BRIEF BIODATA

<table>
<tr><td rowspan="3">  </td><td colspan="2">Name: Dr. H P BHAGYA</td><td colspan="2">Year of birth: 1988</td></tr>
<tr><td colspan="4">Qualification: Ph.D (Horticulture)</td></tr>
<tr><td colspan="2">Present position:
Scientist (Spices, Plantation, Medicinal and Aromatic plants)</td><td colspan="2">Contact address:
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<tr><td rowspan="3">Brief work experience</td><td>17.08.2022 to continuing</td><td>Scientist</td><td colspan="2">ICAR-Directorate of Cashew Research, Puttur, Karnataka</td></tr>
<tr><td>09.04.2015 to 12.8.2022</td><td>Scientist</td><td colspan="2">ICAR-Indian Institute of Oil palm Research, Pedavegi, Andhra Pradesh</td></tr>
<tr><td>01.01.2015 to 31.03.2015</td><td>Scientist</td><td colspan="2">ICAR-National Academy of Agricultural Research and Management, Rajendranagar, Hyderabad</td></tr>
<tr><td>Current areas of interest / research</td><td colspan="4">Cashew crop management and improvement</td></tr>
<tr><td rowspan="9">Publications</td><td>a.</td><td>Research papers</td><td colspan="2">30</td></tr>
<tr><td>b.</td><td>Seminar papers/abstracts</td><td colspan="2">10</td></tr>
<tr><td>c.</td><td>Books</td><td colspan="2">1</td></tr>
<tr><td>d.</td><td>Proceedings (webinar, seed meet…etc)</td><td colspan="2">3</td></tr>
<tr><td>e.</td><td>Book chapters</td><td colspan="2">3</td></tr>
<tr><td>f.</td><td>Popular articles</td><td colspan="2">15</td></tr>
<tr><td>g.</td><td>Technical bulletins</td><td colspan="2">1</td></tr>
<tr><td>h.</td><td>Training manuals</td><td colspan="2">1</td></tr>
<tr><td>i.</td><td>Extension folders</td><td colspan="2">13</td></tr>
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Representative research papers	Kalyana Babu B., Mary Rani K. L., Sarika Sahu, R. K. Mathur, Naveen Kumar P., RavichandranG., Anitha P. & **Bhagya H. P**. 2019. Development and validation of whole genome-wide and genic microsatellite markers in oil palm (Elaeis guineensis Jacq.): First microsatellite database (OpSatdb).Scientific reports. **9**:1989. **H.P. Bhagya,** P. M. Gangadharappa, B. Kalyanababu, B.N. Mahantesh Naika, D. Satish and R. B. Naik. 2019. Multivariate analysis of oil palm germplasm for vegetative and bunch yield traits**.** *Journal of Plantation crops.* **47**(2): 115-120. **H.P. Bhagya,** B. Kalyana Babu, Mahanthesha B.N. Naika, R.K. Mathur, P.M. Gangadharappa, D. Satisha and R.B. Naik, 2018, Identification and Utilization of Polymorphic SSR Markers for Genetic Diversity Studies in Oil Palm. *Int.J.Curr.Microbiol.App.Sci.* 7(4):333-341**.** **Bhagya, H.P.** and Suresh, K., 2018, Carbon Sequestration Potential in Oil palm-cocoa cropping syatem grown in Andhra Pradesh under Irrigated conditions. *Int. J.Curr. Microbiol. App. Sci.* 7 (05): 358-362. doi:http://doi.org/10.20546/ijcmas.2018.705.046 Murugesan, P., Ramajayam, D., Kumar, P. Naveen, Pedapati Anitha, Ravichandran, G, **Bhagya, H.P.** and Pandey Vikramadithya, 2020, Evaluation of wild oil palm germplasm for horticultural traits. *Indian Journal of Horticulture*. 77(3):406-411. Pedapati, A., Mathur, R.K., Ravichandran, G., Kalyanababu, B. and **Bhagya, H.P**. 2020. Morphological characterization and identification of oil Palm *Dura* mother palms for yield and dwarf traits. *International Journal of Agriculture Sciences.* **12** (4): 9545-9548. Anitha, P., Mathur, R.K., Ravichandran, G., Kalyanababu, B and **Bhagya, H.P.** 2020, Identification of first sterile *dura* in oil palm. *International Journal of Agriculture Sciences*. **12** (4):9598-9600. Anitha Pedapati, Ravi Kumar Mathur, G Ravichandran, B Kalyana Babu and **H P Bhagya.** 2020. Utilization of dwarf dura mother palms for production of high yielding and dwarf oil palm (*Elaeis guineensis*) hybrids. *Journal of oil seeds research.* **37**(Special issue):93. Mary Rani KL, **Bhagya HP,** Sivani A, Govardhan Rao S, Anitha P and Ravichandran G (2020) Software aiding in selection of promising germplasm for oil palm improvement trials. *Journal of oil seeds research*.**37**(Special issue): 250-251. Ravichandran G, Kalyana Babu B, Anitha P, Somasundaram G and **Bhagya HP** (2020) Standardization of seed viability testing through Tetrazolium in oil palm (*Elaeis guineensis* Jacq.). ***Journal of oil seeds research***. **37**(Special issue): 170-171 B.Narasimha Rao, K. Suresh, S.k. Behera, **H.P.Bhagya,** S. Naresh, 2019. Oil palm-cocoa based cropping system for Economic viability and Sustainability.

	International Journal of oil Palm. 11 **(1):** 11-19. **Bhagya, H.P.,** Maheswarappa, H.P., Surekha, Bhat Ravi, 2017, Carbon sequestration potential in coconut based cropping system. *Indian Journal of Horticulture.* 74(1):1-5. **Bhagya H P,** Ravindra Y C and Lalithya K, 2015. Role of growth regulators in production of essential oil in aromatic crops. *HortFlora Research Spectrum.* 4(2): 171-181. **H.P.Bhagya,** K.A.Lalithya and K.Bharathi, 2014. Influence of growth hormones and nodal cuttings on rooting of *Vitex negundo* L. *Indian Journal of Agricultural Research.* **48**(2):81-88.s **H.P.Bhagya**, Y.C.Raveendra and K.A.Lalithya, 2014. Rooting performance of *Vitex negundo* L.as influenced by growth regulators and nodal cuttings. *Trends in Biosciences*. **7**(12): 1272-1277. T.B. Basavaraju*, **H.P. Bhagya**, M. Prashanth, S. Arulraj and H.P. Maheswarappa, 2014. Effect of fertigation on the productivity of coconut. *Journal of Plantation crops*.**42**(2):198-204. **Bhagya, H.P**. and Sreeramu, B.S. 2013. Effect of growth regulators on vegetative propagation of *Vitex negundo* L. *The Asian Journal of Horticulture*. **8**(1):2019-212.
Awards received	➢ Awarded University **Gold Medal** from UAS Bangalore for Highest OGPA in M.Sc. Horticulture in Plantation, Medicinal , Aromatic and spice crops ➢ Awarded **Inspire fellowship** for Ph.D (Horticulture) from DST in 2013 ➢ Qualified ICARs AICE-**SRF(PGS)-**2014 ➢ Qualified **ASRB –NET** in 2014 ➢ Received **Dr. B R Barwale** outstanding Ph.D. thesis award in Horticulture Biotechnology in the year 2020 from IAHS, New Delhi. ➢ Received **Young Scientist** Award in the International Scientist Awards on Engineering, Science and Medicine, held on 23-Jul-2022, Online, India, organized by VDGOOD Professional Association**.**
Training attended	➢ Completed 101 Foundation Course for Agricultural Research Service (FOCARS) training programme at ICAR-NAARM during 1.01.2015 to 31.03.2015. ➢ Participated in 21 days summer school on ‘’ Contemporary methods of conservation and management of Horticulture Genetic Resources -7th to 27th June, 2016 at ICAR-IIHR, Bengaluru. ➢ Attended virtual training programme on Plant Genetic Resource Management and Utilization organized by ICAR-NBPGR, New Delhi during 19th July to 1st August, 2021.
Others	➢ Three copy rights received for publications ➢ Ten oil palm genetic stocks registered for special traits for utilization in breeding programme at ICAR-NBPGR, New Delhi.

	➢ Developed Intranet software for Data base management of oil palm germplasm. ➢ Act as external Examiner for setting question paper to B.Sc Horticulture students, UHS Bagalkot ➢ Act as external examiner of MSc Thesis evaluation, UHS Bagalkot and Dr. YSRHU , Venkataramanagudem ➢ Life member for society for promotion of oil palm Research and development. ➢ Life member of Indian society for plantation crops (Registered under societies. ➢ Life member in Asian PGPR Society of Sustainable Agriculture ➢ Life member in Indian Academy of Horticultural Sciences (IAHS) ➢ Invited talk given in webinar on Oil palm Genetic Resources: Present status and future needs in India ➢ Organized two webinar on oil palm ➢ Quality oil palm seedlings were supplied to oil palm farmer ➢ Coordinated in many training programme on oil palm (Oil palm nursery management and oil palm production technology, harvesting of oil palm bunches…etc) ➢ Reviewed many research article in journals (Journal of oil palm Research (MPOB), International journal of genetics,..etc) ➢ Editor in ACTA Scientific agriculture ➢ Associate editor in International Journal of Agricultural Sciences ➢ Discharged the duties of SIC Farm, Vehicle and Guest house at ICAR-IIOPR, Pedavegi.