	Biotechnology Gulbarga		unhealthy children: A Genetic analysis”
82	Biochemistry CME 2007 and Workshop on DNA technology	KLE University JAWAHARLAL Nehru Medical College Belgaum	Dec. (1) 2007	Special talk on “DNA Past, Present and Future”
83	Workshop	Maharani’s College, Bangalore	Oct. 2007	Human genome project
84	Seminar	PG department of Biotechnology, Oxford college, Bangalore	Oct. 2007	Talk on “Gene cloning”
85	Bio-Imfacts 07- “Milestones at the successive journey of experiments in Biotechnology & Genetics”	Shree Swaminarayan Gurukul, Bangalore	April (21) 2007	Special talk on “Human Genetic diseases”
86	Seminar of Louis Pasteur Society	Microbiology Section, DOS in Botany, Univ. of Mysore.	March 2007	Special talk on “Genomics”
87	XXXII annual conference of Indian society of human genetics and International meeting	Indian Institute of chemical biology, Kolkata, India.	February 2007	Paper presented: “Genetic analysis of some of the pediatric disorders in Mysore, South India”
88	International conference and workshop on genetics: The basis and diagnosis of genetic disorders	Sri Ramachandra University, Chennai, India.	February 2007	Paper presented: “Sex chromosomal aneuploidy and advanced maternal grandmother age
89	Seminar	Botanical Society, DOS in Botany, Univ. of Mysore.	February 2007	Special talk on “Strategies for gene isolation”
90	Seminar	PG department of Biotechnology, Oxford college, B’lore	Oct. 2006	Talk on Biotechnology
91	Seminar	Government College, K.R.Nagar. Mysore Dist.	Oct. 2006	Invited talk on DNA- Past, present and future

92	Orientation Course	Kendriya Vidyalaya Mysore.	Aug 2006	Special talk on "Recombinant DNA Technology"
93	Workshop	Mahajana College, Mysore.	September 2006	Special talk on "Future of DNA Technology"
94	Biospectrum-2006	P.G. Department of Microbiology and Biochemistry, Cauvery campus, Mangalore University, Madikeri.	2 days 4-5 <sup>th</sup> March 2006	Invited speaker- "Human genome"
95	Seminar on "Biotechnology"	Post- graduate Department of Biotechnology, JSS College of Arts, Commerce & Science, Mysore.	01.03.2006	Special talk on "Human Genome Project"
96	Seminar on "Biotechnology"	Post –graduate centre of Pooja Bhagavat Memorial Mahajana Education centre, Mysore	20.02.2006	Special talk on "Human genome"
97	Inauguration of Seminar at College programme	S.L.H. Institute of Science, Commerce & Management, Mysore.	01.02.2006	Inaugural talk-"DNA: Past, Present Future"
98	Methods in gene cloning	Department of Microbiology and Biotechnology, Bangalore Univ., Bangalore.	4 days 10-13 <sup>th</sup> , Jan. 2006	One of the organizers and resource person
99	4 <sup>th</sup> Refresher course in Life Sciences from 5-25 <sup>th</sup> 2006	UGC-academic staff college, Univ. of Mysore, Mysore.	07.01.2006	Special talk on "Genomics"
100	Seminar	PG department of Biotechnology, Oxford college, Bangalore.	Oct.2005	Talks on "Invitro packaging and Invitro translation"
101	Refresher course in Zoology	Academic Staff college, Bangalore Univ. Bangalore.	23.09.2005	Talk on "Recombinant DNA technology"
102	Workshop on II PU	Organized by Dept. of	Sept. 2005	Resource person-

	New syllabus 2005-06	Pre-University Education Mandya District, Adichunchunagiri college Kumarahalli, Mandya.		“Recombinant DNA technology”
103	Workshop on II PU New syllabus 2005-06	Organized by Dept. of Pre-University Education Mysore District, Mysore at SBRR Mahajana Pr-University of College, Mysore.	Aug. 2005	Resource person- “Genetic Engineering”
104	National workshop on “Bioinformatics”	Department of Botany, Microbiology and Biotechnology, Yuvaraja College & CIST, Univ. of Mysore	Jan. 2005	Resource person- “DNA sequencing techniques”
105	Workshop on “Developmental Biology”	Indian Academy of sciences, Bangalore and MRDG, IISc, Bangalore	Dec.14-20 <sup>th</sup> 2004	One of the organizer and resource person- “Fly early development, Segmentation genes”
106	National workshop on Bioinformatics	Department of Biotechnology, Kuvempu University, Shimoga	Sep. 2004	Resource person- DNA sequencing
107	Workshop on “Chromosome Biology of Insects”	Maharani’s Science College for women, Mysore under UGC sponsored 10 <sup>th</sup> plan scheme	3 days 29 <sup>th</sup> June 2004	Invited speaker- Techniques in Biology and Medicine
108	Refresher course in Life sciences	Academic Staff college, Univ. of Mysore, Mysore.	20.2.2004	Special talks (two) on “Genomics I & II”
109	DNA special symposium	Centre for Applied Genetics, Bangalore University, Bangalore	2 days 15.01.2004	Invited speaker- Chromosomes and Evolution
110	Refresher course in Zoology	Academic Staff college, Bangalore Univ. Bangalore.	22.12.2003	Invited talks (Two) on “Gene cloning & Gene Isolation”
111	Seminar for BE Biotechnology students	SJCE, Dept. of Environmental Engineering	20.11.2003	Special talk on “Heredity vehicle”

		Mysore.		
112	Seminar	PG department of Biotechnology, Oxford college, Bangalore.	29.10.2003	Special talk on “ Gene cloning techniques”
113	Seminar on “Biotechnology”	DOS in Biotechnology, Kuvempu University, Shimoga.	13.10.2003	Special talk on “DNA Darling of the media”
114	National Symposium on Development and Reproduction	Indian society of developmental Biologists and Dept. of Zoology, Karnatak University, Dharwad.	2 days March 7-8, 2003	INVITED SPEAKER “ <i>Cloning and expression of two genes (brn 1 and brn 3) involved in brain development in flatworm</i> ”
115	Intensive workshop on Bioinformatics	CSR&TI, Central Silk Board, Mysore.	5 days Feb. 3-7, 2003	Resource person “ <i>Genetic Engineering Tools</i> ”
116	Seminar on “Genetic engineering Principles and applications”.	RIE, Mysore.	1 day Nov. 2002	Resource person
117	Special talk on “Genome Sequence data analysis”	CIST, Univ. of Mysore.	1 day July 2002	Resource person
118	Valedictory meetings of Biochemical society	Department of Studies in Biochemistry, Univ. of Mysore.	May 2002	Invited talk on HUMAN GENOME PROJECT
119	Refresher course in Botany	Academic Staff college University of Mysore, Mysore.	27.09.2001	Special talk on Tools in recombinant DNA Technology
120	Refresher course on Genetics and Evolution	Indian Academy of Sciences, Bangalore organized in the DOS in Zoology, Univ. of Mysore by Prof. H.A. Ranganath	22.09.2001	Invited talk on “Segmentation genes in <i>Drosophila</i> ”
121	3 <sup>rd</sup> Refresher course in Zoology	Academic Staff college University of	12.07.2001	Two Lecturers on “Human Genome

		Mysore, Mysore.		Project and Genetic Engineering”
122	Course on Genetics and Development	Department of Zoology Univ. of Innsbruck Austria.	23 days June 2001	Resource person - Visiting Professor
123	Workshop for eight days on Evaluation of intermediate (P.C.M.B.) Text Book of Andhra Pradesh Govt.	Regional Institute of Education, NCERT, Mysore.	8 days Nov. 2000	Resource person
124	Seminar on “Muscle development in <i>Drosophila</i> ”	Prof. Sandy Bernstein Department of Biology, San Diego State University, San Diego, USA.	21.07 2000	<i>Special talk “Isolation of Indirect Flight Muscle mutant of Drosophila”</i>
125	Meeting on “Chromosomes and Evolution”	Prof. Francisco J. Ayala, University of California, Irvine, USA	1 day June 2000	Discussion
126	41 <sup>st</sup> Annual <i>Drosophila</i> Research Conference, and workshop on fly genome project	American Society of Genetics, Pittsburgh, USA.	5 days March 2000	<i>Role of dpp/sog and the homeobox genes vnd, ind and msh in brain development.</i>
127	Departmental Retreat conference at Ventura, California	Dept. of Molecular, Cell and developmental Biology, University of California, Los Angeles, USA.	2 days Feb. 2000	<i>Cloning and Expression of Brain 1, a highly conserved POU-Domain transcription factor in the flatworm- Macrostomum sp.</i>
128	DD 9 Channel Under Science education programme	AVRC, Univ. of Mysore, Mysore.	16.08.1999	Special television talk on “CLONING AND ITS IMPLICATIONS
129	Summer Seminar for schools and college students	SCIENCE FORUM, Mahajana education society, Mysore.	13.05.1999	Special lecture on “CLONING”
130	Summer Seminar for school students	BREAKTHROUGH science forum Mysore chapter, Mysore.	12.05.1999	Special lecture on “CLONING”
131	Fly meeting on	CCMB, Hyderabad.	3 days	<i>Screening and isolation</i>

	Drosophila Genetics and Developmental Biology.		March 1999	<i>of new indirect muscle mutations in Drosophila</i>
132	XXII All India Cell Biology Conference	Rajiv Gandhi Centre for Biotechnology, Thiruvanthapuram.	3 days Feb. 1999	<i>Racial divergence in the newly evolved Cytoraces of Drosophila</i>
133	Workshop of NCERT on "Development of Teachers manual on Teaching Biology at +2 levels"	Regional Institute of Education, NCERT, Mysore.	10 days Jan. 1999	Resource person- <i>Genetic engineering</i>
134	2nd Refresher course in Zoology	Academic Staff College, Univ. Mysore.	Sep. 1998	2 lectures on "Genetic Engineering"
135	UGC sponsored Refresher course in Zoology and Botany	Gulbarga University, Gulbarga.	July 1998	Three Special Lectures on "Genetic Engineering"
136	International symposium on "Biology in the 21st Century and XX1 All India Cell Biology Conference"	Society of Cell Biology, India & I.I.Sc, Bangalore.	3 days March 1998	<i>Characterization of two new indirect flight muscle mutants of Drosophila melanogaster</i>
137	Refresher course in Botany	Dept. of Studies in Botany, Gulbarga University, Gulbarga.	21-22.11.1997	Four lectures on Genetic Engineering, Genome analysis, Gene Therapy and DNA Finger printing
138	Fourth Drosophila meeting	Drosophila Stock centre, DOS in Zoology, Univ. of Mysore, Mysore.	3 days March 1997	<i>Dynamics of parental chromosomes in the Evolution of nasuta-albomicans complex of Drosophila</i>
139	UGC sponsored Refresher course in Botany	Dept. of Studies in Botany, Gulbarga University, Gulbarga.	22-23. 01 1997	Three lectures on " Genetic Engineering, DNA isolation and DNA Fingerprinting"
140	International Symposium on "the present and future of major aspects of	TIFR, NCBS, Bangalore, INDIA (to celebrate 50 years of TIFR).	3 days Oct. 1996	<i>Isolation of Indirect flight muscle mutants in Drosophila</i>

	modern biology”			
141	Seminar for Government Administrators	Administrative training Institute, Mysore.	5.10.1996	Special lecture on "DNA Fingerprinting"
142	Third Drosophila meeting	Drosophila Stock Centre DOS in Zoology, University of Mysore,	3 days March 1995	<i>Population differentiation study with two strains of Drosophila albomicans &amp; one of the Organizers</i>
143	1st Refresher course in Zoology	Academic Staff College, University of Mysore, Mysore	8.02.1995	Special lecture on "Recombinant DNA Technology"
144	Drosophila meeting	Drosophila Stock Centre, Dept. of Studies in Zoology, Univ. Mysore, Mysore.	3 days Aug. 1993	<i>Pattern and process of karyotypic evolution through hybridization: An experimental study.</i>
145	Orientation course on Cytogenetics of Drosophila for College teachers	Drosophila Stock Centre, Dept. of Studies in Zoology, Univ. of Mysore, Mysore.	27.05.1993	Special lecture on "Recent understanding of some aspects of sex determination"
146	Meetings on "Stress Proteins and the Heat Shock Response"	Cold Spring Harbor Laboratory, New York, U.S.A.	3 days Apr. 1991	<i>Mammalian cell mutants affected in the major molecular chaperone proteins: Implications for in vitro microtubule assembly process</i>
147	National Seminar on "Cell Biology",	Dept. of Studies in Zoology, Univ. of Mysore, Mysore.	3 days Jan. 1989	<i>Chromosomes of Drosophila nasuta nasuta and D. n. albomicans: Introgression and the evolution of new karyotypes</i>
148	8 <sup>th</sup> All India Congress of "Cytology and Genetics"	Utkal University Bhubaneswar.	3 days Oct. 1984	<i>Different chromosomal strains of Drosophila nasuta albomicans and their adaptedness.</i>
149	7 <sup>th</sup> All India Congress of Cell Biology	CCMB, Hyderabad.	3 days Mar. 1984	<i>B- chromosomes in Drosophila nasuta albomicans.</i>



**d) Conference/ Seminar/ Symposium/ Workshop participated: 20**

<i>Sl. No.</i>	<i>Title of the Conference / seminar</i>	<i>Organized by</i>	<i>Date</i>
1	1 day workshop on Academic Administration	Organized by Academic Staff College, University of Mysore, Mysore	26.10.2013
2	The human Genome: Then and Now	Organized by Centre for Human genetics, Bangalore	15.12.2012 to 16.12.2012
3	Sixth David A. Hungerford Memorial Lecture- Prof. Sidney Altman, Nobel laureate - "RNA World"	Prof. H. Sharath Chandra, Centre for Applied Genetics and Institute of Bioinformatics, Bangalore	25.4.2008
4	Stem Cell Meeting	Centre for Human Genetics, organized at JNCASR, Jakkur, Bangalore.	One day April 21 <sup>st</sup> , 2003
5	Conference on BANGALORE BIO.COM 2001, BIOTECH HAPPEN HERE	Department of IT and Biotechnology, Government of Karnataka, Bangalore.	3 days March 2001
6	International symposium on "Frontiers of Genetics and Development"	IISc. & JNCASR, Bangalore.	3 days July 1998
7	Discussion meeting on "Concepts and Models in developmental Biology"	Indian Academy of Sciences at Nainital, U.P.	7 days April 1998
8	National workshop on "Radiochemistry and Applications of Radioisotopes"	IANCAS- BARC, Bombay & DOS in Chemistry, Univ. of Mysore.	7 days Nov. 1995
9	Training Workshop in "Environmental enrichment"	Zoo Outreach Organization and Universities Federation for animal welfare, U.K. at Mysore ZOO.	1 day Sep. 1994
10	Group Monitoring workshop on "Evolution, Ecology and Behaviour"	DST, New Delhi and DOS in Zoology, Manasagangotri, Mysore.	3 days July 1994
11	International conference on "Neurobiology from receptors to effectors"	Tata Institute of Fundamental Research Bombay, at Cochin.	3 days May 1994
12	Interaction meeting on "Evolutionary Ecology"	DST, New Delhi and Centre for Ecological Sciences, IISc. Bangalore.	3 days April 1994
13	"Genetic and epigenetic controls in development	Dept. of Developmental Biology and Genetics laboratory, IISc.,	One day Feb.

	workshop"	Bangalore.	1993
14	Workshop on "Fluorescent In Situ Hybridization(FISH)	Dept. of Microbiology and Cell Biology, IISc., Bangalore.	7 days Jan. 1993
15	International conference on "Molecular Evolution"	Penn State University, Pennsylvania, U.S.A.	4 days June 1992
16	Seminar on "Cell Structure and Cytoskeleton"	York University, Toronto, CANADA.	1 day Mar.1991
17	Conference on "Sex Determination and Dosage Compensation	Dept. of Microbiology and Cell Biology, IISc., Bangalore.	3 days Nov.1989
18	Indo - US symposium on "Molecular mechanism involved in neuronal Response to damage'	NIMHANS, Bangalore INDIA	3 days Feb. 1989
19	15 <sup>th</sup> International Congress of Genetics	Indian National science academy, conducted at Hotel Ashoka, Delhi	Dec. 1983
20	Seminar on "Charles Darwin Centenary celebration"	Department of Post graduate studies and Research in Zoology, Univ. of Mysore, Mysore	One day Mar. 1983

### III) ACADEMIC, ADMINISTRATIVE AND PROFESSIONAL RESPONSIBILITIES HELD: 106

Sl. No.	Chairman/ Member	Particulars	Year (From-To)
<b>SECRETARY</b>			
1	Local Secretary	103 <sup>rd</sup> Indian Science Congress, 2016	2014-17
<b>CHAIRMAN</b>			
2	Chairman	Department of Studies in Genetics and Genomics, Univ. of Mysore , MGM	2015- to till date
3	Chairman	Board of Studies in Genetics, University of Mysore	2015-18 2008-11
4	Chairman	Board of Examination in Clinical Embryology and Pre-implantation Genetics, University of Mysore	2018
4	Chairman	Board of Studies in Clinical Embryology and Pre-implantation Genetics, University of Mysore	2017
5	Chairman	Board of Studies in Zoology (PG), University of Mysore	2013-16
6	Chairman	Board of Studies in Clinical Research and Clinical Data Management (PG)	2013-16

7	Chairman	Board of Studies in Zoology (UG), JSS College of arts, Commerce & Science, An autonomous College of University of Mysore	2014-16
8	Chairman	Board of Studies in Zoology (UG), University of Mysore	2013-16
9	Chairman	Human ethical committee of Mysore Medical college & Research Institute (MMC&RI), Mysore	2016-18
10	Chairman	Review Committee for recognition of Institution for specialized Studies – IBAB, Bangalore	2015
11	Chairman	Review Committee for recognition of Institution for specialized Studies – Centre for Human Genetics, Bangalore	2014
12	Chairman	Naagaarjuniam Session, 10 <sup>th</sup> Kannada Vignana Sammelana organized by University of Mysore and Swadheshi andolana- Karnataka ( 15.09.2014 to 17.09.2014).	2014
13	Chairman	Board of examination in Genetics, Univ. of Mysore	2014-15 2011-12 2007-08
14	Chairman	Board of examination in Molecular Biology, Yuvaraja's College	2013-15 2006-07
15	Chairman	Board of examination in Zoology, Univ. of Mysore	2006-07
<b>COORDINATOR</b>			
16	Coordinator	Department of Biotechnology, Govt. of India, Research Project Program Coordinator, Univ. of Mysore	2015-18
17	Coordinator	University Grant Commission- Major Research Project, Coordinator	2015-18
18	Coordinator	M.Sc., Genetics Program, DOS in Zoology, University of Mysore, MGM	2007-15
<b>EDITOR</b>			
19	Guest editor	Journal of All India Institute of Speech and Hearing, Mysore Vol. 28.	2009
20	Editorial member	7 <sup>th</sup> Editorial Board of Zoological Research, The Chinese Academy of Sciences, China	2008-12
<b>MEMBER OF ACADEMIC COUNCIL</b>			
21	AC, Member	J.S.S. Women Autonomous College of the University of Mysore, Mysore	2016-18
22	AC, Member	Govt. Science Autonomous College, University of Mysore, Hassan	2016-18

23	AC, Member	Yuvaraja's College, Autonomous College of the University of Mysore, Mysore	2007-08
<b>MEMBER OF BOARD OF APPOINTMENT</b>			
24	Member	BOA in Zoology, Mrityunjaya Vidya Peetha's Mahantaswamy Arts, Science and commerce College, Haunsbhavi, Karnatak University, Dharwad	2018
25	Member	BOA in Zoology, S.A. College, Naregal, Karnatak University, Dharwad	2018
26	Member	BOA in Zoology, University of Agricultural Sciences, Bengaluru - 65	2018
27	Member	BOA in Zoology, University of Agricultural Sciences, Bengaluru - 65	2017
28	Member	BOA in Genetics and genomics, University of Mysore, Mysuru	2016
29	Member	BOA in Zoology, Yuvaraja's College (Autonomous), University of Mysore, Mysuru	2016
30	Member	BOA in Zoology, Karnatak University, Dharwad	2016
31	Member	BOA in Division of Biological Sciences, Bangalore University, Bangalore	2014, 2016
32	Member	BOA in Dept of Biosciences, Sri Sathya Sai Institute of Higher Learning, Deemed University, Vidyagiri, Prasanthi Nilayam, AP	2013, 2014
33	Member	BOA in Applied Zoology, Mangalore University, Mangalore	2013
34	Member	BOA in Biotechnology, Tumkur University	2012
<b>MEMBER OF BOARD OF STUDIES</b>			
35	Member	BOS in Clinical Embryology and pre-implantation Genetics, Asia Pacific Institute of Embryology, Mysuru- 9	2016-19
36	Member	BOS in Molecular Biology (PG), University of Mysore, Mysuru	2016-19
37	Member	BOS in Biotechnology, Mangalore University	2016-19
38	Member	BOS in Zoology, Govt. College for Women (Autonomous), Mandya	2016-18
39	Member	BOS in Bioscience PG, Univ. of Mysore	2014-16
40	Member	BOS in Food Science and Nutrition, PG, University of Mysore	2013-16
41	Member	BOS in Microbiology, PG, Univ. of Mysore	2013-16
42	Member	BOS in Applied Zoology, Mangalore University	2013-16

43	Member	BOS in Bioinformatics (PG), Karnataka State Women University Bijapur	2009-16
44	Member	BOS in Bioscience PG, Univ. of Mysore	2014
45	Member	BOS in Biochemistry, Molecular Biology, Nano-Sciences and Technology, Nutrition and Dietetics of the JSS University	2014
46	Member	BOS in Zoology (PG), Karnataka State Women University, Bijapur	2012-14
47	Member	Expert Committee in Zoology (PG), Tumkur University	2013
48	Member	BOS, JSS University Ph. D. Regulation Sub-Committee	2013
49	Member	BOS in Molecular Biology, PG, University of Mysore	2013
50	Member	BOS in Zoology, University of Mysore	2010-13
51	Member	BOS in Life Sciences, Pondicherry University, Puducherry	2009-11
52	Member	BOS in Biotechnology (PG), Karnataka State Women University Bijapur	2009-11
53	Member	BOS in Applied Genetics (PG), Bangalore University, Bangalore	2008-11
54	Member	BOS in Biotechnology, Yuvaraja's College, Autonomous College of the University of Mysore, Mysore	2008-11
55	Member	BOS in Biological Sciences (PG), Bangalore University, Bangalore	2007-10
<b>MEMBER OF BOARD OF EXAMINATION</b>			
56	Member	BOE in Genetics (PG), University of Mysore	2015-18 2012-13 2009-11 2006-07
57	Member	KPSC –Examinations (Gazetted Post)	2015-2017
58	Member	Manipal University, Manipal.	2015-2016
59	Member	BOAE for UG and PG in Zoology and Genetics, University of Mysore	2015 2014 2013
60	Member	BOE in Biotechnology, Karnatak University, Dharward	2014
61	Member	K-SET Examination, University of Mysore	2013 2014

62	Member	BOE in Genetics, AIISH, Mysore	2013
63	Subject Expert	Ph. D. Doctoral committee in Biological Science, Bangalore University.	2013
64	Member	Ph. D. Entrance Exam in Genetics, Karnataka University	2013
65	Member	Ph.D Sub-Committee, JSS University, Mysore	2013
66	Member	OPSC Lectureship Examination, Orissa	2013
67	Member	BOE in Zoology (PG), Karnatak University, Dharward	2012
68	Member	Pre-thesis submission colloquium, Dept of Biosciences, Mangalore University, Mangalore	2011-2012
69	Member	BOE in Molecular Biology, Bangalore University, Bangalore	2011-12
70	Member	BOE, Orissa Civil Service (Main) 2011	2011
71	Member	BOE in Zoology (PG), University of Mysore	2004-06 2002-03
<b>MEMBER OF OTHER ACADEMIC &amp; ADMINISTRATIVE COMMITTEE</b>			
72	Member	UGC - Dr. D. S. Kothari Postdoctoral Fellowship (DSKPDF)	2018
73	Member	Malpractice legal evaluation committee (MPLEC), University of Mysore, Mysuru	2016-17
74	Member	Ph.D. new regulation as per UGC norms, University of Mysore, Mysuru	2016-17
75	Member	Local Research Advisory Committee at Mysore Medical college & Research Institute, Mysore	2014-17
76	Member	College Developmental council, Affiliation committee, University of Mysore	2016-17 2015-16 2014-15 2013-14 2011-12 2009-10
77	Member	Institutional Animal ethical committee, University of Mysore, Mysore	2014-17
78	Member	eContent Development Academic standing committee, University of Mysore	2016
79	Member	Human ethical committee of Asthma and Allergy centre, Mysore	2012-16
80	Member	Human ethical committee of Mysore Medical college & Research Institute, Mysore	2007-16

81	Member	Member (University Nominee) of the Expert committee to grant autonomous status to Government Science College, Hassan (12-13 of Nov)	2014
82	Member	Innovative University committee, University of Mysore	2013
83	Member	Institutional Biosafety Committee, University of Mysore	2013
84	Member	Ph. D. and M. Phil. Regulations Expert Committee, University of Mysore	2013
85	DST Nominated member	As Jury to the Inspire award Exhibition of Hassan District School children	2011 (May 21 <sup>st</sup> to 22 <sup>nd</sup> )
86	Member	Ph.D Sub-Committee, JSS University, Mysore	2013
87	Member	Faculty of Science and Technology, University of Mysore	2006 till date
<b>MEMBERS OF PROFESSIONAL ORGANIZATION</b>			
88	Life Member	Human Genome Organization (HUGO)	2008
89	Ordinary Member	Indian Society of Cytology and Genetics	2007-08
90	Life Member	Indian Science Congress Association	2007
91	Life Member	Indian society of Human Genetics	2007
92	Life Member	Indian Society of Developmental Biologist	2003
93	Ordinary Member	American Association of Genetics, USA	2000
94	Ordinary Member	New York Academy of Sciences, USA	1998-99
95	Life Member	Indian Society of Cell Biology	1998
96	Ordinary Member	International Society for Molecular Evolution, USA	1992
97	Ordinary Member	International Society for Heat Shock genes, USA	1991

<b>PROMOTION/POPULARIZATION OF SCIENCE EDUCATION PROGRAMME</b>			
98	Research Grant reviewer	Several grants from Govt. of India- UGC, DST, DBT, ICMR, CSIR & also International agency from, USA, Portugal, Netherlands and Poland	1999 – till date
99	Research Articles Reviewer	Several National and International Journals- PLoS ONE, Genes development and evolution, Cytokine, Gene, Behavior Genetics, Human Immunology, Indian J. of Med. Res., Indian J. of Human genetics, J. Genetics, J of Biosciences, Current Science, Cytology and Genetics.	1999- till date
100	Organizing Convener	Dr. S. N. Hegde Gold medal for excellence in M.Sc., Zoology and M.Sc., Genetics (Started in 2012).	2012
101	TV- Special Lectures	<b>8 UGC SPECIAL LECTURES</b> were delivered on Biotechnology, Genetic Engineering and Human genome projects in DD 9 television channel in 2006-07	2006-07
102	Organizing Convener	Prof. H. A. Ranganath Gold medal for excellence in M.Sc., Genetics (Started in 2006).	2006
103	Member	<b>Science education programme</b> of University of Mysore for High School Students	2006 onwards
104	Popular Science article Writer	Popular Science article - <b>DNA Fingerprinting</b> , Article in Kannada for Kannada Encyclopedia” Zoology section, Institute of Kannada Studies, Univ. of Mysore, Mysore.	2006
105	TV Talk	Special Television programme on <b>Dolly Cloning</b> in DD9 on 16.08.1999	1999
106	Popular Science article Writer	Popular Science article - <b>Schizophrenia: a chromosomal disease?</b> Indian Express, Dec. 5th, 1989, National Newspaper).	1989