

Biodata of

Prof. N. B. RAMACHANDRA, Ph.D, FASc., KSTA

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Prof. N. B. RAMACHANDRA, Ph.D, FASc., KSTA

UGC-BSR Faculty Fellow, Department of Studies in Genetics and Genomics
Professor (Honorary), Sri Sathya Sai University of Human Excellence, Kalaburagi
Consultant- Human Genetics Unit, All India Institute of Speech and Hearing, Mysuru
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1. Date of Birth: 31.05.1958

2. Educational Qualification:

Degree	Subject	Year	University	Class
Ph.D.	Zoology (Genetics)	1982-88	Mysore Manasagangotri	Awarded
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 nd Rank 1 st Class
B.Sc.,	Chemistry, Botany and Zoology	1977-80	Mysore Cauvery College Gonicoppal Kodagu	1 st 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	To date – 13. 07. 2015	PROFESSOR AND CHAIRMAN , Department of Studies in Genetics and Genomics, Univ. of Mysore, Mysuru
2	12.07. 2015 - 12.07.2007	PROFESSOR OF ZOOLOGY (GENETICS) , Coordinator for M.Sc Genetics, DOS in Zoology, Univ. of Mysore, Mysore
3	12.07.2007- 01.04.1999	READER , DOS in Zoology, Univ. of Mysore, Mysore
4	31.03.1999 - 01.04.1994	SENIOR LECTURER , DOS in Zoology, Univ. of Mysore, Mysore

5	July - June 2001	VISITING PROFESSOR- course taught- GENETICS AND DEVELOPMENT, Dept. of Zoology, Univ. of Innsbruck, Austria
6	27.09. 2000 - 01.10. 1999	SENIOR RESEARCH ASSOCIATE II – Cell, Molecular and Developmental Biology, University of California, Los Angeles, USA
7	31.03.1994 - 05.09.1992	LECTURER , Department of Studies in Zoology, University of Mysore, Mysore.
8	04.09.1992 - 19.02. 1990	POSTDOCTORAL FELLOW - MOLECULAR GENETICS , Department of Biochemistry, McMaster University, Hamilton, Canada.
9	18.02.1990 - 01.04.1989	RESEARCH ASSOCIATE (CSIR - SPECIATION GENETICS & HONARARY LECTURER , Dept. of Zoology, Univ. of Mysore.
10	31.03.1989 - 04.04.1988	RESEARCH ASSOCIATE (ICMR- HUMAN GENETICS , Dept. of Human Genetics, NIMHANS, Bangalore.
11	03.04.1988 - 27.12.1986	SENIOR RESEARCH FELLOW - 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	RESEARCH FELLOW (UGC (As JRF & SRF-DROSOPHILA GENETICS , Department of Zoology, Univ. of Mysore, Mysore.

5. Awards/ Recognitions:

Sl.No.	Year	Awards/Recognition	Institution
1. 1	2020	Honorary fellowship of Karnataka Science and Technology Academy	Karnataka Science and Technology Academy, Prof.U.R.Rao Vijnana Bhavana, Bengaluru - 560097
2. 1	2020	Consultant	Human Genetics Unit, All India Institute of Speech and Hearing, Mysuru
3.	2019-20	Course Coordinator for two MOOC courses {1Human genetics and 2 Principles of genetics} for under graduates in life sciences	MHRD-Consortium for Educational Communication, New Delhi Through EMMRC, University of Mysore
4.	2019-20	Coordinator – NAAC committee for preparation of University of Mysore	University of Mysore, Mysuru
5.	2019-2022	Member - Selection Committee for Fellow of Indian Academy of Sciences	Indian Academy of Sciences, Bengaluru-80
6.	2019	NAAC committee member as observer	NAAC, Bengaluru

7.	2018-20	Coordinator for all Life Science Courses Common entrance examination	University of Mysore, Mysuru
8.	2017	Elected Fellow of Indian Academy of Sciences, FASc. 2017 - in recognition of outstanding contribution to Science	Indian Academy of Sciences, Bengaluru-80
9.	2016	Centenary Year 1016-2016 - Golden Jubilee foundation Award for Science – Sir C.V. Raman award for 2014-15 (24.07.2016)	University of Mysore, Mysuru
10.	2015	Dr. Raja Ramanna Scientists State Award 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
11.	2015	Prof. G. K. Manna Memorial Award of ISCA for the year 2014-2015 (Award presented on 04.01.2015)	102 nd Indian Science Congress, held at University of Mumbai, ISCA, Kolkata
12.	2014-2016	Organizing Local Secretary for 103rd Indian Science Congress , 3 rd -7 th January 2016, (From August 2014)	University of Mysore, Mysore
13.	2013	Award for Research Publications	Government of Karnataka Vision Group on Science and Technology, Department of Information Technology, Biotechnology & Science and Technology, Bangalore
14.	2011	DST Travel Grant Award for the International meeting	12 th International Congress of Human Genetics, Montreal, Canada
15.	2008	Sir C.V. Raman Young Scientist State Award for the year 2007 for his exceptional contribution to Life Sciences	Government of Karnataka and State Council for Science and Technology, IISc., Bangalore
16.	2008-2012	Editorial Board Member (4 years)	7 th Editorial Board of Zoological Research, The Chinese Academy of Sciences, China

17.	2001	VISITING PROFESSOR- to teach course on- Genetics and development	Dept. of Zoology, Univ. of Innsbruck, Austria
18.	1999-2000	Senior Research Associate II award	University of California, Department of Cell Molecular and Developmental Biology, Los Angeles, USA
19.	1990 - 1992	Post Doctoral Fellow Award	McMaster University, Department of Biochemistry, Canada
20.	1990	Government of India Nehru Centenary British Fellowship (common wealth Award	Department of Biological sciences, Warwick University, Coventry, United Kingdom (not availed.
21.	1982	II Rank in M.Sc	DOS in Zoology, Univ. of Mysore.
22.	1980	“Best boy of the college” award	Cauvary College, Gonicoppal, Univ. of Mysore.

6. Number of Research Projects:

i Completed: 17

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 evolved four hybrid strains, Cytoraces	DBT, New Delhi	2015-2018	70.494
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.	DST, Animal PAC, New Delhi	2002-05	12.00

		SP/SO/C-25/98 dated 20.2.2002			
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 Raciation 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 Raciation 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 develop- ment 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
17.	PI	Postgraduate Diploma Program in Personalized Genomic Medicine (PGDPM	DBT, New Delhi	2019- 2022	88.35

ii Ongoing

1	PI	BSR Faculty Fellow	UGC, New Delhi	2020- 2023	Rs.50.000 honorarium + 5.00 lakhs/year
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Summary of the Research and Administrative credentials

1. Number of Ph.D. Candidates successfully completed	--	25
2. Number of Ph.D. Candidates currently working	--	07
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:	--	273
i Publications in peer-reviewed journals:	--	146
ii Publications in conference proceedings:	--	09

iii Gene / DNA sequences in NCBI, USA:	--	85
iv Research notes in Drosophila Information Service, USA:	--	14
v Protocols / Methods developed	--	05
vi Books / Documentation:	--	14
Presentation in Seminars and Conferences:	--	249
h-index :	--	24
i10-index :	--	60
Total citations :	--	2000+
6. Academic, Administrative and Professional responsibilities held:	--	110

I. LIST OF PUBLICATIONS

i PUBLICATIONS IN PEER-REVIEWED JOURNALS: 146

Sl.No.	Year	Details of publications
1.	2021	Agarwala, S., Naik, B., and Ramachandra N.B. Mucosa associated specific bacterial species disrupt the intestinal epithelial barrier in autism phenome. <i>Brain, Behavior, & Immunity – Health</i> , 15:1-9. doi.org/10.1016/j.bbih.2021.100269
2.	2021	Agarwala, S and Ramachandra N.B. Risk homozygous haplotype regions for autism identifies population-specific ten genes for numerous pathways. <i>Egyptian Journal of Neurology, Psychiatry and Neurosurgery</i> , 57-69. doi: 10.1186/s41983-021-00323-2
3.	2021	Stafny MelonyDSouza., KoushikPonnanna and Nallur B.Ramachandra Comparative analysis of testis transcriptomes in laboratory cohorts of recently diverged allopatric <i>Drosophila nasuta nasuta</i> and <i>Drosophila nasuta albomicans</i> . <i>Journal of Asia-Pacific Entomology</i> , 24(2):46-54. doi.org/10.1016/j.aspen.2021.04.005
4.	2021	Abbaspourkharyeki M, Anvekar NJ, Ramachandra NB The Possible Impact of Glycosylation on the Binding of Ligand/Receptor and Activation of the NOTCH2 in Multiple Myeloma. <i>Immunogenet OpenAccess</i> . 6: 141. (IF :2.621)
5.	2021	Agarwala, S and Ramachandra N.B. Role of <i>CNTNAP2</i> in autism manifestation outlines the regulation of signaling between neurons at the synapse. <i>Egypt J Med Hum Genet</i> 22 (22) :1-13. doi.org/10.1186/s43042-021-00138-z (IF:0.77)
6.	2021	Koushik Ponnanna, Stafny DSouza and Ramachandra N.B. De novo assembly, annotation and gene expression profiles of gonads of <i>Cytoraces3</i> , a hybrid lineage of <i>Drosophila nasuta nasuta</i> and <i>D.n. albomicans</i> . <i>Genomics and Informatics</i> , 19(1): e8: 1-12. doi.org/10.5808/gi.20051.
7.	2020	D'ouza,S., Ponnanna, K., Chokkanna A and Ramachandra N. B. Illumina short-read sequencing data, de novo assembly and annotations of the <i>Drosophila nasuta nasuta</i> genome, <i>Data in Brief</i> . 34:06674. doi.org/10.1016/j.dib/2020.106674. (IF :1.13)
8.	2020	D'Souza, S., Ponnanna, K., Chokkanna, A., Ramachandra N.B.

		<i>Drosophila nasuta nasuta</i> whole genome: Illumina sequencing & data analysis, <i>Mendeley Data</i> , V2, [dataset]. dx.doi.org/10.17632/3s7ftf6vvgb.3
9.	2020	Tejaswini Prakash , and Nallur B. Ramachandra Integrated Network and Gene Ontology Analysis Identifies Key Genes and Pathways for Coronary Artery Diseases, <i>Avicenna Journal of Medical Biotechnology</i> , 13(1) :15-23. dx.doi.org/10.18502/ajmb.v13i1.4581. (IF: 1.690)
10.	2020	Agrawala, S., Veerappa, A.M and Nallur B. Ramachandra Identification of primary Copy Number Variations reveals enrichment of Calcium, and MAPK pathways sensitizing secondary sites for autism, <i>Egyptian Journal Medical Human Genetics</i> , 21(55): 1-14. doi.org/10.1186/s43042-020-00091-3. (IF:0.77)
11.	2020	Ashitha SNM, Raviraj VS and Nallur B. Ramachandra Comprehensive in silico mutational-sensitivity analysis of PTEN establishes signature regions implicated in pathogenesis of Autism Spectrum Disorders, <i>Genomics</i> , 113(1):999-1017. doi.org/10.1016/j.ygeno.2020.10.035, (IF: 6.205)
12.	2020	Koushik Ponnanna, Stafny M.D.Souza, C.Amruthavalli and Nallur B. Ramachandra Allopatric sibling species pair <i>Drosophila nasuta nasuta</i> and <i>Drosophila nasuta albomicans</i> exhibit expression divergence in ovarian transcriptomes, <i>Gene</i> , 777(145189):1-9. doi.org/10.1016/j.gene.2020.145189. (IF: 2.984)
13.	2020	Rahim Gholipoorfeshkekeh, Swati Agarwala, Kavya G, Santhosh Krishnappa, Mysore R. Savitha and Nallur B. Ramachandra Whole exome sequencing and homozygosity mapping identify variants in <i>NCOR1</i> and <i>MAP2K3</i> associated with non- syndromic Congenital Heart Defects, <i>Egyptian Journal of Medical Human Genetics</i> , 21(58):1-10. doi: 10.1186/s43042-020-00101-4. (IF:0.77)
14.	2020	Malek Abbaspourkharyeki, Naveen J Anvekar and Nallur B. Ramachandra The possible role of point mutations and activation of the CDC27 gene in progression of Multiple Myeloma. <i>Meta Gene</i> , , doi.org/10.1016/j.mgene.2020.100761. (IF: 0.54)
15.	2020	Ashitha SNM and Nallur B. Ramachandra Integrated Functional Analysis implicates Syndromic and Rare Copy Number Variation genes as prominent molecular players in pathogenesis of Autism Spectrum Disorders, <i>Neuroscience</i> , 438:25-40 . doi.org/10.1016/j.neuroscience.2020.04.051 (IF: 3.244)
16.	2020	Malek Abbaspourkharyeki, Naveen Jayaram Anvekar and Nallur B. Ramachandra Genomic Landscape of a Case of Multiple Myeloma by Whole Exome Sequencing, <i>Bio-Science Research Bulletin</i> , 36 (1): 13-21. DOI : 10.5958/2320-3161.2020.00003.6 (IF: 0.54)
17.	2020	Tejaswini Prakash, MS. Basavaraj and Nallur B. Ramachandra Evaluation of Nonsynonymous Single Nucleotide Variations in NOS2 Gene Identified Through Whole Exome Sequencing: A

		Bioinformatics Approach. <i>Bulletin of Pure and Applied Sciences(Zoology)</i> ,39A1: 172-188. DOI : 10.5958/2320-3188.2020.00020.0
18.	2020	Rahim G, Swati A, Santhosh K, M.R.Savitha, D. Narayanappa and NB Ramachandra Nuclear Co-repressor 1, a Potential Candidate Gene in the Manifestation of Congenital Heart Diseases, <i>Int J Hum Genet</i> , 20(2): 55-65. DOI: 10.31901/24566330.2020/20.02.738 (IF: 0.265).
19.	2020	Rahim G, Swati A, Santhosh K, M.R.Savitha, D. Narayanappa and NB Ramachandra Variants in HEY genes manifest in Ventricular Septal Defects of Congenital Heart Disease, <i>Gene Reports</i> , 1-6, doi.org/10.1016/j.genrep.2020.100613 (IF: 0.610).
20.	2019	Sangeetha V, Avinash MV, Mahesh PA, Jayaraj BS, Chaya SK, and NB Ramachandra Haplotype analysis of ADAM33 polymorphisms in Asthma: A pilot study from South Indian population. <i>Indian J Med Res</i> , 150(3):272-281. (IF:1.551).
21.	2018	Somanna AN, Sumana MN, Amruthavalli C and NB Ramachandra 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 Citation:01).
22.	2017	Megha N Murthy and NB Ramachandra 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).
23.	2017	Ashitha SNM, Avinash M Veerappa and NB Ramachandra 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).
24.	2017	Tejaswini Prakash, Avinash M Veerappa and NB Ramachandra Complex interaction between HNRNPD 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).
25.	2017	Raviraj V Suresh, Narayanappa D , Savitha R. M., Ambika S. Udupa, Kusuma Lingaiah, Sunil Kumar Polapalli and NB Ramachandra 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, Citation:01
26.	2017	Raviraj V Suresh, Kusuma Lingaiah , Avinash M Veerappa and NB Ramachandra 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).
27.	2016	Avinash M. Veerappa, Prakash Padakannaya, and NB Ramachandra 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: http://dx.doi.org/10.1155/2016/1648527 . (IF: 2.0 Citation:01
28.	2016	Sinam YM, Chatterjee A, Ranjini MS, Poojari A, Nagarajan A, Ramachandra

		NB and U. Nongthomba A newly evolved Drosophila Cytorace-9 shows trade-off between longevity and immune response. <i>Infection, Genetics and Evolution</i> 44 :1–7. (IF: 2.5 Citation:01)
29.	2016	Megha N Murthy , Avinash M Veerappa and NB Ramachandra 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 Citation:02)
30.	2016	Manasa Prabhanjan, Raviraj V. Suresh Megha N. Murthy, NB Ramachandra Type 2 diabetes mellitus disease risk genes identified by genome wide copy number variation scan in normal populations. <i>Diabetes Res Clin Pract</i> , 113:160-170 (IF:3.045. Citation:21)
31.	2016	Anand Siddaiah · Marita Saldanha · Shyamala K. Venkatesh · Ramachandra NB and Prakash Padakannaya Development of Rapid Automatized Naming (RAN in Simultaneous Kannada-English Biliterate Children, <i>J Psycholinguistic Research</i> ,45(1:177-187 (IF=0.653 Citation:04)
32.	2015	Manjegowda, D. S., P. Karunakar and NB Ramachandra 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. Citation:02
33.	2015	Parisa Davoodi, Mahesh P, Amrutha D Holla and NB Ramachandra 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(6:675-80 (IF: 2.061 Citation:04)
34.	2015	Veerappa AM, Raviraj VS, Sangeetha V, Kusuma L, Megha Murthy, Dinesh SM,Prakash P and NB Ramachandra Global patterns of large copy number variations in the human genome reveal complexity in chromosome organization. <i>Genet. Res., Camb.</i> 97, e18. doi:10.1017/S0016672315000191. (IF=2.2)
35.	2015	Jahromi SR, Mahesh PA, Jayaraj BS, Holla AD, Sangeetha V, and NB Ramachandra 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 Citation:09)
36.	2015	Parisa Davoodi, Mahesh P, Amrutha D Holla and NB Ramachandra Family history and the risk for adult onset asthma. <i>Indian J Med Res.</i> 141:361-363 (IF: 2.061 Citation:01.
37.	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. Citation:05)
38.	2015	Avinash M V, Sangeetha V, Kusuma L, Megha M, Raviraj V S, , Dinesh S M, and NB Ramachandra Global spectrum of Copy Number Variations reveals genome organizational plasticity and proposes new migration routes. <i>PLoS ONE</i> 10(4: e0121846. (IF: 4.09 Citation:06)
39.	2015	Sangeetha Vishweswaraiah, Avinash M Veerappa, Padukudru A Mahesh, Sareh R Jahromi and NB Ramachandra Copy Number Variation burden on Asthma sub-genome in normal cohorts

		identifies susceptibility markers. <i>Allergy, Asthma & Immunology Research</i> , 7(3:265-275 (IF= 3.084 Citation:05
40.	2014	Kusuma L and NB Ramachandra 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 Citation:04
41.	2014	Avinash M Veerappa, Kusuma Lingaiah, SangeethaVishweswaraiah, Megha N Murthy, Raviraj V Suresh, Dinesh S Manjegowda, and NB Ramachandra 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 Citation:03
42.	2014	Dinesh S Manjegowda, Manu Prasad, Avinash M Veerappa, and NB Ramachandra 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 Citation:01
43.	2014	Sangeetha V, Avinash MV, Mahesh PA, Jayaraj BS, Chaya SK, and NB Ramachandra Molecular interaction network and pathway studies of ADAM33 potentially relevant to asthma, <i>Annals of Allergy, Asthma & Immunology</i> (113 (4:418–424.e1. (IF: 3.1 Citation:09
44.	2014	Avinash MV, Marieta S, Prakash P and NB Ramachandra 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 Citation:16)
45.	2014	Jahromi SR, Mahesh PA, Jayaraj BS, Subbarao MV, Holla AD, Sangeetha V, and NB Ramachandra 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 Citation:61)
46.	2014	Salam Herojeet Singh, Prabodh Kumar, NB Ramachandra , 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. Citation:16)
47.	2014	Salam Herojeet Singh, NB Ramachandra , 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 Citation:03
48.	2014	Radhika P and NB Ramachandra , 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 Citation:01
49.	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 NB Ramachandra 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 Citation:12)
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145.	1985-86	Ramachandra, NB and HA Ranganath. Ecogenetics of <i>Drosophila</i> - Exploitation of media with different sugars by two cosmopolitan and sympatric species of <i>Drosophila</i> . <i>J. Mysore University</i> , sec. B, 31:108-116.
146.	1985	Ramachandra, NB and HA Ranganath. Supernumerary chromosomes in <i>Drosophila nasuta albomicana</i> . (<i>Experientia Cellular and molecular Life Sciences</i> , 1: 680-681. (IF = 7.047 Citation:15

ii PUBLICATIONS IN CONFERENCE/SYMPOSIA PROCEEDINGS: 09

Sl no	Year	Details of publications
1	2009	Dinesh SM, Amruthavalli C, Kusuma L and NB Ramachandra 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 NB Ramachandra 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, Eds. C Basavaraju, CN Ravikumar and C Amruthavalli, Centre for Information Science and technology & DOS in Computer Science, University of Mysore, Mysore.</i> pp: 153-157.
3	2009	Ranjini MS, Amruthavalli C and NB Ramachandra Molecular perspective of Sod 1 in <i>Drosophila nasuta nasuta</i> . <i>Proc. Of National Conference on Information Technology and its applications held on 21-22 Nov. 2009, Eds. C Basavaraju, CN Ravikumar and C Amruthavalli, Centre for Information Science and technology & DOS in Computer Science, University of Mysore, Mysore.</i> pp: 97-105.
4	2008	Radhey S. Gupta, Ramachandra NB , Timothy Bowes and Bhag Singh Unusual cellular disposition of the mitochondrial molecular chaperones Hsp60, Hsp70 and Hsp10. <i>The Biology of extracellular molecular chaperones, Wiley, Chichester (Novartis Foundation Symposium 291 p59-73. Citation – 52</i>
5	2007	Ranjini, MS and NB Ramachandra Recombination influences longevity in karyotypically similar hybrid races of <i>nasuta-albomicans</i> complex of <i>Drosophila</i> . <i>Proc. Nat. Symp. RTIBS, 90-96.</i>
6	2007	Kusuma Lingaiah and NB Ramachandra Genes Involved in Congenital Heart Diseases: A Review <i>Proc. Nat. Symp. RTIBS, 22-28.</i>
7	2007	Mahdi Bijanzadeh, NB Ramachandra Possible causes of Asthma in Mysore, South India. <i>Proc. Nat. Symp. RTIBS, 74-77.</i>
8	1999	Tanuja MT., Ramachandra NB and HA Ranganath. Hybridization and Racialiation in <i>Drosophila</i> . <i>DST SERC Research highlights:17-21.</i>
9	1987	Ramachandra, NB 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 : 85)**

<i>Sl no</i>	<i>Year</i>	<i>Details of publications</i>
1.	2021	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. Illumina short-read de novo genome assembly of laboratory evolved Cytorace-3 of <i>Drosophila nasuta-albomicans</i> complex, NCBI- GenBank Accession: JADKZD000000000.
2.	2020	DSouza, S. M., Ponnanna, K., Chokkanna, A. and Ramachandra, N. B. Illumina short-read sequencing data, de novo assembly and annotations of the <i>Drosophila nasuta nasuta</i> genome, NCBI- GenBank Accession: JADFWM000000000.
3.	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. Nanopore long-read sequencing and de novo assembly of the <i>Drosophila nasuta nasuta</i> genome, NCBI- GenBank Accession: JADKZE000000000.
4.	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. Improvised genome assembly of <i>Drosophila nasuta nasuta</i> Coorg strain. NCBI- GenBank Accession: JADFWM000000000.
5.	2020	DSouza, S. M., Ponnanna, K., Chokkanna, A. and Ramachandra, N. B. Illumina short-read sequencing data, de novo assembly and annotations of the <i>Drosophila nasuta albomicans</i> genome, NCBI- GenBank Accession: JADFWL000000000.
6.	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. Illumina short-read de novo genome assembly of laboratory evolved Cytorace-2 of <i>Drosophila nasuta-albomicans</i> complex, NCBI- GenBank Accession: JADKZF000000000.
7.	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. Illumina short-read de novo genome assembly of laboratory evolved Cytorace-9 of <i>Drosophila nasuta-albomicans</i> complex, NCBI- GenBank Accession: JADLKD000000000.
8.	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. Illumina short-read de novo genome assembly of laboratory evolved Fissioncytorace-1 of <i>Drosophila nasuta-albomicans</i> complex, NCBI- GenBank Accession: JADKZB000000000.
9.	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. gDNA of <i>D. n. nasuta</i> Coorg strain: Adult whole male, NCBI- Sequence

		read Archive (SRA) Accession: SRX8655761.
10	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. gDNA of <i>D. n. albomicans</i> Okinawa strain: Adult whole male, NCBI-SRA Accession: SRX8655762.
11	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of <i>Drosophila nasuta</i> : adult testis, NCBI- SRA Accession: SRX7545047.
12	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of <i>Drosophila albomicans</i> : adult testis, NCBI- SRA Accession: SRX7545048.
13	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace-2: adult testis, NCBI- SRA Accession: SRX7545049
14	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace-3: adult testis, NCBI- SRA Accession: SRX7545050.
15	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace-9: adult testis, NCBI- SRA Accession: SRX7545051:
16	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of Fissioncytorace-1: adult testis, NCBI- SRA Accession: SRX7545052:
17	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of <i>Drosophila nasuta</i> : adult ovaries, NCBI- SRA Accession: SRX5208243.
18	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of <i>Drosophila albomicans</i> : adult ovaries, NCBI- SRA Accession: SRX5208244.
19	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace 2: adult ovaries, NCBI- SRA Accession: SRX5208245.
20	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace 3: adult ovaries, NCBI- SRA Accession: SRX5208246.
21	2020	Ponnanna, K., DSouza, S. M., and Ramachandra, N. B. RNA-Seq of Cytorace 9: adult ovaries, NCBI- SRA Accession: SRX5208241.
22	2020	DSouza, S. M., Ponnanna, K., and Ramachandra, N. B. RNA-Seq of Fissioncytorace 1: adult ovaries, NCBI- SRA Accession: SRX5208242.
23	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> isolate Cytorace1 Rab protein (Rab gene, partial cds. NCBI Accession Number KP684488.

24	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> isolate Cytorage2 Rab protein (Rab gene, partial cds. NCBI Accession Number KP684489.
25	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> isolate Cytorage3 Rab protein (Rab gene, partial cds. NCBI Accession Number KP684490.
26	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> isolate Cytorage4 Rab protein (Rab gene, partial cds. NCBI Accession Number KP684491.
27	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> isolate Cytorage5 Rab protein (Rab gene, partial cds. NCBI Accession Number KP684492.
28	2015	Padma,R. and NB Ramachandra <i>Drosophila albomicans</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684493.
29	2015	Padma,R. and NB Ramachandra <i>Drosophila immigrans</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684494
30	2015	Padma,R. and NB Ramachandra <i>Drosophila kohkoa</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684495.
31	2015	Padma,R. and NB Ramachandra <i>Drosophila nasuta</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684496.
32	2015	Padma,R. and NB Ramachandra <i>Drosophila neonasuta</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684497.
33	2015	Padma,R. and NB Ramachandra <i>Drosophila rubida</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684498.
34	2015	Padma,R. and NB Ramachandra <i>Drosophila sulfurigaster</i> Rab protein (Rab gene, partial cds. NCBI Accession Number KP684499.
35	2013	Radhika P and NB Ramachandra <i>Drosophila albomicans stoned A (stnA</i> gene, partial cds. NCBI Accession Number KC907708.
36	2013	Radhika P and NB Ramachandra <i>Drosophila rubida dopamine receptor-2 (DopR2</i> gene, partial cds. NCBI Accession Number KC907709.
37	2011	Radhika P and NB Ramachandra <i>Drosophila sulfurigaster</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315199.
38	2011	Radhika P and NB Ramachandra

		<i>Drosophila neonasuta</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315198.
39	2011	Radhika P and NB Ramachandra <i>Drosophila nasuta</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315197.
40	2011	Radhika P and NB Ramachandra <i>Drosophila naalC6</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315196.
41	2011	Radhika P and NB Ramachandra <i>Drosophila naalC5</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315195.
42	2011	Radhika P and NB Ramachandra <i>Drosophila naalC4</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315194.
43	2011	Radhika P and NB Ramachandra <i>Drosophila naalC3</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315193.
44	2011	Radhika P and NB Ramachandra <i>Drosophila naalC2</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315192.
45	2011	Radhika P and NB Ramachandra <i>Drosophila naalC1</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315191.
46	2011	Radhika P and NB Ramachandra <i>Drosophila kohkoa</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315190.
47	2011	Radhika P and NB Ramachandra <i>Drosophila albomicans</i> Partial genomic DNA sequence of gene aly. NCBI Accession Number JQ315189.
48	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185210.
49	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185209.
50	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185208.
51	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185207.
52	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI

		Accession Number, JN185206.
53	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185205.
54	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185204.
55	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185203.
56	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185202.
57	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185201.
58	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185200.
59	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> female- NCBI Accession Number, JN185199.
60	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185198.
61	2011	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, JN185197.
62	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693563.
63	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693556.
64	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693562.
65	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693561.
66	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI

		Accession Number, HQ693560.
67	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta albomicans</i> male- NCBI Accession Number, HQ693559.
68	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693558.
69	2010	Bijaya T. and NB Ramachandra gDNA sequence contigs of <i>Drosophila nasuta nasuta</i> male- NCBI Accession Number, HQ693557.
70	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Coorg copper/zinc superoxide dismutase(SOD1 gene, complete cds. Accession No. FJ554532.
71	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila albomicans</i> strain Okinawa copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. GU300109.
72	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-2 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ326578.
73	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-3 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ326579
74	2010	Ranjini M. S. and NB Ramachandr <i>Drosophila nasuta</i> strain Cytorace-9 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ326580.
75	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-11 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ32658.
76	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-15 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ326582.
77	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-16 copper/zinc superoxide dismutase (SOD1 gene, complete cds. Accession No. HQ326583.
78	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Coorg histone deacetylase (Rpd3 gene,complete cds. Accession No. HQ323752.
79	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila albomicans</i> strain Okinawa histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ326584.
80	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorace-2 histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ379189.

81	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorange-3 histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ379190.
82	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorange-9 histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ379191.
83	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorange-11 histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ379192.
84	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorange-15 histone deacetylase (Rpd3 gene, complete cds. Accession No. HQ379193.
85	2010	Ranjini M. S. and NB Ramachandra <i>Drosophila nasuta</i> strain Cytorange-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 NB Ramachandra Distribution of <i>Drosophila</i> flies in eight different altitudes of three districts of Karnataka, India. 91: 82-87.
2	2004	Sajesh Babu and NB Ramachandra Isolation of new alleles of <i>ifm(2RU</i> mutants by EMS mutagenesis. 87:59-64.
3	2000	Akhileshwar,V.and NB Ramachandra Flight ability of the newly isolated three indirect flight mutations in <i>Drosophila</i> 83: 110—113.

4	2000	Akhileshwar, V. and NB Ramachandra 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 NB Ramachandra Induction and isolation of chromosome specific flight muscle mutations in <i>Drosophila melanogaster</i> . 80: 102-103.
6	1997	Upendra N. and NB Ramachandra . Isolation of an allele of yellow body mutation in <i>Drosophila melanogaster</i> by an unusual pattern of inheritance. 80: 45-46.
7	1996	Ramachandra, NB and HA Ranganath. Evolution of new karyotypic strains (Cytoraces through hybridization in <i>Drosophila nasuta</i> system. 77: 86-88.
8	1987	Ramachandra NB. , 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	Ramachandra NB 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	Ramachandra NB 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	Ramachandra, NB and HA Ranganath. Resource utilization divergence in two cosmopolitan and sympatric species of <i>Drosophila</i> . 63: 110-111.
12	1985	Ushakumari A., Ramachandra NB 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	Ramachandra NB and HA Ranganath. Further studies on B-chromosomes in <i>Drosophila nasuta albomicans</i> . 61:139-140. Citation - 02
14	1984	Ramachandra NB and HA Ranganath. Preliminary studies on the differences in the nutritional requirements in <i>Drosophila</i> . 60: 171.

V PROTOCOLS / METHODS DEVELOPED: 05

1.	2020	Koushik Ponnanna and Nallur B. Ramachandra Quantification of genomic variants and cross-species comparisons from whole genome/chromosome alignments in <i>Drosophila</i> , <i>ebook</i> : In:Experiments with <i>Drosophila</i> for Biology Courses. 2021. (eds: S.C. Lakhotia & H.A. Ranganath). Indian Academy of Sciences, Bangalore, India, 84: 553-562.
2	2020	Rajanikanth C and N. B. Ramachandra Molecular Phylogenetics of <i>Drosophila</i> species, <i>ebook</i> : In:Experiments with <i>Drosophila</i> for Biology Courses. 2021. (eds: S.C. Lakhotia & H.A. Ranganath). Indian Academy of Sciences, Bangalore, India, 85:563-570.
3.	2020	Rajanikanth C and N. B. Ramachandra

		Understanding the molecular evolution using <i>Drosophila</i> genes, <i>ebook</i> : In:Experiments with <i>Drosophila</i> for Biology Courses. 2021. (eds: S.C. Lakhotia & H.A. Ranganath). Indian Academy of Sciences, Bangalore, India, 86: 571-580.
4.	2009	Ramachandra NB and Ranjini M.S Experiments to Demonstrate Change in Allelic Frequency by Genetic Drift. <i>Resonance - J. Science Education</i> , 14 (11: 1110-1118).
5.	1998	Ramachandra NB A simple and rapid method for isolation of cellular DNA. <i>Resonance - J. Science Education</i> 3(7: 71-73

v DOCUMENTATIONS/ BOOKS: 14

Sl No	Year	Details of publications
1-2	2020	Ramachandra NB Two MHRD-CEC- MOOC online 4 credit courses developed – Human Genetics and Principles of Genetics for Undergraduate students of Life Sciences, India
3	2014	Ramachandra NB GENOME DATABASES - 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, University of Mysore Genome Centre , University of Mysore Home page, http://umgc.uni-mysore.ac.in/ .
4	2012	Ramachandra NB Document on DROSOPHILA STOCK CENTRE – A National Facility, 1990-2012, University of Mysore, DOS in Zoology, Mysore, Compiled on September 2012
Chapter in international book – 01		
5	2011	Prakash Padakannaya and NB Ramachandra “ <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>
Chapters for academic courses- 11		
6-7	2007	Ramachandra NB Two lessons on (1 Genetic engineering and (2 Gene expression and Selection to teach M.Sc. Microbiology Distance Education course in Karnataka State Open University, Mysore.
8-10	2005	Ramachandra NB Three lessons, (1 Population genetics and Evolution , (2

		Developmental Genetics, (3 Human genetics , to teach M.Sc., Biotechnology Distance Education course in Karnataka State Open University, Mysore.
11-15	2003	Ramachandra NB Five lessons, (1 Transgenic organisms , (2 Mapping of the genomes , (3 Genome analysis , (4 Population genetics and (5 Somatic cell genetics , to teach M.Sc., Applied Zoology Distance Education course, Kuvempu University, Shimoga.
16	1999	Ramachandra NB “ Genetic Engineering ”, 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: 248

a) Organizer/Convener of Conference/Seminar/ Workshop/Inaugural function: 41

Sl. No.	Status as organizer	Title of the Conference/ Seminar / Workshop	Date
1)	Honoured Guest	International Conference on recent advances in Genetics and genomics on the occasion of superannuation of Prof. N.B.Ramachandra	19 th to 20 th Feb. 2021
2)	Organizing Chairman	Inauguration of Post Graduate Diploma in Personalized Genomic Medicine and One day Symposium on Genomic Medicine	28.12.2019
3)	Organizing Chairman	The 3rd Annual Life Sciences Quiz Competition (for University of Mysore M.Sc. Students	04.05.2019
4)	Organizing Chairman	International women day celebration , DOS in genetics and genomics	08.03.2019
5) 6)	Organizing Chairman	The 3rd Annual Life Sciences Quiz Competition (for University of Mysore M.Sc. Students and others	23.02.2019
7)	Convener and inaugurated	Science Academies’ sponsored two days lecture workshop on “ Genetics - the Basis of Life ” at SDM College, Ujire, Mangaluru	28.09.2018 to 29.09.2018
8)	Convener and inaugurated	Science Academies’ sponsored two days lecture workshop on “ Changing concepts in Life Sciences ” at Bharathi College, Bharathinagar, Mandya	07.09.2018 to 08.09.2018
9)	Organizing Chairman	The 2nd Annual Life Sciences Quiz	23.02.2018

		Competition (for University of Mysore M.Sc. Students)	
10)	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
11)	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
12)	Organizing Chairman	Seminar on" Nobel Prize in Medicine 2017: Drosophila Yet Again"	11.10.2017
13)	Organizing Chairman	The 1st Life Sciences Research Symposium (for University of Mysore MSc Students)	19.05.2017
14)	Organizing Chairman	The 1st Annual Life Sciences Quiz Competition (for University of Mysore M.Sc. Students)	28.04.2017
15)	Organizing Chairman	Flash-Mob and street play 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
16)	Organizing member	Inauguration of new building of department of Genetic and Genomics, Univ. of Mysore, MGM	01.12.2016
17)	The organizing LOCAL SECRETARY	103 rd Indian Science Congress 2016 Organized by University of Mysore (2014-2016)	03.01 2016 to 07.01 2016
18)	One of the Organizer for Curtain Raiser- Industry & Press Meet for the 103 rd Indian Science Congress- Pride of India Expo-2016	MM Activ, Sci-Tech Communications, Bengaluru	04.11.2015
19)	Organizing Chairman	Inaugural function of department of Genetic and Genomics, Plenary talks and Panel discussion	10.10.2015

20)	One of the mentors of the organizing committee, Univ. of Mysore, Mysore	10 th Kannada Vignana Sammelana	15.09.2014 to 17.09.2014
21)	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
22)	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 th - 17 th 2012
23)	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 th -17 th 2011
24)	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 th Annual meeting of the society for reproductive biology and comparative endocrinology- 2011	February 10 th -12 th 2011
25)	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Sixth Drosophila meeting	November 19 th -20 th 2010
26)	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 rd -4 th Dec. 2009
27)	One of the Organizers, DOS in Zoology, University of Mysore	National Conference on Recent trends in Animal physiology	29 th -30 th Oct. 2009
28)	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 th - 1 st June, 2009
29)	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, University	Darwin's 200 th Birth anniversary celebrations	May 25 th - 26 th , 2009

	of Mysore		
30)	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Fifth Drosophila meeting	March 28-29 th 2008
31)	One of the Members of the organizing committee, sponsored by Dept. of Biochemistry, KLE University, JAWAHARLAL Nehru Medical College, Belgaum	Biochemistry CME 2007 and Workshop on DNA technology	Dec.1 st , 2007
32)	One of the Organizers, Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore	Workshop on "Phylogenetic Biology"	July 3 rd to 18 th , 2006
33)	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 th , Jan., 2006
34)	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 th 2004
35)	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 th Nov. 2003
36)	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
37)	One of the Members of	Course on Genetics and Development	23 days

	organizing committee, Department of Zoology, Univ. of Innsbruck, Austria.		June 2001
38)	Member of the organizing committee, Organized by Drosophila Stock Centre	Interaction meeting on "Chromosomes and evolution"	August, 1997
39)	Member of the organizing committee, Organized by Drosophila Stock Centre	Fourth Drosophila meeting	March, 1997
40)	Member of the organizing committee, Organized by Drosophila Stock Centre	Third Drosophila meeting	March, 16- 18 th , 1995
41)	Member of the organizing committee, Organized by Drosophila Stock Centre	Drosophila meeting	August 5-6 th , 1993
42)	Member of the organizing committee, Organized by Drosophila Stock Centre	Orientation course on Cytogenetics of <i>Drosophila</i> for College teachers	May 24 th - 29 th , 1993

b Conference/Seminar/workshop/Science Exhibition Chaired/ Inaugurated: 22

<i>Sl. No.</i>	<i>Title of the Conference / seminar</i>	<i>Organized by</i>	<i>Date</i>
1)	Inauguration as Chief Guest of Two days Science Academies Virtual Lecture Workshop on "Recent development in Biotechnology"	Sponsored by Indian Academy of Sciences, Bengaluru and Nehru Arts and Science College, Coimbatore	3rd and 4th March 2021
2)	Inauguration as Chief Guest of Science Academies Virtual Lecture Workshop on "Genomics and the fight against infectious diseases"	Sponsored by Indian Academy of Sciences, Bengaluru and organized by PG and Research Department of Microbiology Hindusthan College of Arts and Science Coimbatore	26-28 Nov. 2020
3)	Inauguration and Key note address Workshop on "Bioinformatics and its applications in Biological Research"	Central Sericultural Research and Training Institute, Mysuru	Inaugurated 25.03.2019
4)	National Science day Talk: Genomic variations and their implications in human Health	JSS Academy of Higher Education and Research, JSS University	Chief Guest on 28.02.2019
5)	Celebration of 153rd Birth	DOS in Genetics and	Inaugurated

	anniversary of T.H. Morgan, Geneticist and Nobel laureate	Genomics, MGM	on 25.09.2018
6)	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
7)	One of the Co-Chair persons of the Nobel laureate session of Sir. John Gurdon and Dr. Manjul Bhargava	103 rd Indian Science Congress 2016 Organized by University of Mysore	Co-Chaired 04.01 2016
8)	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
9)	National Seminar on Life & Life processes: Sustainable development	Department of Zoology Goa University, GOA	Chaired a session of paper presentations on 21.2.2015
10)	10 th Kannada Vignana Sammelana	University of Mysore	Chaired the Session – Palineeyam on 17.09.2014
11)	Eco Club -2014 in the eve of Mendel's 193 rd 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
12)	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
13)	Two days National Seminar on "Recent trends in Information Technology and Animation, Visual effects and Gaming"	Centre for information Science and Technology, University of Mysore, Mysore.	Chaired a Session on 10.11.2012
14)	Indo-US Symposium on Molecular Pharmacology and Applied Therapeutics	JSS University, JSS Medical College, Mysore 15	Chaired a session Lecture-11

			6 th -7 th Nov 2012
15)	Science Exhibition	S.B.R.R. Mahajana First Grade College Jayalakshmpuram Mysore 570012	Inaugurated as Chief Guest on 09.03.2012
16)	50 Years of Down syndrome: Cytogenetics, Clinical Management and New Research (12 th -14 th Nov 2010	Centre for Human Genetics Bangalore	Chaired a session 14.10.10
17)	Workshop cum training on Bioinformatics	Department of Bioinformatics Karnataka State Women University, Jnanashakti Campus, Bijapur	Inaugurated as Chief Guest on 28.03.2010
18)	CME in Biochemistry – Bio-gene (04.03.2010	Department of Biochemistry, Mysore Medical College and Research Institute	Chaired Medical Genetics session 04.03.2010
19)	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
20)	Darwin's 200 th Birth anniversary celebrations	Unit on Evolution and Genetics, DOS in Zoology, University of Mysore.	Chaired V session 26.05.2009
21)	Darwin's 200 th Birth anniversary celebrations	Unit on Evolution and Genetics, DOS in Zoology, University of Mysore.	Chaired VIII session 26.05.2009
22)	XXXIII Annual conference of the ISHG and International symposium on "Genetics revisited: the Genomics and Proteomics advantage" (February 11 th -13 th 2008	Andhra University Department of Human Genetics, Vishakapatnam, Andhra Pradesh.	Chaired Session-XV Feb.13, 2008

**c Paper presented / Plenary/Invited Webinar talks / Invited Lectures delivered in
Conference/ Seminar: 167**

<i>Sl.No.</i>	<i>Conference/Seminar/ summer Institute/ workshop</i>	<i>Sponsors/ Organized</i>	<i>Duration & Year</i>	<i>Title of the Talk/ Paper presented</i>
1)	25 th Refresher Course in History (Online on Multi-	UGC-Human Resource Development Centre,	15.03.2021	Applications of Genetics to Human Welfare

	disciplinary approach to Historical Research	University of Mysore, Manasagangotri, Mysore		
2)	Two days Science Academies Virtual Lecture Workshop on “Recent development in Biotechnology”	Sponsored by Indian Academy of Sciences, Bengaluru and Nehru Arts and Science College, Coimbatore	3rd and 4th March 2021	1) Over View of Genomics 2) Personalized Genomic Medicine
3)	Webinar Series in Zoology	Department of Zoology, Sri Adichunchanagiri First Grade College Channarayapatna, Hassan District, Karnataka	28.12.2020	Special Talk on “Basic Principles of Genetics”
4)	Refresher course in Life Sciences (Interdisciplinary	HRDC, Bangalore University, Bengaluru	21.12.2020	Two Talks on “Genomic Variations and their implications on human health”
5)	Science Academies Lecture Workshop on “Genomics and the fight against infectious diseases”	Indian Academy of Sciences, Bengaluru, organized by PG and Research Department of Microbiology Hindusthan College of Arts and Science Coimbatore	26-28 Nov. 2020	1) Genomic Variations 2) Genomic Medicine
6)	2 nd Webinar - Coronavirus: Research Opportunities and Challenges in the Present and Future Scenario	Central University of Karnataka, Kalburgi, India	05.08.2020	Genetics of COVID - 19
7)	Webinar on current trends in Life Science Zoom Meeting -	Department of Life Sciences, Bangalore University, Bengaluru	27.07.2020	Genomics and its applications

	shorturl.at/bfpq9			
8)	Webinar series on Research Careers in Biological Sciences, http://meet.google.com/sfv-crld.upu	Organized by Department of Zoology and Genetics and Genomics, University of Mysore	21.07.2020	Where do we stands today
9)	Webinar talk by Webex meeting	The Centre for Applied Genetics, Bangalore University, Bengaluru	20.07.2020	Inauguration as Chief Guest of Two days Science Academies Virtual Lecture Workshop on “Recent development in Biotechnology”
10)	Two days Webinar- Focus on COVID-19: AN EXPERT Hub Zoom meeting	Organized by Department of Zoology and Genetics and Genomics, University of Mysore	12.06.2020	Genetics of COVID - 19
11)	Expert Scientific Opinion	Organized by TV9 , Kannada News Channel	06.06.2020	Corona Virus and A blood group
12)	Panel Discussion - “India’s First Virtual AI conference - Artificial Intelligence Fest-2020	Organized by Orbit Shifters, Hyderabad. www.ai-fest.in	03.05.2020	How AI is impacting Healthcare:”
13)	Refresher course in Life Sciences	UGC-Human Resource Development Centre, University of Mysore	24.01.2020	Invited talks: Know your Genome 1 & 2
14)	Refresher course in Life Sciences	UGC-Human Resource Development Centre, Goa University, Goa	25.11.2019	Invited talks: Know your Genome 1 & 2
15)	National Workshop on “Applications of Digital PCR and	Institute of excellence University of Mysore	21.11.2019	Invited talks:Genomics and its applications

	SE3 cell sorter in Life sciences”			
16)	Workshop on “From Nutrigenetics to Personalized Nutrition”	Department of Food Science and Nutrition, University of Mysore, Mysore	23.08.2019	Invited talks: Genomics and its applications
17)	Inter-Disciplinary Refresher course in Research Methodology in Sciences	Human Resource Development Centre, Karnatak University, Dharwad - 580 003	23.03.2019	Invited talks: 1 Genetics Today: how we are different from others 2) Know your genome
18)	Seminar	Department of Applied Genetics, Karnatak University, Dharwad	23.03.2019	Genomic variations and its implications
19)	84 TH Annual Meeting	Indian academy of Sciences, Bengaluru, Hosted by Banaras Hindu University, Varanasi	2-4 November 2018	Impact of Copy number Variations in Genome organization, Diseases and Evolution
20)	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
21)	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
22)	International conference on “Genome Biology 2018: Mechanisms in Health and Disease”	Department of Biochemistry, Indian Institute of Sciences, Bangalore	13 to 14 th July 2018	Invited talk on “Genomic approaches in the diagnosis of Type 2 Diabetes”
23)	Orientation course for NSS Officers of Karnataka State Universities	Karnataka State Open University, Manasagangotri, Mysuru	07.03.2018	Talk on “Know your genes”

24)	Orientation course for NSS Officers of Karnataka State Universities	Karnataka State Open University, Manasagangotri, Mysuru	27.02.2018	Talk on "Know your genome"
25)	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 th -28 th Feb. 2018	Talk on "Genetic basis of sex determination in <i>Drosophila</i> "
26)	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
27)	Science Academies' sponsored two days lecture workshop on "New Horizons in Genetics"	Department of Zoology, Yogi Vemana University, Kadapa, A.P.	7 th - 8 th Feb. 2018	Talks on 1 Recent Understanding of Genomic Variations 2 Personalized genomic Medicine
28)	International conference on current trends in advanced Biomedical Technology	Organized by Department of Biotechnology, Nehru Arts and Science College, Kuniyamuthur, Coimbatore, Tamil Nadu	24 th to 25 th Dec. 2017	Personalized Genomic Medicine
29)	98 th 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
30)	Science Academies' sponsored two days lecture workshop on "Genomics, Transcriptomics	Organized by Department of Biosciences, Mangalore University Mangaagangotri Mangaluru	9 th to 10 th Nov, 2017	Talks on 1 Recent understanding of Genomic variations 2 Genomic Medicine

	and Beyond”			
31)	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
32)	National workshop SCHOLAR SUMMIT on “Initiatives for Excellence in Academic Research”	Organized Internal Quality Assurance Cell (IQAC by, St. Joseph’s College (Autonomous, Irinjalakuda, Thrissur, Kerala	27 th July 2017	Keynote address on “Initiatives for Excellence in Academic Research”
33)	Convener -Science Academies’ sponsored two days lecture workshop on “New Horizons in Genome Engineering”	Organized by Department of Biotechnology, Nehru Arts and Science College, Kuniyamuthur, Coimbatore, Tamil Nadu	5 th to 6 th July, 2017	Talks on 1 Diversity of Genomes 2 Personalized genomic Medicine
34)	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 th to 7 th March, 2017	Talks on 1 Diversity of Genomes 2 Strategies to unravel human complex genetic diseases
35)	12 th 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”
36)	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
37)	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”

38)	Refresher Course in Life Sciences Biotechnology	Academic Staff College Jnana Bharathi Bangalore University Bengaluru	05.07.2016	Talk on "A view on Human Genomics"
39)	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
40)	Special Lecture	Organized by P.G Department of Biotechnology & Microbiology, Kamatak University, Dharwad	25.02.2016	Talk on "Genomics Today"
41)	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?"
42)	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"
43)	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"
44)	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"
45)	Refresher Course	Academic Staff	03.03.2015	Resource person to

	in Biotechnology	College Jnana Bharathi Bangalore University Bengaluru		Talk on "Recent advances in Genomics"
46)	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"
47)	National Seminar on Life & Life processes: Sustainable development	Department of Zoology Goa University, GOA	20.02.2015	Plenary Talk "Genetic approach for personalised molecular Medicine: A case study

48)	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>
49)	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 st century”
50)	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”
51)	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
52)	102 nd 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>
53)	One day symposium on Human Cytogenetics and Genetic Toxicology	School of Life sciences, Manipal University, Manipal, Karnataka	10.12.2014	Genetics of Dyslexia
54)	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”
55)	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”
56)	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”
57)	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
58)	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”
59)	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 th 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”
60)	Refresher course in Life Sciences	School of Biological Science, Bangalore University, Bangalore	01.04.2014	Recent developments in Genomics
61)	Invited Talk	Dept. of Biotechnology ad Bioinformatics, Karnataka women University, Bijapur	27.03.2014	Know your genome

62)	Invited Lectures	Dept. of Biotechnology, Karnatak University, Dharwad	26.03.2014	Heterologous gene expression and RNAi
63)	<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>
64)	Refresher course in Life Sciences	Organized by Academic Staff College, Univ. Mysore,	10.02.2014	Human Genome Analysis: Copy Number Variations
65)	Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	03.02.2014	Know your Genome
66)	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
67)	Refresher course in Life Sciences	Organized by Academic Staff College, University of Mysore, Mysore	23.02.2013	Talk on "Genomics"
68)	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> "
69)	National conference on "Environmental Sciences and Health Hazards"	Department of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad	19-21 st November 2012	Invited talk on "Olfactory Repertoire is Redundant in Humans in Relation to Environment and Health"
70)	National conference on "New Frontiers in Animal Science" on	Department of P.G. Studies and Research in Applied Zoology, Kuvempu University, Shimoga	9-10 th April 2012 10.04.2012	Invited talk on "Unraveling the complexity of developmental dyslexia : An integrated approach"

	the occasion of Kuvempu University silver jubilee celebrations (1987-2012)			
71)	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 rd April 2012 02.04. 2012	Invited talk on "How relevant is the western data from an Indian context? Investigations of complex genetic disorders"
72)	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"
73)	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"
74)	Training on Emerging pedagogies and Assessment Practices in Biology for senior secondary teachers of 4 regions KN, TN, AP & LD	Regional Institute of Education, Mysore	02.02.2012	Talk on " Tools of Genetic Engineering"
75)	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> "
76)	Refresher course in Life Sciences	Organized by Academic Staff	14.12.2012	Talk on "Genomics"

		College, University of Mysore, Mysore		
77)	12 th 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”
78)	Frontier Lecture Series on Science and Technology on the occasion of 150 th 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”
79)	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”
80)	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 th May - 19.5.2011	Interactive Lecture on “Know Your Genes” At Session 7th
81)	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”
82)	First Refresher course in Life sciences	Academic Staff College, Kannur University, Kerala	11.03.2011	Two invited talks on Human genomics
83)	Workshop on	Organized by JSS	08.10.2010	As a Ethics Committee

	“Ethics Committees – challenges in building stakeholder confidence”.	College of Pharmacy, Mysore and Pfizer Ltd, Bangalore		member of MMC and RI, Mysore - Participant
84)	Vision group Inter University subject wise meeting of Life Sciences	Department of Applied Genetics, Karnatak University, Dharwad	19-20 th Feb. 2010	Inter University possible research proposals in Human Genetics
85)	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
86)	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
87)	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”
88)	Workshop on Biotechnology	Karnataka State Women University, Bijapur	27-28 .10. 2009	Invited talk on Genetic Engineering I and II
89)	Workshop on Biotechnology	Shri Dharmasthala Manjunatheswara Mahila Maha Vidyalaya, Mysore	06.10.2009	Invited talk on “Genetic disorders in Indian context”

90)	Seminar	PG Department of Biotechnology, Oxford college, B'lore	6.9. 2009	Talk on "DNA Labeling"
91)	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"
92)	National workshop on Bioinformatics and its applications	Department of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad	28-30 th March 2009	Invited talks on 1 DNA sequencing techniques 2 Human Genome Project
93)	Workshop on techniques in Biotechnology	Autonomous JSS College of Arts, Commerce and Science, Mysore	6.3.2009	Invited talk on "Genomics"
94)	One day workshop on" Integrative Biological Sciences	School of Biological Sciences, Bangalore University, Bangalore	14.02.2009	Special talk on "Human genetics"
95)	Seminar	Microbiology Society, Maharani's Science college for Women, Mysore	10.12.2008	Special Lecture on "Gene Silencing"
96)	Seminar	PG department of Biotechnology, Oxford college, Bangalore	Oct. 2008	Talk on Gene Isolation
97)	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"
98)	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 th 2008	Plenary talk on "Candidate genes involved in the septal development in the human heart"
99)	2 nd National conference on Biotechnology for	Gulbarga University, Department of Biotechnology	January 17-19 th 2008	Lead Lecture on " Aged grandmother - unhealthy children: A

	rural industrial development	Gulbarga		Genetic analysis”
100)	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”
101)	Workshop	Maharani’s College, Bangalore	Oct. 2007	Human genome project
102)	Seminar	PG department of Biotechnology, Oxford college, Bangalore	Oct. 2007	Talk on “Gene cloning”
103)	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”
104)	Seminar of Louis Pasteur Society	Microbiology Section, DOS in Botany, Univ. of Mysore.	March 2007	Special talk on “Genomics”
105)	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”
106)	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
107)	Seminar	Botanical Society, DOS in Botany, Univ. of Mysore.	February 2007	Special talk on “Strategies for gene isolation”
108)	Seminar	PG department of Biotechnology, Oxford college, B’lore	Oct. 2006	Talk on Biotechnology
109)	Seminar	Government College, K.R.Nagar. Mysore Dist.	Oct. 2006	Invited talk on DNA- Past, present and future
110)	Orientation Course	Kendriya Vidyalaya	Aug 2006	Special talk on

		Mysore.		“Recombinant DNA Technology”
111)	Workshop	Mahajana College, Mysore.	September 2006	Special talk on “Future of DNA Technology”
112)	Biospectrum-2006	P.G. Department of Microbiology and Biochemistry, Cauvery campus, Mangalore University, Madikeri.	2 days 4-5 th March 2006	Invited speaker- “Human genome”
113)	Seminar on “Biotechnology”	Post- graduate Department of Biotechnology, JSS College of Arts, Commerce & Science, Mysore.	01.03.2006	Special talk on “Human Genome Project”
114)	Seminar on “Biotechnology”	Post –graduate centre of Pooja Bhagavat Memorial Mahajana Education centre, Mysore	20.02.2006	Special talk on ”Human genome”
115)	Inauguration of Seminar at College programme	S.L.H. Institute of Science, Commerce & Management, Mysore.	01.02.2006	Inaugural talk-“DNA: Past, Present Future”
116)	Methods in gene cloning	Department of Microbiology and Biotechnology, Bangalore Univ., Bangalore.	4 days 10-13 th , Jan. 2006	One of the organizers and resource person
117)	4 th Refresher course in Life Sciences from 5-25 th 2006	UGC-academic staff college, Univ. of Mysore, Mysore.	07.01.2006	Special talk on “Genomics”
118)	Seminar	PG department of Biotechnology, Oxford college, Bangalore.	Oct.2005	Talks on “Invitro packaging and Invitro translation”
119)	Refresher course in Zoology	Academic Staff college, Bangalore Univ. Bangalore.	23.09.2005	Talk on “Recombinant DNA technology”
120)	Workshop on II PU New syllabus 2005-	Organized by Dept. of Pre-University	Sept. 2005	Resource person- “Recombinant DNA

	06	Education Mandya District, Adichunchunagiri college Kumarahalli, Mandya.		technology”
121)	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”
122)	National workshop on “Bioinformatics”	Department of Botany, Microbiology and Biotechnology, Yuvaraja College & CIST, Univ. of Mysore	Jan. 2005	Resource person- “DNA sequencing techniques”
123)	Workshop on “Developmental Biology”	Indian Academy of sciences, Bangalore and MRDG, IISc, Bangalore	Dec.14-20 th 2004	One of the organizer and resource person- “Fly early development, Segmentation genes”
124)	National workshop on Bioinformatics	Department of Biotechnology, Kuvempu University, Shimoga	Sep. 2004	Resource person- DNA sequencing
125)	Workshop on “Chromosome Biology of Insects”	Maharani’s Science College for women, Mysore under UGC sponsored 10 th plan scheme	3 days 29 th June 2004	Invited speaker- Techniques in Biology and Medicine
126)	Refresher course in Life sciences	Academic Staff college, Univ. of Mysore, Mysore.	20.2.2004	Special talks (two on “Genomics I & II”
127)	DNA special symposium	Centre for Applied Genetics, Bangalore University, Bangalore	2 days 15.01.2004	Invited speaker- Chromosomes and Evolution
128)	Refresher course in Zoology	Academic Staff college, Bangalore Univ. Bangalore.	22.12.2003	Invited talks (Two on “Gene cloning & Gene Isolation”
129)	Seminar for BE Biotechnology students	SJCE, Dept. of Environmental Engineering, Mysore.	20.11.2003	Special talk on “Heredity vehicle”
130)	Seminar	PG department of	29.10.2003	Special talk on “ Gene

		Biotechnology, Oxford college, Bangalore.		cloning techniques”
131)	Seminar on “Biotechnology”	DOS in Biotechnology, Kuvempu University, Shimoga.	13.10.2003	Special talk on “DNA Darling of the media”
132)	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> ”
133)	Intensive workshop on Bioinformatics	CSR&TI, Central Silk Board, Mysore.	5 days Feb. 3-7, 2003	Resource person “ <i>Genetic Engineering Tools</i> ”
134)	Seminar on “Genetic engineering Principles and applications”.	RIE, Mysore.	1 day Nov. 2002	Resource person
135)	Special talk on “Genome Sequence data analysis”	CIST, Univ. of Mysore.	1 day July 2002	Resource person
136)	Valedictory meetings of Biochemical society	Department of Studies in Biochemistry, Univ. of Mysore.	May 2002	Invited talk on HUMAN GENOME PROJECT
137)	Refresher course in Botany	Academic Staff college University of Mysore, Mysore.	27.09.2001	Special talk on Tools in recombinant DNA Technology
138)	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> ”
139)	3 rd Refresher course in Zoology	Academic Staff college University of Mysore, Mysore.	12.07.2001	Two Lecturers on “Human Genome Project and Genetic Engineering”

140)	Course on Genetics and Development	Department of Zoology, Univ. of Innsbruck Austria.	23 days June 2001	Resource person - Visiting Professor
141)	Workshop for eight days on Evaluation of intermediate of intermediate (P.C.M.B. Text Book of Andhra Pradesh Govt.	Regional Institute of Education, NCERT, Mysore.	8 days Nov. 2000	Resource person
142)	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>
143)	Meeting on "Chromosomes and Evolution"	Prof. Francisco J. Ayala, University of California, Irvine, USA	1 day June 2000	Discussion
144)	41 st 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>
145)	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>
146)	DD 9 Channel Under Science education programme	AVRC, Univ. of Mysore, Mysore.	16.08.1999	Special television talk on "CLONING AND ITS IMPLICATIONS"
147)	Summer Seminar for schools and college students	SCIENCE FORUM, Mahajana education society, Mysore.	13.05.1999	Special lecture on "CLONING"
148)	Summer Seminar for school students	BREAKTHROUGH science forum Mysore chapter, Mysore.	12.05.1999	Special lecture on "CLONING"
149)	Fly meeting on <i>Drosophila</i> Genetics and Developmental	CCMB, Hyderabad.	3 days March 1999	<i>Screening and isolation of new indirect muscle mutations in Drosophila</i>

	Biology.			
150)	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>
151)	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>
152)	2nd Refresher course in Zoology	Academic Staff College, Univ. Mysore.	Sep. 1998	2 lectures on "Genetic Engineering"
153)	UGC sponsored Refresher course in Zoology and Botany	Gulbarga University, Gulbarga.	July 1998	Three Special Lectures on "Genetic Engineering"
154)	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>
155)	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
156)	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>
157)	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"
158)	International Symposium on "the present and future of major aspects of modern biology"	TIFR, NCBS, Bangalore, INDIA (to celebrate 50 years of TIFR.	3 days Oct. 1996	<i>Isolation of Indirect flight muscle mutants in Drosophila</i>
159)	Seminar for Government	Administrative training Institute, Mysore.	5.10.1996	Special lecture on "DNA Fingerprinting"

	Administrators			
160)	Third Drosophila meeting	Drosophila Stock Centre DOS in Zoology, University of Mysore, Mysore.	3 days March 1995	<i>Population differentiation study with two strains of Drosophila albomicans & one of the Organizers</i>
161)	1st Refresher course in Zoology	Academic Staff College, University of Mysore, Mysore	8.02.1995	Special lecture on "Recombinant DNA Technology"
162)	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>
163)	Orientation course on Cytogenetics of <i>Drosophila</i> 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"
164)	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>
165)	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>
166)	8 th 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>
167)	7 th 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: 24

<i>Sl. No.</i>	<i>Title of the Conference / seminar</i>	<i>Organized by</i>	<i>Date</i>
1.	85 th Annual Meeting	Indian academy of Sciences, Bengaluru, Hosted by University of Hyderabad, Hyderabad	8-9 th November 2019
2.	30 th Mid-year Academy Meeting	Indian academy of Sciences, Bengaluru	29-30 th June 2019
3.	29 th Mid-year Academy Meeting	Indian academy of Sciences, Bengaluru	29--30 th June 2018
4.	28 th Mid-year Academy Meeting	Indian academy of Sciences, Bengaluru	30 th June - 1 st July 2017
5.	1 day workshop on Academic Administration	Organized by Academic Staff College, University of Mysore, Mysore	26.10.2013
6.	The human Genome: Then and Now	Organized by Centre for Human genetics, Bangalore	15.12.2012 to 16.12.2012
7.	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
8.	Stem Cell Meeting	Centre for Human Genetics, organized at JNCASR, Jakkur, Bangalore.	One day April 21 st , 2003
9.	Conference on BANGALORE BIO.COM 2001, BIOTECH HAPPEN HERE	Department of IT and Biotechnology, Government of Karnataka, Bangalore.	3 days March 2001
10.	International symposium on "Frontiers of Genetics and Development"	IISc. & JNCASR, Bangalore.	3 days July 1998
11.	Discussion meeting on "Concepts and Models in developmental Biology"	Indian Academy of Sciences at Nainital, U.P.	7 days April 1998
12.	National workshop on "Radiochemistry and Applications of Radioisotopes"	IANCAS- BARC, Bombay & DOS in Chemistry, Univ. of Mysore.	7 days Nov. 1995
13.	Training Workshop in "Environmental enrichment"	Zoo Outreach Organization and Universities Federation for animal welfare,	1 day Sep. 1994

		U.K. at Mysore ZOO.	
14.	Group Monitoring workshop on "Evolution, Ecology and Behaviour"	DST, New Delhi and DOS in Zoology, Manasagangotri, Mysore.	3 days July 1994
15.	International conference on "Neurobiology from receptors to effectors"	Tata Institute of Fundamental Research Bombay, at Cochin.	3 days May 1994
16.	Interaction meeting on "Evolutionary Ecology"	DST, New Delhi and Centre for Ecological Sciences, IISc. Bangalore.	3 days April 1994
17.	"Genetic and epigenetic controls in development workshop"	Dept. of Developmental Biology and Genetics laboratory, IISc., Bangalore.	One day Feb. 1993
18.	Workshop on "Fluorescent In Situ Hybridization(FISH	Dept. of Microbiology and Cell Biology, IISc., Bangalore.	7 days Jan. 1993
19.	International conference on "Molecular Evolution"	Penn State University, Pennsylvania, U.S.A.	4 days June 1992
20.	Seminar on "Cell Structure and Cytoskeleton"	York University, Toronto, CANADA.	1 day Mar.1991
21.	Conference on "Sex Determination and Dosage Compensation	Dept. of Microbiology and Cell Biology, IISc., Bangalore.	3 days Nov.1989
22.	Indo - US symposium on "Molecular mechanism involved in neuronal Response to damage'	NIMHANS, Bangalore INDIA	3 days Feb. 1989
23.	15 th International Congress of Genetics	Indian National science academy, conducted at Hotel Ashoka, Delhi	Dec. 1983
24.	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: 110

Sl. No.	Chairman/ Member	Particulars	Year (From-To)
SECRETARY			
1	Local Secretary	103 rd Indian Science Congress, 2016	2014-17
SCIENCE ACADEMY MEMBER			
2	Member	Sectional Committee for selection of Fellows Indian Academy of Sciences, Bengaluru	2019-2021
3	Member	Selection for Summer students and teachers Fellowship, Indian Academy of Sciences, Bengaluru	2019-2020
CHAIRMAN			
4	Chairman	Department of Studies in Genetics and Genomics, Univ. of Mysore , MGM	2015- to till date
5	Chairman	Board of Studies in Genetics, University of Mysore	2015-18 2008-11
6	Chairman	Board of Examination in Clinical Embryology and Pre-implantation Genetics, University of Mysore	2018
7	Chairman	Board of Studies in Clinical Embryology and Pre-implantation Genetics, University of Mysore	2017
8	Chairman	Board of Studies in Zoology (PG, University of Mysore	2013-16
9	Chairman	Board of Studies in Clinical Research and Clinical Data Management (PG	2013-16
10	Chairman	Board of Studies in Zoology (UG, JSS College of arts, Commerce & Science, An autonomous College of University of Mysore	2014-16
11	Chairman	Board of Studies in Zoology (UG, University of Mysore	2013-16
12	Chairman	Human ethical committee of Mysore Medical college & Research Institute (MMC&RI, Mysore	2016-18
13	Chairman	Review Committee for recognition of Institution for specialized Studies – IBAB, Bangalore	2015
14	Chairman	Review Committee for recognition of Institution for specialized Studies – Centre for Human Genetics, Bangalore	2014
15	Chairman	Naagaarjuniam Session, 10 th Kannada Vignana Sammelana organized by University of Mysore and Swadheshi andolana- Karnataka (15.09.2014 to 17.09.2014.	2014
	Chairman	Board of examination in Genetics, Univ. of	2014-15

16		Mysore	2011-12 2007-08
17	Chairman	Board of examination in Molecular Biology, Yuvaraja's College	2013-15 2006-07
18	Chairman	Board of examination in Zoology, Univ. of Mysore	2006-07
COORDINATOR			
19	Coordinator	Department of Biotechnology, Govt. of India, Research Project Program Coordinator, Univ. of Mysore	2015-18
20	Coordinator	University Grant Commission- Major Research Project, Coordinator	2015-18
21	Coordinator	M.Sc., Genetics Program, DOS in Zoology, University of Mysore, MGM	2007-15
EDITOR			
22	Guest editor	Journal of All India Institute of Speech and Hearing, Mysore Vol. 28.	2009
23	Editorial member	7 th Editorial Board of Zoological Research, The Chinese Academy of Sciences, China	2008-12
MEMBER OF ACADEMIC COUNCIL			
24	AC, Member	J.S.S. Women Autonomous College of the University of Mysore, Mysore	2016-18
25	AC, Member	Govt. Science Autonomous College, University of Mysore, Hassan	2016-18
26	AC, Member	Yuvaraja's College, Autonomous College of the University of Mysore, Mysore	2007-08
MEMBER OF BOARD OF APPOINTMENT			
27	Member	BOA in Zoology, Mrityunjaya Vidya Peetha's Mahantaswamy Arts, Science and commerce College, Haunsbhavi, Karnatak University, Dharwad	2018
28	Member	BOA in Zoology, S.A. College, Naregal, Karnatak University, Dharwad	2018
29	Member	BOA in Zoology, University of Agricultural Sciences, Bengaluru - 65	2018
30	Member	BOA in Zoology, University of Agricultural Sciences, Bengaluru - 65	2017
31	Member	BOA in Genetics and genomics, University of Mysore, Mysuru	2016
32	Member	BOA in Zoology, Yuvaraja's College (Autonomous, University of Mysore, Mysuru	2016
33	Member	BOA in Zoology, Karnatak University, Dharwad	2016

34	Member	BOA in Division of Biological Sciences, Bangalore University, Bangalore	2014, 2016
35	Member	BOA in Dept of Biosciences, Sri Sathya Sai Institute of Higher Learning, Deemed University, Vidyagiri, Prasanthi Nilayam, AP	2013, 2014
36	Member	BOA in Applied Zoology, Mangalore University, Mangalore	2013
37	Member	BOA in Biotechnology, Tumkur University	2012
MEMBER OF BOARD OF STUDIES			
38	Member	BOS in Clinical Embryology and pre-implantation Genetics, Asia Pacific Institute of Embryology, Mysuru- 9	2016-19
39	Member	BOS in Molecular Biology (PG, University of Mysore, Mysuru	2016-19
40	Member	BOS in Biotechnology, Mangalore University	2016-19
41	Member	BOS in Zoology, Govt. College for Women (Autonomous, Mandya	2016-18
42	Member	BOS in Bioscience PG, Univ. of Mysore	2014-16
43	Member	BOS in Food Science and Nutrition, PG, University of Mysore	2013-16
44	Member	BOS in Microbiology, PG, Univ. of Mysore	2013-16
45	Member	BOS in Applied Zoology, Mangalore University	2013-16
46	Member	BOS in Bioinformatics (PG, Karnataka State Women University Bijapur	2009-16
47	Member	BOS in Bioscience PG, Univ. of Mysore	2014
48	Member	BOS in Biochemistry, Molecular Biology, Nano-Sciences and Technology, Nutrition and Dietetics of the JSS University	2014
49	Member	BOS in Zoology (PG, Karnataka State Women University, Bijapur	2012-14
50	Member	Expert Committee in Zoology (PG, Tumkur University	2013
51	Member	BOS, JSS University Ph. D. Regulation Sub-Committee	2013
52	Member	BOS in Molecular Biology, PG, University of Mysore	2013
53	Member	BOS in Zoology, University of Mysore	2010-13
54	Member	BOS in Life Sciences, Pondicherry University, Puducherry	2009-11
55	Member	BOS in Biotechnology (PG, Karnataka State	2009-11

		Women University Bijapur	
56	Member	BOS in Applied Genetics (PG, Bangalore University, Bangalore	2008-11
57	Member	BOS in Biotechnology, Yuvaraja's College, Autonomous College of the University of Mysore, Mysore	2008-11
58	Member	BOS in Biological Sciences (PG, Bangalore University, Bangalore	2007-10
MEMBER OF BOARD OF EXAMINATION			
59	Member	BOE in Genetics (PG, University of Mysore	2015-18 2012-13 2009-11 2006-07
60	Member	KPSC –Examinations (Gazetted Post	2015-2017
61	Member	Manipal University, Manipal.	2015-2016
62	Member	BOAE for UG and PG in Zoology and Genetics, University of Mysore	2015 2014 2013
63	Member	BOE in Biotechnology, Karnatak University, Dharward	2014
64	Member	K-SET Examination, University of Mysore	2013 2014
65	Member	BOE in Genetics, AllISH, Mysore	2013
66	Subject Expert	Ph. D. Doctoral committee in Biological Science, Bangalore University.	2013
67	Member	Ph. D. Entrance Exam in Genetics, Karnataka University	2013
68	Member	Ph.D Sub-Committee, JSS University, Mysore	2013
69	Member	OPSC Lectureship Examination, Orissa	2013
70	Member	BOE in Zoology (PG, Karnatak University, Dharward	2012
71	Member	Pre-thesis submission colloquium, Dept of Biosciences, Mangalore University, Mangalore	2011-2012
72	Member	BOE in Molecular Biology, Bangalore University, Bangalore	2011-12
73	Member	BOE, Orissa Civil Service (Main 2011	2011
74	Member	BOE in Zoology (PG, University of Mysore	2004-06 2002-03

MEMBER OF OTHER ACADEMIC & ADMINISTRATIVE COMMITTEE			
75	Member	UGC - Dr. D. S. Kothari Postdoctoral Fellowship (DSKPDF)	2018
76	Member	Malpractice legal evaluation committee (MPLEC, University of Mysore, Mysuru)	2016-17
77	Member	Ph.D. new regulation as per UGC norms, University of Mysore, Mysuru	2016-17
78	Member	Local Research Advisory Committee at Mysore Medical college & Research Institute, Mysore	2014-17
80	Member	College Developmental council, Affiliation committee, University of Mysore	2016-17 2015-16 2014-15 2013-14 2011-12 2009-10
81	Member	Institutional Animal ethical committee, University of Mysore, Mysore	2014-17
82	Member	eContent Development Academic standing committee, University of Mysore	2016
83	Member	Human ethical committee of Asthma and Allergy centre, Mysore	2012-16
84	Member	Human ethical committee of Mysore Medical college & Research Institute, Mysore	2007-16
85	Member	Member (University Nominee of the Expert committee to grant autonomous status to Government Science College, Hassan (12-13 of Nov	2014
86	Member	Innovative University committee, University of Mysore	2013
87	Member	Institutional Biosafety Committee, University of Mysore	2013
88	Member	Ph. D. and M. Phil. Regulations Expert Committee, University of Mysore	2013
89	DST Nominated member	As Jury to the Inspire award Exhibition of Hassan District School children	2011 (May 21 st to 22 nd)
90	Member	Ph.D Sub-Committee, JSS University, Mysore	2013
91	Member	Faculty of Science and Technology, University of Mysore	2006 till date
MEMBERS OF PROFESSIONAL ORGANIZATION			

92	Life Member	Human Genome Organization (HUGO)	2008
93	Ordinary Member	Indian Society of Cytology and Genetics	2007-08
94	Life Member	Indian Science Congress Association	2007
95	Life Member	Indian society of Human Genetics	2007
96	Life Member	Indian Society of Developmental Biologist	2003
97	Ordinary Member	American Association of Genetics, USA	2000
98	Ordinary Member	New York Academy of Sciences, USA	1998-99
99	Life Member	Indian Society of Cell Biology	1998
100	Ordinary Member	International Society for Molecular Evolution, USA	1992
101	Ordinary Member	International Society for Heat Shock genes, USA	1991
PROMOTION/POPULARIZATION OF SCIENCE EDUCATION PROGRAMME			
102	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
103	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
104	Organizing Convener	Dr. S. N. Hegde Gold medal for excellence in M.Sc., Zoology and M.Sc., Genetics (Started in 2012.	2012
105	TV- Special Lectures	8 UGC SPECIAL LECTURES were delivered on Biotechnology, Genetic Engineering and Human genome projects in DD 9 television channel in 2006-07	2006-07

106	Organizing Convener	Prof. H. A. Ranganath Gold medal for excellence in M.Sc., Genetics (Started in 2006.	2006
107	Member	Science education programme of University of Mysore for High School Students	2006 onwards
108	Popular Science article Writer	Popular Science article - DNA Fingerprinting , Article in Kannada for Kannada Encyclopedia” Zoology section, Institute of Kannada Studies, Univ. of Mysore, Mysore.	2006
109	TV Talk	Special Television programme on Dolly Cloning in DD9 on 16.08.1999	1999
110	Popular Science article Writer	Popular Science article - Schizophrenia: a chromosomal disease? Indian Express, Dec. 5th,1989, National Newspaper.	1989



INDIAN ACADEMY OF SCIENCES
FELLOWSHIP

This is to certify that

N B Ramachandra

was elected to the Fellowship
of the Indian Academy of Sciences
in the year 2017 in recognition of
outstanding contributions to science.

Maitra Villesh
Secretaries

Shankar
President