CURRICULUM VITAE OF DR. N. NAGARAJA

1.	Name	Dr. N. NAGARAJA
2.	Designation	Assistant Professor
3.	Sex	Male
4.	University	Bangalore University
5.	Department/ College	Malaviya Mission Teacher Training Centre Jnana Bharathi Campus Bengaluru-560 056, India

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6. ACADEMIC RECORD

Degree	**Year of Passing**	**University**	**Subjects**	**Class**
Ph.D.	2000	Bangalore	Zoology/ Apiculture	Awarded
M.Sc.	1994	Bangalore	Zoology	First

7. EMPLOYMENT RECORD

Designation	**Name of the Employer**	**Place of Work**	**Period**
Lecturer/ Assistant Professor	Registrar, Bangalore University	UGC- Malaviya Mission Teacher Training Centre Bangalore University Bengaluru-560 056.	2004 to till date
Research Associate	Director General, CSIR, New Delhi	Department of Apiculture, University of Agricultural Sciences, Bengaluru	2000-2004
Lecturer	Principal	The National College, Basavanagudi, Bengaluru	1998-2000

8. ACADEMIC EXPERIENCE

1.	Teaching	20 years
2.	Research	25 years
3.	Area of Research	Beekeeping/Apiculture

9. POST DOCTORAL RESEARCH

Conducted research on the topic "Attraction of drone bees of *Apis mellifera carnica* to synthetic pheromones under field conditions" at the University of Bremen, Bremen, Germany during June and July 2006.

10. RESEARCH PROJECTS

1. Management of Thai sac brood disease in Indian honeybee, *Apis cerana indica* through breeding as Co-Principal Investigator at the Department of Zoology, Bangalore University, Bengaluru with an outlay of Rs. 7.5 Lakhs sanctioned by University Grants Commission, New Delhi (2007-2010).

2. Conservation of giant honeybee, *Apis dorsata* F. for honey production in plains of Karnataka as Principal Investigator at UGC Academic Staff College, Bangalore University, Bengaluru with an outlay of Rs. 11.35 Lakhs sanctioned by University Grants Commission, New Delhi (2013-2016).

3. Development of scientific methods of honey harvesting from giant honeybee, *Apis dorsata* colonies as Principal Investigator at UGC-Human Resource Development Centre, Bangalore University, Bengaluru with an outlay of 2.00 Lakhs sanctioned by the Bangalore University, Bengaluru (2021-2023).

11. MEMBERSHIP IN PROFESSIONAL BODIES

1. Life Member, Indian Honeybee Research Association, Bengaluru
2. Life Member, Bangalore Beekeepers' Association, Bengaluru
3. Life Member, All India Beekeepers' Association, Pune
4. Life Member, Indian Science Congress Association, Kolkota
5. Member, Centre for Rural Development and Applied Research, Bengaluru.

12. REFEREE/REVIEWER

1. Journal of Apicultural Research, UK
2. Indian Bee Journal, Bengaluru
3. Pesquisa Journal, Idukki, Kerala
4. International Journal of Agricultural Sciences, Pune

13. AWARDS/RECOGNITIONS

1. Kannada Agriculture Book Award-2014, University of Agricultural Sciences, Bengaluru

2. Letter of Appreciation for contribution made for growth and development of science in general and societal application in particular, Bangalore University, Bengaluru, 2011

3. Editor, Bharathiya Jenu Vignana Pathrike (In Kannada), Karnataka Chapter since 2004.

4. Young Scientist Award-2003, International conference on Bees and Beekeeping, Bengaluru.

14. PUBLICATIONS

a) BOOKS

1. Rajagopal, D. and Nagaraja, N. 2020. Natural Enemies of Honeybees and their Management (In Kannada), Department of Kannada Studies, University of Agricultural Sciences, Bengaluru, India. p.99.

2. Rajagopal, D. and Nagaraja, N. 2016. Honeybee Products and their Uses (In Kannada), Department of Kannada Studies, University of Agricultural Sciences, Bengaluru, India. p.91.

3. Rajagopal, D. and Nagaraja, N. 2013. Honeybees and Crop Production (In Kannada), Department of Kannada Studies, University of Agricultural Sciences, Bengaluru, India, p.91. (Winner of letter of appreciation by UAS, Bengaluru -2014).

4. Nagaraja, N. and Rajagopal, D. 2009. *Diseases, Parasites, Pests, Predators and their Management*, MJP Publishers, Chennai, India, p.210.

5. Rajagopal, D. and Nagaraja, N. 2004. *Apiculture* (In Kannada), Department of Kannada Studies, University of Agricultural Sciences, Bangalore, India, p 178 (Reprints- 2006, 2010, 2012, revised 2016).

b) CHAPTERS IN BOOKS

1. Nagaraja, N. 2023. Biology of Asian giant honeybee, *Apis dorsata* Fabricius (Hymenoptera: Apidae). In: The role of giant honeybees in natural and agricultural systems (Eds: Abrol, D.P.) CRC Press, Taylor and Francis Group, USA, pp 15-26. DOI: 10.1201/9781003294078-02.

2. Nagaraja, N. 2023. Reproductive biology of Asian giant honeybee, *Apis dorsata* Fabricius (Hymenoptera: Apidae). In: The role of giant honeybees in natural and agricultural systems (Eds: Abrol, D.P.) CRC Press, Taylor and Francis Group, USA, pp 27-36. DOI: 10.1201/9781003294078-03.

3. Rathna Kumari, B.M., Nagaraja, N. and Abrol, D.P. 2023. Giant Honeybees exploit multiple floral resources in natural and agricultural landscapes. In: The role of giant honeybees in natural and agricultural systems (Eds: Abrol, D.P.) CRC Press, Taylor and Francis Group, USA, pp 170-181. DOI: 10.1201/9781003294078-12.

4. Nagaraja, N. 2020. Biology of dwarf honeybee, *Apis florea* Fabricius (Hymenoptera: Apidae). In: The Future role of dwarf honeybee in Natural and Agricultural systems, (Eds: Abrol, D.P.) CRC Press, Taylor and Francis Group, USA, pp13-23.

5. Nagaraja, N. and Abrol, D.P. 2020. Reproductive Biology of *Apis florea*. In : The Future role of dwarf honeybee in Natural and Agricultural systems, (Eds: Abrol, D.P.) CRC Press, Taylor and Francis Group, USA, pp 25-35.

6. Nagaraja, N. 2012. Asian honeybees: Biology, threats and their conservation. In: *Biology, threats and colonies* (Eds. Richard M. Florio, Nova Publishers Inc., USA, pp 99-123.

7. Rajagopal, D. and Nagaraja, N. 2003. Potentiality of honeybees in increasing crop production. *Potentials of Living Resources* (Eds: Thripathi, G. and Kumar, A.), Discovery Publishing House, New Delhi, pp 105-158.

8. Contributed Three Lessons on 'Bees and Beekeeping' for Vocation Training Course on Beekeeping' published by National Institute of Open Schooling (NIOS), Noida, UP during 2013-14.

c) **RESEARCH PAPERS**

1. Ramyarani, S.K. and Nagaraja, N. 2024. Nesting behavior of the red dwarf honeybee, *Apis florea* Fabricius (Hymenoptera: Apidae), Apidologie, https:/doi.org/10.1007/s 13592-024-01067-7.

2. Ramyarani, S.K. and Nagaraja, N. 2024. Potential nesting plants of the dwarf honeybee, *Apis florea* in the Plains of South Karnataka, India, Geo-Eye. 13(1): 23-26.

3. Rathna Kumari, B.M. and Nagaraja, N. 2024. Enhancing phytoremediation of CCA contaminated soils using NPK fertilizers in *Acacia auriculiformis* and *Casuarina equisetifolia* seedlings, Journal of Plant Science and Research, 11(2): 1-6.

4. Rathna Kumari, B.M. and Nagaraja, N. 2024. Studies on the effect of chromated copper arsenate (CCA) and chelating agents on biochemical parameters of *Acacia auriculiformis* and *Casuarina equisetifolia* tree species, Journal of Soil Science and plant Nutrition, 24(1): 1362-1368.

5. Rathna Kumari, B.M. and Nagaraja, N. 2023. Studies on phytoremediation of chromated copper arsenate (CCA) using Acacia plant species. International Journal of Phytoremediation, 25(12): 1669-1675.

6. Rathna Kumari, B.M. and Nagaraja, N. 2023. Effect of chromated copper arsenate on protein, carbohydrate, and chlorophyll content of tropical Eucalyptus and Acacia species, Asian Journal of Tropical Biotechnology, 20(2): 56-61.

7. Shameer, P.M., Shetty, N.J., Nagaraja, N., Jha, S.K., Chaubey, R.C. 2022. Evaluation of gamma radiation-induced genotoxicity in the workers of Italian honeybee, *Apis mellifera ligustica*, using single cell gel electrophoresis (comet) assay. Journal of Apicultural Research, https:/doi.org/10.1080/00218839.2022.2078064

8. Nagaraja, N. 2022. Conservation of Asian giant honeybee, *Apis dorsata* Fabricius (Hymenoptera: Apidae), International Journal of Zoology and Applied Biosciences, 7 (3): 29-33.

9. Nagaraja, N. 2019. Nesting patterns of giant honeybee, *Apis dorsata* in plains of Karnataka, India. Journal of Entomological Research, 41: (3): 307-310.

10. Nagaraja, N. 2017. Population fluctuation of giant honeybee, *Apis dorsata* in plains of Karnataka. *Journal of Entomological Research,* **41** *(*Accepted for publication).

11. Nagaraja, N. 2016. Effect of insecticide poisoning on mortality of giant honeybee, *Apis dorsata* colonies. *Pesquisa* **2**(1): 96-100.

12. Nagaraja, N. and Yathisha, V. 2015. Nest orientation of Asian giant honeybee, *Apis dorsata* in plains of Karnataka, India. *Journal of Entomological Research* **39**(3): 197-201.

13. Nagaraja, N. 2014. Olfactory learning and memory in drones of *Apis cerana* Fab. and *Apis florea* Fab. towards queen mandibular pheromone odorants. *Journal of Entomological Research* **38**(3): 165-168.

14. Streinzer, M., Brockmann, A., Nagaraja, N. and Spaethe, J. 2013. Sex and caste specific variation in compound eye morphology of five honeybee species. *PLoS ONE* **8**(2): e57702. doi: 10.1371/journal.pone.0057702.

15. Nagaraja, N. and Dorothea Bruckner 2013. Olfactory learning and memory recall in drones of hive honeybee species. *Journal of Entomological Research,* **37**(1): 29-32.

16. Sawaya, C.H.F., Abdelnur, P.V., Eberlin, M.N., Cuhna, I.B.S., Kumazawa, S., Ahn, M.R. Bang, K.S., Nagaraja, N., Bankova, V.S. and Afrouzan, H. 2010. Easy ambient sonic-spray ionization-Mass spectroscopy finger printing of Propolis. *TALANTA* **81**: 100-108.

17. Nagaraja, N. and Brockmann, A. 2009. Drones of red dwarf honeybee, *Apis florea* are attracted by two components from the mandibular gland, 10-HDA and 9-ODA. *Journal of Chemical Ecology* **35**: 653-655.

18. Nagaraja, N.and Brockmann, A. 2009. Drone congregation areas of red dwarf honeybee, *Apis florea*. *Nature Precedings*, http:/hdl.handle.net/npre.2009.3955.1

19. Nagaraja, N. 2009. Does open-nesting honeybee species exhibit differential pollen collection? *Advances in Pollen Spore Research* **27**: 35-42.

20. Nagaraja, N. and Reddy, M.S. 2009. Effects of pollen stores on pollen foraging behavior of Indian hive bee, *Apis cerana* F. *Journal of Palynology* **45**: 53-57.

21. Chowde Gowda, Y.N. Reddy, C.C. and Nagaraja, N. 2009. Studies on pollen gathering activity in relation to honey storage in the colonies of *Apis cerana* F. *Advances in Pollen Spore Research* **27**:115-121

22. Chowde Gowda, Y.N., Reddy, C.C. and Nagaraja, N. 2008. Pollen foraging behaviour of Indian honeybee, *Apis cerana* in diversified floral conditions. *Advances in Pollen Spore Research* **26**: 65-72.

23. Woyke, J., Wilde, J., Wilde, M.,Sivaram, V., Cervancia, C., Nagaraja, N. and Reddy, M.S. 2008. Comparison of defense body movements of *Apis laboriosa*, *Apis dorsata dorsata* and *Apis dorsata breviligula* honeybees. *Journal of Insect Behavior*, **21**: 481-494.

24. Woyke, J., Wilde, J., Wilde, M., Reddy, M.S., Nagaraja, N. and Sivaram, V. 2007. Presence or absence of drones in 'drone' dusk mass flights performed by *Apis dorsata breviligula* worker bees. *Journal of Apicultural Research*, **46**(1): 40-49.

25. Woyke, J., Wilde, J., Reddy, C.C. and Nagaraja, N. 2005. Periodic mass flights of giant honeybee, *Apis dorsata* performed in successive days at two environmental conditions. *Journal of Apicultural Research*, **44**(4): 180-189.

26. Chowde Gowda, Y.N., Reddy, C.C. and Nagaraja, N. 2005. Forging and hive profiles of *Apis cerana* F. (Hymenoptera: Apidae), *Journal of Entomological Research* **29**(3): 219-222.

27. Nagaraja, N., Sivaram, V. and Anita, M. 2004. Bee flora and floral calendar of European honeybee, *Apis mellifera* L. (Hymenoptera: Apidae) in Karnataka. *Asian Bee Journal* **6**(1-2): 66-71.

28. Reddy, M.S., Jayaram, G.N. and Nagaraja, N. 2004. Behavioural resistance of the Indian hive bee, *Apis cerana indica* against Thai sac brood disease to rejuvenate sustainable beekeeping in Karnataka, India. *Proceedings of 7th Asian Apicultural Association International Conference and 10th Bee Net Symposium and Technofora,* Philippines, pp 209-212.

29. Nagaraja, N., Rajagopal, D. and Gavi Gowda, 2003. Resistance mechanism of honeybee (*Apis mellifera*) against brood mite, *Tropilaelaps clareae*. *Proceedings of XXXVIII th International Apicultural Congress*, Ljubljana, Slovenia (6 pages in CD).

30. Nagaraja, N. and Rajagopal, D. 2003. Effect of neem oil and sugar dusting in management of brood mite, *Tropilaelaps clareae* Delf. & Baker in *Apis mellifera* L. colonies. *Indian Bee Journal* **65**(1-2): 18-23.

31. Nagaraja, N. and Rajagopal, D. 2003. Pests, predators and parasites of European honeybee, *Apis mellifera ligustica* Spin. in Karnataka. *Indian Bee Journal* **65**(3-4): 120-127.

32. Nagaraja, N. 2002. Colony index of European honeybee, *Apis mellifera* L. (Hymenoptera: Apidae). *Asian Bee Journal* **5**(1-2): 43-47.

33. Nagaraja, N. 2002. Observations on foraging index of European honeybee, *Apis mellifera* L. (Hymenoptera: Apidae). *Journal of Entomological Research* **26**(3): 185-192.

34. Nagaraja, N. and Reddy, C.C. 2002. Influence of bee pollinators on the quality of seed production in sunflower (*Helianthus anuus*) and coconut (*Cocos nucifera*). *Asian Bee Journal* **4**(1-2): 1-5.

35. Nagaraja, N. and Rajagopal, D. 2001. Biology of brood mite, *Tropilaelaps clareae* in the brood of *Apis mellifera* L. (Hymenoptera: Apidae). *Asian Bee Journal,* **3**(1-2): 20-26.

36. Nagaraja, N. 2000. Studies on annual foraging cycle of *Apis mellifera* L. *Indian Bee Journa*l **62**(1-2): 11-17.

37. Nagaraja, N. 2002. Impact of ecto-parasitic brood mites, *Tropilaelaps clareae* and *Varroa jacobsoni* on *Apis mellifera* beekeeping in Karnataka. *Journal of Ecotoxicology and Environmental Monitoring*, **10**(3): 205-210.

38. Nagaraja, N. and Rajagopal, D. 2000. Forging and brood rearing activity of rock bee, *Apis dorsata* F. (Hymenoptera: Apidae), *Journal of Entomological Research* **24**(3): 243-248.

39. Rajagopal, D., Veeresh, G.K., Chikkadevaiah, Nagaraja, N. and Kencharaddi, R.N. 1999. Potentiality of honeybees in hybrid seed production of sunflower (*Helianthus annuus* L.). *Indian Journal of Agricultural Science*, **69**(1); 40-43.

40. Nagaraja, N. and Reddy, C.C. 1999. Invasion and infestation of brood parasitic mites, *Varroa jacobsoni* and *Tropilaelaps clareae* in hive honeybee species. *Indian Bee Journal* **61**(1-4): 37-41.

41. Nagaraja, N. and Rajagopal, D. 1999. Colony establishment, nesting and foraging activity of little honeybee, *Apis fl*orea F. (Hymenoptera: Apidae), *Journal of Entomological Research* **23**(4): 331-338.

42. Rajagopal, D. and Nagaraja, N. 1999. Beekeeping status in Karnataka. *Asian Bee Journal* **1**(1): 50-59.

43. Nagaraja, N. 1998. Rate of invasion and infestation of *Tropilaelaps clareae* in suphur treated and untreated colonies of *Apis mellifera*. Himalayan *Journal of Environmental Zoology,* **12**: 131-136.

44. Nagaraja, N.and Reddy, C.C. 1996. Hive and foraging index of honeybee species. *Proceedings of the National Symposium on Animal Behaviour*, Karnatak University, Dharwad, India, pp 7-16.

45. Nagaraja, N.and Reddy, C.C. 1996. Occurrence and distribution of phoretic mite, *Neocypholaelaps clareae indica* in the colonies of hive honeybee species. *Proceedings of the National Symposium on Animal Behaviour*, Karnatak University, Dharwad, India, pp 22-28.

d) GENERAL ARTICLES

1. Nagaraja, N. 2019. Plants for sustainable Beekeeping, Proc. of State Level Seminar on Bees and Beekeeping, Dept. of Horticulture, Govt. of Karnataka, 27th December 2019.

2. 2. Nagaraja, N. 2019. Jenunonagala Samrakshane, Proc. One Day State Level Beekeeping Technical Seminar and Honey Festival, University of Agricultural Sciences, Bengaluru, 1st February 2019.

3. Nagaraja, N. 2016. Potentiality of honeybees in Crop Production, *Jnanavahini* **7** (3): 6

4. Nagaraja, N. Honeybees: Bio-indicators of Environmental Pollution, *Deccan Herald*, 22nd April 2008.

15. WORKSHOPS/COURSES ATTENDED

1. Short-term Course on Research Methodology, 19th to 24th March 2018, UGC-Human Resource Development Centre, Bangalore University, Bengaluru.

2. Workshop for undergraduate college lecturers in Creative Science Pedagogy, 1-3, March 2018, Agasthya International Foundation, Kuppam, Andra Pradesh in Association with Karnataka State Higher Education Council, Govt. of Karnataka.

3. UGC-Winter School Programme, 18th January to 8th February 2016, UGC-Human Resource Development Centre, Bangalore University, Bengaluru.

4. UGC-Orientation Programme, 14th July to 11th August 2014, UGC Academic Staff College, Bangalore University, Bengaluru.

5. UGC-Refresher Course in Life Sciences (ID), 21st March to 11th April, 2014, UGC Academic Staff College, Bangalore University, Bengaluru.

6. DST-SERB School on Chemical Ecology, 17-28, February 2014, National Centre for Biological Sciences (TIFR), Bengaluru.

7. DST-National Workshop on Methods in Animal Behaviour, 17-29, December 2001, Indian Institute of Science, Bengaluru.

16. CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED

1. 108th Indian Science Congress will be held from January 3-7, 2023 at R.T.M. Nagpur University, Nagpur, Maharashtra.

2. 107th Indian Science Congress, 3-7th January 2020, University of Agricultural Sciences, Bengaluru.

3. International Conference on Bees, Environment and Sustainability, 22-25, October 2018, Asian Apicultural Association, Jakarta, Indonesia.

4. One Day State Level Beekeeping Technical Seminar and Honey Festival, 1st February 2019, University of Agricultural Sciences, Bengaluru.

5. National Level Asian Honeybee Meeting, 9-10, February 2017. National Centre for Biological Sciences, Bengaluru.

6. 104th Indian Science Congress, 3-7, January 2017, S.V. University, Tirupathi, Andhra Pradesh.

7. Workshop on Beekeeping Training and Technology Transfer, 8-13, February 2016, Department of Zoology, Bangalore University, Bengaluru.

8. 44th APIMONDIA International Apicultural Congress, 15-19, September 2015, Daejeon, South Korea.

9. 102nd Indian Science Congress, 3-7, January 2015, University of Mumbai, Mumbai.

10. International Workshop on Technology Transfer in Beekeeping, Melliponiculture and honey Festival, 24th February to 2nd March 2014, Bangalore University, Bengaluru.

11. One day Evolution Symposium: Celebration Wallace, 7th November 2013, National Centre for Biological Sciences (TIFR), Bengaluru.

12. International Conference on Insect Science, 14-17, February 2013, University of Agricultural Sciences, Bengaluru.

13. International Workshop on Beekeeping, 17-19, November, 2012, Madikeri, Karnataka.

14. 5th Karnataka Science Congress, 15-17, September, 2009, Mangalore University, Mangalore.

15. Seminar on Beekeeping Awareness and Technology Transfer, 27-29, March 2008, Bangalore University, Bengaluru.

16. National Seminar on Beekeeping Awareness, Transfer of Technology and honey festival, 18-20, January 2008, University of Agricultural Sciences, Bengaluru.

17. International Conference on Zoology, 19-23, November 2006, Bangalore University, Bengaluru.

18. International Beekeeping Congress, 13-18, November 2005, Century Foundation, Bengaluru.

19. International Workshop on Sustainable Beekeeping and World APIEXPO-2003, 13-18, October 2003, Bangalore University, Bengaluru.

20. XXXVIII Apimondia International Beekeeping Congress, 24-29, August 2003, Ljubljana, Slovenia.

21. 6th International Conference of Asian Apicultural Association, 24th February to 1st March 2002, Century Foundation, Bengaluru.

22. 13th National Conference on Parasitology, 22-25, February 1999, Bangalore University, Bengaluru.

23. 3rd Internation/15th National Conference on recent trends in Life Sciences, 11-13, February 1999, Bangalore University, Bengaluru.

24. FAO Workshop on Sustainable Beekeeping Development and All India Honey Festival, 1-5, August 1998, Dharwad.

25. National Workshop on Bio-diversity, Biotechnology and Environmental Monitoring, 6-9, February 1998, Gurukul Kangri University, Haridwar, Urraranchal.

26. National Smposium on recen trends in Life Sciences, 23-25, October 1997, Punjab University, Patiala, Punjab.

27. National Conference on Apiculture and First Karnataka Honey Festival, 6-8, January 1997, Bangalore University, Bengaluru.

28. National Conference on Bees and their Environment, Century Foundation, 19-21, December1996, Bengaluru.

29. National Symposium on Animal Behaviour, 4-6, January 1996, Karnatak University, Dharwad.

30. National Symposium on Acarology, 19-21, September 1995, University of Agricultural Sciences, Bengaluru.

31. National Seminar-cum-Workshop on Honeybee diseases, their diagnosis and management, 6-9, December 1994, University of Agricultural Sciences, Bengaluru.

17. SPECIAL LECTURES DELIVERED

1. Need of Environmental Education, National level Conference on Environmental Education: No longer an option but a matter of necessity, Government Arts College for Men, Krishnagiri, TN on 2nd July 2024.

2. Honeybee diseases and their Management, Global Scientific Apiculture Centre, Bengaluru on 14th December 2017.

3. Bee Health Management, Global Scientific Apiculture Centre, Bengaluru on 17th February 2017.

4. Hygienic Behaviour of Honeybees, Reddy Janasanga First Grade College, Bengaluru on 18th February 2017.

5. Honeybee diseases and their Management, B.M.S. College for Women, Bengaluru during September 2016.

6. Honeybee Products and their Uses, the Workshop on Beekeeping Training and Technology Transfer, 8-13, February 2016, Department of Zoology, Bangalore University, Bengaluru.

7. Life of Honeybees, B.M.S. College for Women, Bengaluru during September 2015.

8. Honeybees and the Environment, UGC-Academic Staff College, Bharathidasan University, Tiruchirapalli on 19th March 2015.

9. Biodiversity of Honeybees" on Science day celebrations, Government College for Boys, Kolar on 26th March 2010.

10. Natural Enemies of Honeybees and their management, Seminar on Beekeeping Awareness and Technology Transfer, 27-29, March 2008, Bangalore University, Bengaluru.

11. Mite pests of honeybees and their management, National Seminar on Beekeeping Awareness, Transfer of Technology and Honey Festival, University of Agricultural Sciences, Bengaluru, 18-20, January 2008.

12. The Fascinating World of Honeybees, Bangalore Science Forum, Bengaluru on 5th September 2007.

13. A series of Radio talks on management of bee diseases and beekeeping practices in Karnataka organized by All India Radio, Bengaluru.

14. A series of lectures on Honeybees and Beekeeping to the teacher participants of Orientation Programme/Refresher Courses at UGC Academic Staff College, Bangalore University, Bengaluru since 2004.

Sd-
(N.NAGARAJA)