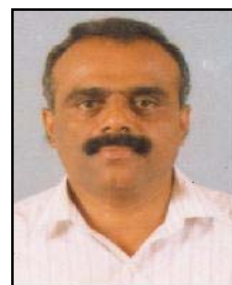


Curriculum Vitae of Dr. J. Nagaraju



- 1. Name** : Nagaraju Javaregowda
- 2. Date of Birth** : 06.11.1954
- 3. Field of Specialization** : Molecular Genetics
- 4. Designation** : Staff Scientist 'G' and Group
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6. Professional attainment

a) Awards won:

Title of the award	Awarding agency/organization	Purpose or achievement for which award was conferred	Nature of the award
Merit Scholarship for Masters Degree, 1976	University of Mysore	For scoring highest marks in B.Sc.	Cash Award
CSIR Research Fellowship, 1977	CSIR	To pursue Ph D	Scholarship
French Government Foreign Ministry Scholarship 1988-1989	Ministry of Foreign Affairs	To carryout research at Department of Molecular Genetics, University of Claude Bernard, Lyon, French	Research Associateship
Visiting Research Associateship, 1997	DBT, Government of India	To carryout research at Department of Genetics, Harvard University, USA	Scholarship
Biotech Product & Process Development & Commercialization Award, 2003	DBT, Government of India	For development of productive silkworm hybrids using DNA markers and conventional breeding	Citation and cash award
Best Scientist or Engineer Award (The Chelikani Atchuta Rao Memorial Award)-2003	The Federation of A.P. Chambers of Commerce	For the benefit of Industry, Trade or Agriculture	Citation and cash award
Tata Innovation Fellowship (2007-2008)	Department of Biotechnology, Government of India	In recognition of contributions to innovative scientific knowledge and platform technologies	Fellowship and contingency grant

b) Positions held:

Sl.No.	Position held	Year
1	Senior Research Officer, CSR & TI, Central Silk Board, Mysore	1983 - 1987
2	Research Associate, Department of Molecular Genetics, University of Lyon , France	1988-1989
3	Deputy Director & Head, Seribiotech Research Laboratory, Bangalore	1990 - 1996
4	Visiting scientist, Dept. of Genetics (Daniel Hartl Laboratory), Harvard University, USA	1997
5	Staff Scientist 'E' and Chief, Molecular Genetics laboratory, Centre for DNA Fingerprinting & Diagnostics, Hyderabad	October 1998 to March 2003
6	Staff Scientist 'F' and Group Leader, Molecular Genetics laboratory, Centre for DNA Fingerprinting & Diagnostics, Hyderabad	April 2003-June 2006
7	Staff Scientist 'G' and Group Leader, Laboratories of Molecular Genetics and DNA Fingerprinting Services, Centre for DNA Fingerprinting & Diagnostics, Hyderabad	From July 2006

c) Particulars of Memberships in academies/societies/professional bodies:

- i. Fellow, Indian National Science Academy
- ii. Fellow, National Academy of Sciences
- iii. Fellow, Indian Academy of Sciences
- iv. Fellow, Andhra Pradesh Academy of Sciences
- v. Fellow, Indian Academy of Forensic Sciences
- vi. Chairman, Biotechnology Research Committee, Indian Academy of Social Sciences
- vii. Member, New York Academy of Sciences
- viii. Member, Genetic Society of America
- ix. Member, Review Committee of Genetic Manipulation (RCGM), Department of Biotechnology, Government of India
- x. Member, Expert Committee on RNAi Platform Technology constituted by the Department of Biotechnology, Government of India
- xi. Member, Sub-committee on GMOs constituted by Ministry of Health, Government of India
- xii. Member, Race Authorization Committee, Department of Sericulture, Government of Andhra Pradesh, India
- xiii. Member, GMO Expert Committee constituted by Bureau of Indian Standards (BIS)
- xiv. Member, Steering Committee, International Consortium of Lepidopteran Genomics
- xv. Life Member & Joint Secretary, Association of DNA Fingerprinting and Allied Techniques (ADNAT)
- xvi. Member, Japanese Society of Sericultural Science
- xvii. Consultant, International Atomic Energy Agency (IAEA) for control of Agriculture pests using genetic approaches
- xviii. Member, Taskforce on Animal Biotechnology-I constituted by Department of Biotechnology, Government of India
- xix. Member, Advisory Committee for setting up of the National Biotechnology Regulatory Authority (NBRA), constituted by Department of Biotechnology, Government of India
- xx. Member, Technical Screening Committee of SBIRI, constituted by Department of Biotechnology, Government of India

d) List of publications in indexed journals:

1. Mrinal N, **Nagaraju J** (2008) Identification of embryonic regulatory element located in the Intron of 3' UTR of the silkworm antibacterial gene, Gloverin. *Journal of Biological Chemistry* (under revision)
2. Singh J, **Nagaraju J** (2008) In silico prediction and characterization of microRNAs from red flour beetle (*Tribolium castaneum*). *Insect Molecular Biology* (In Press)
3. Archak S, **Nagaraju J** (2007) Computational prediction of rice (*Oryza sativa*) miRNA targets. *Genomics, Proteomics and Bioinformatics* 5: 196-206
4. Reddy VLN, Archak S, **Nagaraju J** (2007) Capillary electrophoresis is essential for microsatellite marker based detection and quantification of adulteration of Basmati rice (*Oryza sativa*). *Journal of Agriculture and Food Chemistry* 55: 8112-8117
5. Biju SD, Bocxlaer IV, Giri VB, Roelants K, **Nagaraju J**, Bossuyt F (2007) A new rightfrog, *Nyctibatrachus minimus* sp. nov. (Anura: Nyctibatrachidae): The smallest frog from India. *Current Science* 93: 854-858
6. Gandhe AS, John SH, **Nagaraju J** (2007) Noduler, a novel immune upregulated protein mediates nodulation response in insects. *Journal of Immunology* 179: 6943-6951
7. Kanginakudru S, Royer C, Edupalli SV, Jalabert A, Mauchamp B, Chandrashekarraiah, Prasad SV, Chavancy G, Couble P, **Nagaraju J** (2007) Targeting ie-1 gene by RNAi induces baculoviral resistance in lepidopteran cell lines and in the transgenic silkworms. *Insect Molecular Biology* 16: 635-644
8. Archak S, Reddy VLN, **Nagaraju J** (2007) High throughput multiplex microsatellite marker assay for detection and quantification of adulteration in Basmati rice (*Oryza sativa*). *Electrophoresis* 28: 2396-2405
9. Gandhe AS, Janardhan G, **Nagaraju J** (2007) Immune upregulation of novel anti-bacterial proteins from silkmoths (Lepidoptera) that resemble lysozymes but lack muramidase activity. *Insect Biochemistry and Molecular Biology* 37:655-66
10. Megléc E, Anderson SJ, Bourguet D, Butcher R, Caldas A, Cassel-Lundhagen A, Coeur d'Acier A, Dawson DA, Faure N, Fauvelot C, Franck P, Harper G, Keyghobadi N, Kluetsch C, Muthulakshmi M, **Nagaraju J** et al. (2007) Microsatellite flanking region similarities among different loci within insect species. *Insect Molecular Biology* 16:175-85
11. Sreenu VB, Pankaj Kumar, **Nagaraju J**, Nagarajaram HA (2007) Simple sequence repeats in mycobacterial genomes *Journal of Biosciences* 32: 3-15
12. Archak S, Meduri E, Kumar PS, **Nagaraju J** (2007) InSatDb: A microsatellite database of fully sequenced insect genomes. *Nucleic Acids Research* 35: D36-39
13. Arunkumar KP, **Nagaraju J** (2006) Unusually Long Palindromes are abundant in Mitochondrial Control Regions of Insects and Nematodes. *PLoS ONE* 1(1): e110
14. Bocxlaer IV, Roelants K, Biju S, **Nagaraju J**, Bossuyt F (2006) Late Cretaceous Vicariance in Gondwanan Amphibians. *PLoS ONE* 1(1): e74.
15. Gandhe AS, Arunkumar KP, John SH, **Nagaraju J** (2006) Analysis of bacteria-challenged wild silkmoth, *Antheraea mylitta* (Lepidoptera) transcriptome reveals potential immune genes. *BMC Genomics* 7:184
16. Sreenu VB, Kumar P, **Nagaraju J**, Nagarajaram HA (2006) Microsatellite polymorphism across the *M. tuberculosis* and *M. bovis* genomes: implications on genome evolution and plasticity. *BMC Genomics* 10: 7:78
17. Khurad AM, Kanginakudru S, Qureshi SO, Rathod MK, Rai MM, **Nagaraju J** (2006) A new *Bombyx mori* larval ovarian cell line highly susceptible to nucleopolyhedrovirus. *Journal of Invertebrate Pathology* 92:59-65

18. Arunkumar KP, Muralidhar M, **Nagaraju J** (2006) Molecular phylogeny of silkmoths reveals the origin of domesticated silkmoth, *Bombyx mori* from Chinese *B. mandarina* and paternal inheritance of *Antheraea proylei* mitochondrial DNA. *Molecular Phylogenetics and Evolution* 40:419-427
19. Johny S, Kanginakudru S, Muralirangan MC, **Nagaraju J** (2006) Morphological and molecular characterization of a new microsporidian Protozoa: Microsporidia isolate from *Spodoptera litura* Fabricius Lepidoptera: Noctui dae. *Parasitology* 132:803-814
20. Negi DS, Alam M, Bhavani SA, **Nagaraju J** (2006) Multi-step microsatellite mutation in the maternally transmitted locus D13S317: A case of maternal allele mismatch in the child. *International Journal of Legal Medicine* 120:286-92 92
21. Archak S, **Nagaraju J** (2006) Eicosapentapeptide repeats (EPRs): novel repeat proteins specific to flowering plants. *Bioinformatics* 22:2455-2458 2458
22. Miao XX, Xu SJ, Li MH, Li MW, Huang JH, Dai FY, Marino SW, Mills DR, Zeng P, Mita K, Jia SH, Zhang Y, Liu WB, Xiang H, Guo QH, Xu AY, Kong XY, Lin HX, Shi YZ, Lu G, Zhang X, Huang W, Yasukochi Y, Sugasaki T, Shimada T, **Nagaraju J**, Xiang ZH, Wang SY, Goldsmith MR, Lu C, Zhao GP, Huang YP (2005) Simple sequence repeat-based consensus linkage map of *Bombyx mori*. *Proceedings of National Academy of Sciences of USA* 102:16303–16308
23. Nagaraja GM, Mahesh G, Satish V, Madhu M, Muthulakshmi M, **Nagaraju J** (2005) Genetic mapping of Z-chromosome and identification of W-chromosome specific markers in the silkworm, *Bombyx mori*. *Heredity* 95: 148-157
24. Marec F, Neven LG, Ropbinson AS, Vreysen M, Goldsmith MR, **Nagaraju J**, Franz G (2005) Development of genetic sexing strains in Lepidoptera: From traditional to transgenic approaches. *Journal of Economic Entomology* 98: 248-259
25. Prasad MD, Muthulakshmi M, Arunkumar KP, Madhu M, Sreenu VB, Pavithra V, Bose B, Nagarajaram HA, Mita K, Shimada T, **Nagaraju J** (2005) SilkSatDb: A microsatellite database of the silkworm, *Bombyx mori*. *Nucleic Acids Research* 33: D403-D406
26. Prasad MD, Muthulakshmi M, Madhu M, Sunil Archak, Mita K, **Nagaraju J** (2005) Survey and analysis of microsatellites in the silkworm, *Bombyx mori*: Frequency, Distribution, Mutations, Marker potential and their Conservation in heterologous species. *Genetics* 169: 197-214
27. Rao SN, Muthulakshmi M, Kanginakudru S, **Nagaraju J** (2004) Phylogenetic relationships of three new microsporidian isolates from the silkworm, *Bombyx mori*. *Journal of Invertebrate Pathology* 86:87-95
28. Nagaraja, **Nagaraju J**, Ranganath HA (2004) Molecular phylogeny of the nasuta subgroup of *Drosophila* based on 12S rRNA, 16S rRNA and Col mitochondrial genes, RAPD and ISSR polymorphisms. *Genes and Genetic Systems* 79: 293-9
29. Khurad AM, Mahulikar A, Rathod MK, Rai MM, Kanginakudru S, **Nagaraju J** (2004) Vertical Transmission of Nucleopolyhedrovirus in the Silkworm, *Bombyx mori* L. *Journal of Invertebrate Pathology* 87: 8-15
30. Yasodha R, Kathirvel M, Sumathi R, Gurusurthi K, Archak S, **Nagaraju J** (2004) Genetic analyses of casuarinas using ISSR and FISSR markers. *Genetica* 122: 161-72
31. **Nagaraju J** (2004) Spider silks: A possible key to evolution of spiders *Heredity* 93: 520-521
32. Metta M, Kanginakudru S, Gudiseva N, **Nagaraju J** (2004) Genetic characterization of the Indian cattle breeds, Ongole and Deoni (*Bos indicus*), using microsatellite markers – a preliminary study. *BMC Genetics* 18: 5-16

33. Sreenu VB, Ranjithkumar G, Swaminathan S, Priya S, Bose B, Narendra Pavan M, **Nagaraju J**, Nagarajaram HA (2004) MICdb-Database of Prokaryotic Microsatellites. *Nucleic Acids Research* Published in online database issue
34. Awasthi AK, Nagaraja GM, Naik GV, Kanginakuduru S, Thangavelu K, **Nagaraju J** (2004) Genetic diversity and relationships in mulberry (genus *Morus*) as revealed by RAPD and ISSR marker assays. *BMC Genetics* 5:1
35. Prasad MD, Han SJ, **Nagaraju J**, Lee WJ, Brey PT (2003) Cloning and characterization of an eukaryotic initiation factor-2 alpha kinase from the silkworm, *Bombyx mori*. *Biochimica Biophysica Acta* 1628:56-63
36. Priyadarshini P, Murthy BS, **Nagaraju J**, Singh L (2003) A GATA-binding protein expressed predominantly in the pupal ovary of the silkworm, *Bombyx mori*. *Insect Biochemistry and Molecular Biology* 33:185-95
37. Kanginakuduru S, Venkatasubbaiah EV, Couble P, **Nagaraju J** (2003) Lepidoptera Abstracts. Towards development of baculoviral resistant strains of the silkworm, *Bombyx mori*. Sixth International Workshop on the Molecular Biology and Genetics of the Lepidoptera. 16pp. *Journal of Insect Science*, 3:36, Available online: <http://insectscience.org/3.36>
38. Prasad MD, **Nagaraju J** (2003) A comparative phylogenetic analysis of full-length mariner elements isolated from Indian tasar silkworm, *Antheraea mylitta* (Lepidoptera: saturniidae) *Journal of Bioscience* 28: 443-453
39. Sreenu VB, Vishwanath Alevoor, **Nagaraju J**, Nagarajaram HA (2003). MICdb: Database of Prokaryotic Microsatellites. *Nucleic Acids Research* 31: 106-108
40. Sreenu VB, Ranjithkumar G, Swaminathan S, Priya S, Bose B, Pavan MN, Thanu G, **Nagaraju J**, Nagarajaram HA (2003) MICAS: a fully automated webserver for microsatellite extraction and analysis from prokaryote and viral genomic sequences. *Applied Bioinformatics* 2: 165-168
41. Prasad MD, Nurminsky DL, **Nagaraju J** (2002) Characterization and molecular phylogenetic analysis of mariner elements from wild and domesticated species of silkworms. *Molecular Phylogenetics and Evolution* 25: 210-217
42. **Nagaraju J** (2002) Application of genetic principles for improving silk production. *Current Science* 83: 409-414
43. **Nagaraju J**, Goldsmith, M. R (2002) Silkworm genomics - progress and prospects. *Current Science* 83, 415-425
44. **Nagaraju J**, Kathirvel M, Ramesh Kumar R, Siddiq EA, Hasnain SE (2002) Genetic analysis of traditional and evolved Basmati and non-Basmati rice varieties by using fluorescence -based ISSR-PCR and SSR markers. *Proceedings of National Academy of Sciences of USA*, 99: 5836-5841
45. **Nagaraju J**, Kathirvel M, Subbaiah EV, Muthulakshmi M, Kumar LD (2002) FISSR-PCR: a simple and sensitive assay for high throughput genotyping and genetic mapping. *Molecular and Cellular Probes* 16:67-72
46. **Nagaraju** (2001) Identification of a gene associated with Bt resistance in the lepidopteron pest, *Heliothis virescens* and its implications in Bt transgenic-based pest control. *Current Science* 81: 746-747
47. Kumar LD, Kathirvel M, Rao GV and **Nagaraju J** (2001) DNA profiling of disputed chilli samples (*Capsicum annum*) using ISSR-PCR and FISSR-PCR marker assays. *Forensic Science International* 116:63-68
48. **Nagaraju J**, Reddy KD, Nagaraja GM, Sethuraman BN (2001) Comparison of multilocus RFLPs and PCR-based marker systems for genetic analysis of the silkworm, *Bombyx mori*. *Heredity* 86:588-597

49. Jain D, Nair DT, Swaminathan GJ, Abraham EG, **Nagaraju J**, Salunke DM (2001) Structure of the induced antibacterial protein from Tasar silkworm, *Antheraea mylitta*: Implications to molecular evolution. *Journal of Biological Chemistry* 276: 41377-41382
50. **Nagaraju J** (2000) Recent advances in molecular genetics of the silkworm, *Bombyx Mori*. *Current Science* 78: 746-747
51. **Nagaraju J**, Klimenko V and Couble P (2000) The silkworm *Bombyx mori*, a model genetic system. In: *Encyclopedia of Genetics* (ed Reeves, E) (Fitzroy Dearborn, London, UK) P 219-239.
52. Reddy KD, Abraham EG, **Nagaraju J** (1999) Microsatellites of the silkworm, *Bombyx mori*: abundance, polymorphism and strain characterization. *Genome* 42: 1057-1065
53. Sharma A, Niphadkar MP, Kathirvelu P, **Nagaraju J**, Singh L (1999) DNA fingerprinting variability within and among the silkworm *Bombyx mori* genotypes and estimation of their genetic relatedness using Bkm-derived probe. *Journal of Heredity* (USA) 90:315-319
54. Reddy KD, Abraham EG, **Nagaraju J** (1999) Genetic characterization of the silkworm, *Bombyx mori* by inter-simple sequence repeat (ISSR) - anchored PCR. *Heredity* 83: 681-687
55. **Nagaraju J**, Singh L (1997). Assessment of genetic diversity by DNA profiling and its significance in silkworm, *Bombyx mori*. *Electrophoresis* 18:1676-1681
56. **Nagaraju J**, Kanda T, Tamura T, Coulon M, Couble P (1996) Attempts at transgenesis of the silkworm (*Bombyx mori*) by egg injection of foreign DNA. *Applied Entomology and Zoology* 31: 587-596
57. **Nagaraju J**, Kanda T, Yukuhiro K, Chavancy G, Tamura T, Couble P (1996) Attempt at transgenesis of the silkworm (*Bombyx mori*) by egg injection of foreign DNA. *Applied Entomology and Zoology* 31: 587-596
58. **Nagaraju J** (1996) Sex Determination and Sex-Limited traits in the silkworm, *Bombyx mori* and their applications in sericulture. *Indian Journal of Sericulture* 35: 83-89
59. Abraham EG, **Nagaraju J**, Salunke D, Gupta H, Datta RK (1995) Purification and characterisation of an antibacterial protein from silkworm, *Bombyx mori*. *Journal of Invertebrate Pathology* 65:17-24
60. Nagaraja GM, **Nagaraju J** (1995) Genomic fingerprinting of silkworm, *Bombyx mori* using random arbitrary primers. *Electrophoresis*. 16:1633-1638
61. **Nagaraju J**, Pavan Kumar T (1995) Effect of selection of cocoon filament length in divergently selected lines of the silkworm, *Bombyx mori*. *Journal of Sericulture Science of Japan* 64:103-109
62. **Nagaraju J**, Abraham EG (1995) Purification and characterisation of amylase in tasar silkworm, *Antheraea mylitta*. *Comparative Biochemistry and PhysiologyB*. 110B:201-209
63. **Nagaraju J**, Sharma A, Sethuraman BN, Rao GV, Singh L (1995) DNA fingerprinting in silkworm *Bombyx mori* using banded krait minor satellite DNA-derived probe. *Electrophoresis* 16:1639-1642
64. Abraham EG, **Nagaraju J**, Datta RK (1992) Biochemical studies of amylase in silkworm, *Bombyx mori* (I) Comparative analysis in diapausing and non-diapausing strain. *Insect Biochemistry and Molecular Biology* 22:867-873
65. Singh R, **Nagaraju J**, Rao R, Premalatha V, Vijayaraghavan K, Gupta SK (1990) Heterosis analysis in the silkworm, *Bombyx mori*. *Sericologia* 30: 293-300.

66. Singh R, **Nagaraju J**, Vijayaraghavan K (1989) Studies on the inheritance of trimoulters in the silkworm, *Bombyx mori*. *Current Science* 58: 324-326
67. **Nagaraju J**, Premalatha V, Singh R, Noamani MKR, Jolly MS (1989) Isolation of a polyvoltine strain with sex-limited larval markings in silkworm, *Bombyx mori*. *Sericologia* 29: 495-502.
68. Singh R, **Nagaraju J**, Noamani MKR, Vijayaraghavan K (1988) Termination of egg diapause in the silkworm, *Bombyx mori* with hot water treatment. *Current Science* 57: 1139-1140
69. **Nagaraju J**, Singh R, Premalatha V (1988) Sex ratio in normal and sex-limited strains of silkworm, *Bombyx mori*. *Current Science* 57: 1201-1202
70. Puttaraju HP, **Nagaraju J** (1988) Preliminary observations on the occurrence of B-chromosome in the silkworm, *Antheraea roylei* (Lepidoptera: Saturniidae). *Current Science* 54: 471-472
71. **Nagaraju J**, Singh R, Premalatha V (1987) Low temperature induced abnormalities in silkworm *Bombyx mori*. *Current Science* 56: 1249-1251
72. **Nagaraju J**, Jolly MS (1986) Interspecific hybrids of *Antheraea pernyi* and *A. roylei* - A cytogenetic reassessment. *Theoretical and Applied Genetics* 72:269-273.

e) List of books/reviews written:

1. **Nagaraju J**, Kleminkob V, Couble P (2001) The silkworm, *Bombyx mori*, a model genetic system. In: Encyclopedia of Genetics (Ed. E.C.R. Reeve), pp 219-239. Fitzroy Dearbon Publishers, London, UK.
2. **Nagaraju J** (1998) Silk yield attributes: Correlations and complexities. In: Silkworm Breeding (Ed. G.S. Reddy) *Oxford and IBH Publishing*, New Delhi.
3. Datta RK, **Nagaraju J** (1993) Emerging applications of Biotechnology in Sericulture. In: Commercialisation of Biotechnologies for agriculture and aquaculture (Ed. Srivastava U.K. and Chandrashekar S.), pp, 201-210. *Oxford and IBH Publishing*, New Delhi.
4. **Nagaraju J** (1999) Biotechnology: A novel concept for silkworm improvement. In: Advances in Mulberry Sericulture (Ed. M.C. Devaiah *et al*), pp. 208-242. CVG Publications, Bangalore.
5. **Nagaraju J**, Arun Kumar KP, Sriramana K, Muthulakshmi M, Satish V, Madhu M, Subbaiah EV (2004). Silkworm genomics on fast track. In: Frontier Areas of Entomological Research. *Oxford and IBH Publishing*, New Delhi. (In press).

f) List of Patents taken/applied:

- (i) Chandrashekariah, **J. Nagaraju** and others. The patents have been filed with Patent Cooperation Treaty (PCT), Geneva for three high yielding silkworm hybrids; Swarnandhra, Kalpatharuvu and Hemavathy. (Patent No PCT/1B02/01349, dated April 17, 2002)
- (ii) **J. Nagaraju**. An Indian patent has also been filed with PCT for DNA markers, which distinguish traditional Basmati, evolved Basmati and non-Basmati rice varieties. (Patent No 260/MAS/2002, dated April 8, 2002)
- (iii) **J. Nagaraju**. The US patent has been applied for multiplex Simple Sequence Repeat kit containing 10 loci which can simultaneously distinguish traditional Basmati, evolved Basmati and non-Basmati varieties and quantify the adulterants (File No.FPO2559/RB/SM dated 19.04.2006)
- (iv) **J. Nagaraju**. Transgenic silkworms resistant to baculovirus (Indian Patent No.1125/CHE/2006)

- (v) **J. Nagaraju.** The patent has been applied for fluorescent inter simple sequence repeat (FISSR) primer kit containing 36 sets of primers to make them available for plant and animal geneticists
- (vi) **J Nagaraju.** High-throughput multiplex microsatellite marker assay for detection and quantification of adulteration in Basmati rice (Indian Patent No.260/MAS/2002 and 662/CHE/2006; USA Patent No.USPTO 10/357, 488 and 11/406, 257; International Patent No.PCT/IN06/00254)

g) Professional recognition:

- 1) Section Convenor for Genetics and Evolution Session in International Congress of Entomology to be held in Capetown, South Africa in 2008
- 2) Member, Indian Delegation, Ministry of Commerce, Government of India, to Food Standards Agency (FSA), London, UK for Basmati Export Promotion
- 3) Member, Indian Delegation for the III Meeting of the ISO/TC 34WG7 on “Detection of Genetically Modified Organisms and Derived Products” held in Bangkok
- 4) Team Leader, Centre of Excellence in Silkworm Genetics and Genomics of Silkworms
- 5) Editorial Board Member, Journal of Genetics

h) Reviewer for the following Journals:

Insect Biochemistry and Molecular Biology; Molecular Phylogenetics and Evolution; Genetica; Heredity; Annals of Entomological Society of America; Bioinformatics; Plant Systematics and Evolution; Insect Molecular Biology; Journal of Genetics; Indian Journal of Experimental Biology; Current Science; Euphytica; BMC Bioinformatics; BMC Genetics; Nucleic Acids Research ; Journal of Applied Entomology; Gene; European Journal of Entomology; BMC Genomics; Genome Biology

i) Honors:

- 1) Programme Coordinator for Sixth International Workshop on Molecular Biology and Genetics of Lepidoptera to be held at Crete Islands, Greece from August 21-25, 2006.
- 2) Organizer of the International Symposium on “Insect Genetics and Genomics” held during 9-11th January, 2006 at Hyderabad, India
- 3) Nominated as Consultant of the International Atomic Energy Agency (IAEA) for the project on “Genetic Sexing of Codling Moth” during 2005 for five years.
- 4) Chaired a session on “Genetics and Evolution” at the VI International Workshop on “Molecular Biology and Genetics of the Lepidoptera” held during 24-30th August, 2003 at Crete Islands, Athens, Greece
- 5) Chaired a session on “Current status of silkworm genomics” at the I International Workshop on “Lepidopteran Genomics” during 28th September, 2002-7th October, 2002 at Tsukuba, Japan
- 6) Chaired a session on “Silk Gene Regulation” at the Japanese-French Workshop on “Silkworm Transgenesis and Functional Genomics during 5-11th November, 2000 at La Lande, France
- 7) Visiting Professorship to University of Tokyo (Japan), University of Kasetsart (Thailand), Ryukyus University (Okinawa, Japan), National Institute of Agrobiological Sciences (Tsukuba, Japan).