

Name: Dr . N. G RAJU

Designation: Assistant Professor and Chairman, Department of Biotechnology

Email: raju_119@yahoo.com, raju.ksou@ka.gov.in

Date of Birth: 13/07/1967.

Mobile: 9448267255

Education: M.Sc., M.Phil., Ph. D.

Field of Research: Cytogenetics, Nanobiotechnology

Teaching Experience: 14 years

Academic/Membership in Professional bodies:

1. Life Member- association for Advancement of Entomology
2. Life Member: The Indian Science Congress
3. Life Member- Society of Cytologists and Geneticists

Areas of Interest: Cytogenetics, Toxicology, Molecular Genetics, Biodiversity, Biotechnology

Research Interest: Nano biotechnology, Molecular Cytogenetics, Environmental Biotechnology

BIO-DATA

NAME : **Dr. N. G. RAJU**

ACADEMIC QUALIFICATION : **M.Sc. M.Phil, Ph.D.**

STATE LEVEL ELIGIBILITY TEST (SLET) FOR LECTURER/ASSISTANT PROFESSORSHIP : Qualified SLET in 1997,

DATE OF BIRTH : 13-07 -1967,

ADDRESS

Work : **Assistant Professor and Chairman**, Department of Biotechnology, Karnataka State Open University (KSOU), Mukthagangotri, Mysore-570006, E-mail: raju_119@yahoo.com

Home : # L-57, University Quarters, 6th Cross, S.J.C.E. Road, Manasagangothri, Mysuru – 570 007 INDIA, Cell : 9448267255,

BOOKS/CHAPTERS AUTHORED/EDITED

1. Raju N G, (2016) Chapter-3: **“Cytogenetics of Mealybugs”** In: Book titled “Mealybugs and their management in Agricultural and Horticultural crops. Authored by : M. Mani and C. Shivaraju (Eds), Springer Publishers (ISBN 978-81-322-2677-2) page 19 – 54.
2. Raju N G, (2016) Book **“Effect of EMS on tomato HSPs under in vivo and in vitro Conditions”** LAP Lambert Academic Publishing, Deutschland, Germany , ISBN: 978-3-659-93703-3

3. Raju N G (2013- 2016) – Edited, Coordinated and Developed Fifteen Books (Self Learning Material to Distance Education M.Sc. Biotechnology students of Karnataka State Open University)
Biomolecules, Biochemical Techniques, Immunology, Biochemical transformation and Clinical Significance, Molecular Genetics, Molecular Biology, Immunotechnology, Advanced Techniques in Biotechnology, Industrial Microbiology, Gene Technology, Food and Environmental Biotechnology, Hormones and Cell Signalling, Bioinformatics and Biostatistics, Plant Biotechnology, Animal Biotechnology
4. Raju N G, (2018) Book **“Chironomids of peninsular India – A cytogenetic perspective”** LAP Lambert Academic Publishing, Deutschland, Germany, ISBN: 978-613-9-5842-5
5. Raju N G, (2019) Book **“Karyosystematics of South Indian Non-biting Midges”** LAP Lambert Academic Publishing, Deutschland, Germany, ISBN: 978-613-9-99851-7

TEACHING EXPERIENCE

1. **Assistant Professor, Department of Biotechnology, Karnataka State Open University (KSOU)** from 6th December 2012 to till date (06 Year & 10 Months)
2. **Lecturer and Head, Department of Genetics, St. George College of Management and Science, Banaswadi, Bangalore** Affiliated to Bangalore University from 9th September 2004 to 5th December 2012 (08 Year & 3 Months)
3. **Guest Lecturer, Centre for Applied Genetics, Bangalore University** from 1994 to 2003 (**09 Years**)

ADMINISTRATIVE EXPERIENCE

1. **Chairman, Department of Biotechnology, Karnataka State Open University, Mysore** from 23rd March 2013 till date

2. **Special Officer, UGC Cell**, Karnataka State Open University, Mysore from 5th April 2016 till date
3. **Special Officer to Vice Chancellor**, Karnataka State Open University, Mysore from 30th April 2016 to 10th May 2019
4. **Vice-Principal**, St. George College of Management and Science, Banaswadi, Bangalore Affiliated to Bangalore University from 4th May 2005 to 9th October 2007 (03 Year & 6 Months)
5. Principal, **St. George College of Management and Science**, Banaswadi, Bangalore Affiliated to Bangalore University from 10th October 2007 to 3rd May 2012 (03 Year & 7 Months)

AREAS OF SPECIALIZATION

1. Genetics/Cytogenetics, Molecular Biology, Toxicology, Biotechnology, Biodiversity

RESEARCH PUBLICATIONS –

1. **Narayanappa G Raju** and Govindaiah Venkatachalaiah (2004) “Chromosomal Characteristics of Indian Taniponid midge, *Anatopynia* sps. (Tanipodinae, Chironomidae)” *Cytologia*, 69 (1): 35-40. (ISSN: 0011-4545), - JAPAN.
2. Sabrina J, G. Venu and **N.G.Raju** (2011) Pachytene chromosome mapping of *Samia cynthia ricini* - A saturniid moth *Trends in Life Sciences* 26(2): 93-100. (ISSN: 0970-2504)
3. Venu G, N. Sudha and **N.G.Raju** (2012) Studies on mitotic, meiotic and C-banded chromosomes of *Laccotrephes griseus* – A South Indian nepid, *Trends in Life Sciences* 27(1): 57-66. (ISSN: 0970-2504)
4. Venu G, **N.G.Raju** and Govindaiah Venkatachalaiah (2013) Cytotaxonomy of Four Species of South Indian Earthworms (Annelida: Oligochaeta:Megascolecidae) *Trends in Life Sciences (India)* 28(1 &2): 57-66. (ISSN: 0970-2504)
5. Vidyamadhavi K, Chandrashekhara G Joshi, Manjunath Hullikere M, Nivya M, Anand D and **Raju N G** (2014) “ Evaluation of in vitro Antioxidant, Anti-inflammatory Properties of Aerial parts of *Zanthoxylum rhesta*” *Research*

Journal of Pharmaceutical, Biological and Chemical Sciences. September – October 2014: 997-1003 (ISSN:0975-8585).

6. Manjunath Hullikere M, Chandrashekara G Joshi and Raju N G (2014) “Biogenic synthesis of silver nano particles using endophytic fungi *Penicillium nodositatum* and its antibacterial activity” *Journal of Chemical and pharmaceutical Research*, 6(8): 112-117, 2014 (ISSN:0975-7384).
7. Manjunath Hullikere M, Chandrashekara G Joshi, T. Nivya, D. Anand and **Raju N G** (2016) Antagonistic and Antioxidant Activity of Endophytic Fungus Isolated from Seaweed (*Sargassum wightii*), *Asian Journal of Biochemistry*, ISSN 1815-9923, DOI:10.3923/ajb.2016.168.176
8. Hullikere M Manjunath, Chandrashekara G Joshi, and **Raju N G** (2016) Biofabrication of gold nanoparticles using marine Endophytic Fungus *penicillium citrinum*, *IET Nanobiotechnology*, *IET Journals*, ISSN 1751- 8741.
9. Chandrashekaraiyah, K.S., A Shashank, Rsjiv Bharadwaj, **N G Raju** and N. Ramachandra Swamy (2017) Characterization of Protease Inhibitors from the seeds of *Adenanthera pavonina*, *International Journal of Biotechnology and Biochemistry*, 13, 4, (2017) 00. 361-370.
10. *Research Journal of Pharmacognosy and Phytochemistry* : 10(1): 1390142 January- March 2018, “Protease inhibitors from the seeds of *Senna sophora*: Isolation and properties” ISSN No. 0975 4385
11. *Asian j. Research Chem.* 11(2): 251`-254 Maech- April 2018 “Characterization of Protease inhibitors from the seeds of *Senna alata*” ISSN No. 0974-4169(p) 0974-4150(o)
12. *Journal of food Biochemistry- WILEY*, (2018) “Purification and characterization of alpha-amylase inhibitor from the seeds of underutilized legume, *Mucuna pruriens*” *J Food Biochem.* 2018;e12686, ISSN No. 1745-4514, UGC, J . No. 7608 , IF 1.5,
13. *Biomedicine* 2018: (Indian Association of Biomedical Scientists (IABMS), *Biomedicine*: 2018; 38(3): 378-383. “ Protenacious Amylase inhibitors from Plants: A potential Anti-Diabetic drug in *Mucuna pruriens*” ISSN 0970-2067, UGC No. 14803

**SEMINARS/CONFERENCES/WORKSHOPS/REFRESHER
COURSES/LECTURE SERIES ATTENDED/PAPERS PRESENTED**

1. Workshop on Choice Based Credit System. 19th July 2019, Karnataka State Open University, Mysore.
2. 104th Indian Science Congress. 3rd to 7th 2017, S.V.University, Titupathi
3. UGC sponsored Refresher course in Life Sciences, January 22 to February 11, 2016, Academic staff college, University of Mysore, India
4. 103rd Indian Science Congress, January 3 – 7, 2016. University of Mysore, Mysore,India
5. UGC sponsored 105th Orientation Programme, August 16 to September 12 2014, Academic staff college, University of Mysore, Mysore, India
6. National Seminar on “Impact of climate on Food, Water and Environmental Security” 31st July to 1st August 2014, Department of Zoology, Nellor, AP. India.
7. One Day National Seminar on “ Chemistry and Chemical Biology” May 26 2015, University of Mysore, Mysore, India
8. National Conference on “Science and Technology for Indigenous development in India” Indian Science Congress Association, October 5 – 7, 2015, M.S. Ramaiah College, Bangalore, India.
9. One Day Workshop on Accelerating Gross Enrolment Ratio in Education- Issues and Challenges- Department of Higher Education, Government of Karnataka and Karnataka state Open University, May 14, 2015- Karnataka State Open University, Mysore, India
10. UGC sponsored National Seminar on “ The perpetual Threat of Emerging and reemerging infectious diseases” March 18,2015. PG Center SBRR Mahajana First Grade College, Mysore, India
11. Tow days Workshop on “ Overview & Applications of Scientific Equipment- IOE” October 13-14, 2014, Institution of Excellence, University of Mysore, India
12. Three days workshop on “ Handling of Scientific Equipment-IOE” August 18- 20, 2014. Institution of Excellence, University of Mysore, India
13. One Day workshop on “Intellectual property Training and Awareness” April 10, 2014. Institution of Excellence , University of Mysore, Mysore, India
14. Two day Workshop on “ Self Learning Material Development” October7 - 8, 2009, Karnataka State Open University, Mysuru, India

15. U G C Sponsored Seven day “National Workshop on Advanced Molecular Techniques in Biosciences- JUNE, 24 – 30, 2013- PES College. Bangalore, India
16. Two day National Workshop on “Ayurveda – Chintana Mantana” Government of Karnataka, 21st and 22nd January 2013 -Maharani Science College for Women, Mysore
17. U G C Sponsored One day state level seminar on “Future prospects of Agricultural Biotechnology” 30th January 2013 SBRR Mahajana First Grade College, Mysore, India
18. Two Days workshop on “Practical Oriented Genetics workshop” March 9-10, 2007. SBM Jain College, Bangalore, India.
19. Refresher course “ Phylogenetic Biology” Sponsored by Indian Academy of Sciences, 10th – 22nd July 2006, Department of Studies in Zoology, University of Mysore, Mysore, India
20. DNA Special Symposium, Society for Applied Genetics, Bangalore-2004
21. 3rd Global Meet on parasitic Diseases, January 12 – 16, 2004, Bangalore-2004
22. 90th Indian Science Congress- January 3 -7, 2003,Bangalore, India
23. National conference of Zoology- Vision for 21st century-13th All India Congress of Zoology, December 28 – 31, 2002, Department of Zoology, Bangalore, India.
24. Six days workshop on “Yogic Sciences and a Guide to Personal life” September 18 – 24, 1999, Central college Bangalore University, Bangalore, India

MEMBERSHIP OF PROFESSIONAL BODIES/ASSOCIATIONS

- 1.Life Member - Association for Advancement of Entomology, India.
- 2.Life Member - The Indian Science Congress, India
3. Life Member - Society of Cytologists and Geneticists, India.
4. Life Member - Indian Society of Life Sciences, India

DECLARATION

I, Dr. N. G. RAJU do hereby declare that the information given above is true to the best of my knowledge, belief and information.

Place: Mysuru

Date: 18.11.2019

(Dr. N. G. RAJU).