

Detailed CV



Name: Dr RAJU KRISHNA CHALANNAVAR

Educational Qualification: *M.Sc., Ph.D., Post Doc (South Africa)*

Designation: Professor

Address for Correspondence: Department of Applied Botany, Mangalore University, Mangalagangothri-574199 Dakshina Kannada. Karnataka, India

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Research Areas: Mycology, Microbiology, Plant Biotechnology, Phytochemistry, Malaria, Tissue Engineering

Professional Teaching Experience: **22 years**

Research Guidance (M.Phil. /**Ph.D.**):

Completed students' list (with hyperlinks to their CV if available)

1. Dr. Divakar M S: Study on Antidiabetic activity of *Syzygium kanarensis* leaf extracts. **BIOTECHNOLOGY**

2. Dr. Manohar Acharya: Ethnopharmacological validation of medicinal plants of Dakshina Kannada. **BOTANY**

3. Dr. Nityasree B R: Evaluation of Mosquitocidal activities of some plant extracts on *Aedes aegypti* Linn. **BOTANY**

4. Dr. Sowmyashree Kakunje: Screening of potential natural bioactive compounds from some plant extracts and their effects on malaria transmitting mosquitoes. **BOTANY**

5. Dr. Eyob Chukalo: Endophytic fungi from psidium species and their in vitro bioactivity against human bacterial pathogens. **MICROBIOLOGY**

6. Dr. Anand V Nasalpure: Preparation and characterization of hybrid biodegradable polymer scaffold for skin tissue engineering. **INDUSTRIAL CHEMISTRY**

7. Dr. Ajay Kumar : Studies on forced degradation development and validation of stability indicating HPLC UPLC methods of analysis for some active pharmaceutical ingredients APIs. **INDUSTRIAL CHEMISTRY**

Ongoing Registered Students' list

1. Komalakshi K V . Phytochemicals and Pharmacological activities of *Allophylus concanicus* Radlk
2. Avinash Arasidda Kamble. Green Synthesis of Nanoparticles using plant extracts and their Nanocomposite films for Biomedical applications
3. Sowmya. An assessment of forest land use and land cover change using GIS and remote sensing techniques in Western Ghats of Dakshina Kannada, Karnataka.
4. Athishree A N. Endophytic fungi from mangrove plants and their biotic potential
5. Swathi: Ethnobotanical Survey and Ethnopharmacological Validation of Selected Medicinal Plants of Udupi District.
6. Raghudas J. Development of Biofilms using plant extracts for wound healing.

Research Projects (List)(if applicable)

Completed

1. SERB-DST Project

Title of the project: "Discovery and development of natural product from *Psidium sp.* and their effect on malaria causing mosquito *Anopheles arabiensis*" Completed during the year **2017**.

2. **KARNATAKA BIODIVERSITY BOARD (PBR) 12** Grampanchayats of Mangalore District completed during the year 2016

Ongoing

INDIA – ARGENTINA SCIENTIFIC BILATERAL COOPERATION

Title of the project: "Discovery and development of novel drug from natural products from *Psidium* species and their effects on malaria transmitting mosquitoes".

Consultancy Projects (if applicable)

Completed

Ongoing

Professional Collaboration(if applicable)

International

National

Research Journal Publications (list)

International

1. Chalannavar RK, Kolkar KP, Divakar MS, Malabadi RB, Karamchand KS, Baijnath H (2025) Microplastic pollution in agriculture soil: An updated review. World Journal of Advanced Engineering Technology and Sciences. 16(01): 484-497.
2. Jayashree KB, Chalannavar RK, Nandini N, Malabadi RB*, Kolkar KP, Divakar MS (2025) Yeast probiotics fermented food products: Gut microbiome and Women health. World Journal of Advanced Research and Reviews. 27(01):1209-1230.
3. Chalannavar RK, Malabadi RB*, Kolkar KP, Divakar MS, Swathi, Karamchand KS, Nandini N, Munhoz ANR (2025) Probiotics: Health benefits-An update. World Journal of Advanced Engineering Technology and Sciences. 15(03): 2395-2403.
4. Kolkar KP, Malabadi RB, Chalannavar RK, Divakar MS, Swathi, Karamchand KS, Munhoz ANR (2025) Plastic pollution-Microplastics: Cancer related issues. World Journal of Biology Pharmacy and Health Sciences. 22(03); 329-336.
5. Chalannavar RK, Malabadi RB*, Kolkar KP, Divakar MS, Swathi, Karamchand KS, Nandini N, Munhoz ANR (2025) Probiotic Yeasts-An Updated Review. Magna Scientia Advanced Biology and Pharmacy. 15(01): 49-59.
6. Chalannavar RK, Kamble AA, Malabadi RB*, Divakar MS, Swathi, Karamchand KS, Kolkar KP, Moramazi S, Munhoz ANR, Castaño Coronado KV (2025) Microplastics: Detection methods-An update. World Journal of Advanced Research and Reviews. 26(02): 2809-2824.
7. Chalannavar RK, Malabadi RB*, Divakar MS, Swathi, Karamchand KS, Kamble AA, Kolkar KP, Castaño Coronado KV, Munhoz ANR, (2025) Microplastic in food chain-Major health issues-An update. World Journal of Advanced Research and Reviews. 26(01), 4067-4074.
8. Chalannavar RK, Divakar MS, Kumar A, Malabadi RB*, Swathi, Kamble AA, Karamchand KS, Kolkar KP, Moramazi S, Munhoz ANR, Castaño Coronado KV (2025) Wound Healing: Traditional plant based and Modern wound dressing-An update. International Journal of Biological and Pharmaceutical Sciences Archive. 09(02): 044-066.
9. Chalannavar RK, Divakar MS, Kamble AA, Malabadi RB*, Swathi, Karamchand KS, Nethravathi TL, Kolkar KP, Mammadova SS, Munhoz ANR (2025) Applications of 3D printing technology and limitations-An update Global Journal of Engineering and Technology Advances, 22(03), 202-215.
10. Chalannavar RK, Divakar MS, Malabadi RB*, Kamble AA, Swathi, Karamchand KS, Kolkar KP, Castaño- Coronado KV, Munhoz ANR (2025) Plant derived Starch for the Production of Biodegradable plastic. Global Journal of Engineering and Technology Advances, 22(03), 202-215.
11. Chalannavar RK, Swathi, Malabadi RB*, Divakar MS, Komalakshi KV, Angitha B, Kamble AA, Karamchand KS, Kolkar KP, Munhoz ANR (2025) Role of botanical weapon for controlling cancer-an update. World Journal of Biology, Pharmacy and Health Sciences. 21(03), 335-360.

12. Chalannavar RK, Malabadi RB*, Divakar MS, Swathi Komalakshi KV, Angitha B, Kamble AA, Karamchand KS, Kolkar KP, Castaño Coronado KV, Munhoz ANR (2025) Biodegradable plastics-advantages and challenges: An update. Open Access Research Journal of Science and Technology. 13(02), 042-056
13. Chalannavar RK, Malabadi RB*, Divakar MS, Swathi, Komalakshi KV, Kamble AA Kishore S. Karamchand KS, Kolkar KP, Castaño Coronado KV, Munhoz ANR (2025) Industrial *Cannabis sativa* (Fiber or Hemp): Hemp made Leather. World Journal of Advanced Research and Reviews. 25(02): 2207-2218.
14. Kolkar KP, Annapurna S, Malabadi RB*, Jayashree BK, Chalannavar RK, Divakar MS, Karamchand KS, Baijnath H (2025) Indian probiotic food: Gut health management: An updated review. World Journal of Biology Pharmacy and Health Sciences. 23(01): 431-447.
15. Kolkar KP, Malabadi RB*, Chalannavar RK, Swathi, Divakar MS, Karamchand KS, Kamble AA, Castaño-Coronado KV, Munhoz ANR (2025) Microplastic pollution in India-Evidence of major health concern. World Journal of Advanced Research and Reviews. 26(01): 1420-1436.
16. Kolkar KP, Malabadi RB*, Chalannavar RK, Divakar MS, Swathi, Kamble AA, Karamchand KS, Castaño-Coronado KV, Munhoz ANR, Mammadova SS (2025) Microplastic pollution-A major health problem-An update International Journal of Science and Research Archive. 14(03): 1551-1561.
17. Kolkar KP, Malabadi RB*, Chalannavar RK, Divakar MS, Swathi, Kamble AA, Karamchand KS, Castaño-Coronado KV, Munhoz ANR, Mammadova SS (2025) Industrial *Cannabis sativa* (Fiber or Hemp): Hemp Cottonization-Advantages and Current Challenges. International Journal of Science and Research Archive. 14(03): 1233-1267.
18. Malabadi RB*, Chalannavar RK, Divakar MS, Swathi, Komalakshi KV, Kamble AA, Karamchand KS, Kolkar KP, Nethravathi TL, Castaño Coronado KV, Munhoz ANR (2025) Industrial *Cannabis sativa* (Fiber or Hemp): 3D printing-hempcrete-A sustainable building material. World Journal of Advanced Engineering Technology and Sciences. 14(02): 253-282.
19. Malabadi RB*, Kolkar KP, Chalannavar RK, Munhoz ANR (2025) *In vitro* Anther culture and Production of Haploids in *Cannabis sativa*. Open Access Research Journal of Science and Technology. 13(01): 001-020. (<https://doi.org/10.53022/oarjst.2025.13.1.0150>).
20. Malabadi RB*, Kolkar KP, Castaño Coronado KV, Chalannavar RK (2025) *Cannabis sativa*: Quality control testing measures and guidelines: An update. World Journal of Advanced Engineering Technology and Sciences. 14(01): 110-129.
21. Malabadi RB*, Kolkar KP, Chalannavar RK, Baijnath H (2025). Plant Based Leather Production-An update. World Journal of Advanced Engineering Technology and Sciences. 14(01): 031-059.
22. Malabadi RB*, Kolkar KP, Chalannavar RK, Baijnath H (2024). *Cannabis sativa*: Polyploidization - Triploid and Tetraploid Production. World Journal of Biology Pharmacy and Health Sciences. 20(03): 567-587.
23. Malabadi RB*, Kolkar KP, Chalannavar RK, Baijnath H (2024). *Cannabis sativa*: Monoecious species and Hermaphroditism: Feminized seed production- A breeding effort. World Journal of Biology Pharmacy and Health Sciences. 20(03): 169-183. DOI: <https://doi.org/10.30574/wjbphs.2024.20.3.0968>
24. Malabadi RB*, Kolkar KP, Chalannavar RK, Baijnath H (2024). *Cannabis sativa*: Extraction Methods for Phytocannabinoids -An Update. World Journal of Biology Pharmacy and Health

Sciences. 20(03): 018–058.

25. Malabadi RB*, Kolkar KP, Saini I, Veena Sharada B, Chalannavar RK (2024). Bael (*Aegle marmelos* (L.): Ethnobotany, Phytochemistry and Pharmacology: Cultivated varieties in India -An Update. World Journal of Biology Pharmacy and Health Sciences. 20(02): 071–112.
26. Malabadi RB*, Nethravathi TL, Kolkar KP, Saini I, Veena Sharada B, Chalannavar RK, Castaño Coronado KV, Chinnasamy B (2024). Role of **LED** (Light Emitting Diode) Light illumination on the Growth of Plants in Greenhouse Farming-Hydroponics: IOT Technology. World Journal of Advanced Research and Reviews. 24(02); 212–245.
27. Malabadi RB*, Saini I, Kolkar KP, Chalannavar RK, Castaño- Coronado KV, Mammadova SS, Baijnath B, Munhoz ANR, Abdi G (2024). Hydroponic: Factors influencing the Growth of the Plants: Vertical Farming-Carbon Footprint. **Open Access Research Journal of Science and Technology**. 12(01); 060–084.
28. Malabadi RB*, Kolkar KP, Chalannavar RK, Castaño- Coronado KV, Mammadova SS, Baijnath B, Munhoz ANR, Abdi G (2024). Greenhouse farming: Hydroponic vertical farming- Internet of Things (IOT) Technologies: An updated review. World Journal of Advanced Research and Reviews. 23(02), 2634–2686.
29. Malabadi RB*, Sadiya MR, Kolkar KP, Chalannavar RK, Mammadova SS, Baijnath H, Munhoz, ANR, Abdi G (2024). Tea (*Camellia sinensis*) leaves accumulate higher levels of Aluminum: Potential Health Risk- Alzheimer's disease (AD): An updated review of evidence. GSC Advanced Research and Reviews. 20 (1):313-337.
30. Kolkar KP, Malabadi RB*, Sadiya MR, Chalannavar RK (2024) Updates on some medicinal and ornamental plants-Ayurvedic medicines. World Journal of Advanced Research and Reviews. 23(01): 111–147.
31. Malabadi RB*, Sadiya MR, Kolkar KP, Mammadova SS, Chalannavar RK, Baijnath H, Lavanya L, Munhoz ANR (2024) Triple Negative Breast Cancer (TNBC): **Signalling pathways**-Role of plant-based inhibitors. Open Access Research Journal of Biology and Pharmacy. 10(02): 028–071.
32. Malabadi RB*, Kolkar KP, Sadiya MR, Veena Sharada B, Mammadova SS, Chalannavar RK, Baijnath H, Nalini S, Nandini S, Munhoz ANR (2024) Triple Negative Breast Cancer (TNBC): Cannabis sativa-Role of Phytocannabinoids. World Journal of Biology, Pharmacy and Health Sciences. 17(03): 140–179.
33. Malabadi RB*, Sadiya MR, Kolkar KP, Chalannavar RK, Baijnath H (2024) *Tinospora cordifolia* (Amruthballi): Medicinal plant with Anticancer activity. Magna Scientia Advanced Biology and Pharmacy. 11(02): 001–019.
34. Malabadi RB*, Sadiya MR, Kolkar KP, Mammadova SS, Chalannavar RK, Baijnath H (2024) Role of Plant derived-medicine for controlling Cancer. International Journal of Science and Research Archive. 11(01): 2502–2539.
35. Malabadi RB*, Sadiya MR, Prathima TC, Kolkar KP, Mammadova SS, Chalannavar RK (2024) Cannabis sativa: Cervical cancer treatment- Role of phytocannabinoids-A story of concern. World Journal of Biology, Pharmacy and Health Sciences. 17(02): 253–296.
36. Malabadi RB*, Mammadova SS, Kolkar KP, Sadiya MR, Chalannavar RK, Castaño Coronado KV (2024) *Cannabis sativa*: A therapeutic medicinal plant-global marketing updates. World Journal of Biology, Pharmacy and Health Sciences. 17(02):170–183.

37. Malabadi RB*, Sadiya MR, Kolkar KP, Chalannavar RK (2024) Pathogenic *Escherichia coli* (*E. coli*) food borne outbreak: Detection methods and controlling measures. *Magna Scientia Advanced Research and Reviews*.10(01), 052–085.
38. Yadapadithaya, P. Naik, M. Pattabhi, Vishalakshi B.4, Sreepada K.S., **R. K. Chalannavar**, Govindaraju B.M., Tharavathy N.C. (2024). Eco-Friendly Activities for Enhancement of Biodiversity and Energy Conservation in and around Mangalore University, Mangalagangothri Campus. *In IOP Conference Series: Earth and Environmental Science* (Vol. 1194, No. 1, p. 012017).
39. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar**, Himansu Baijnath. (2023). *Cannabis sativa*: Difference between Medical Cannabis (Marjuana or drug type) and Industrial hemp. *GSC Biological and Pharmaceutical Sciences*. 24(03), 377-381, ISSN: 2581-3250.
40. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar**, Monohara Acharya, Bhagyavana S. Mudigoudra. (2023). *Cannabis sativa*: 2023-Outbreak and Re-emergence of Nipha virus (Niv) in India: Role of Hemp Oil. *GSC Biological and Pharmaceutical Sciences*. 25(01), 063-077, ISSN: 2581-3250.
41. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar**, Gholamreza Abdi, Antonia Neidilê Ribeiro Munhoz, Himansu Baijnath. (2023). *Cannabis sativa*: One-Plant-One-Medicine for Many Diseases-Therapeutic Uses-A Review of Evidence. 8(8), ISSN NO. 2454-6194.
42. Ravindra B. Malabadi, Nethravathi TL, Kiran P. Kolkar, **Raju K. Chalannavar**, Bhagyavana S. Mudigoudra, Gholamreza Abdi, Antonia Neidilê Ribeiro Munhoz, Himansu Baijnath (2023). *Fungal Infection Diseases- Nightmare for Cannabis Industries: Artificial Intelligence Applications. International Journal of Innovation Scientific Research and Review*. 8(8), ISSN NO. 2454-6194.
43. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar**, Gholamreza Abdi, Antonia Neidilê Ribeiro Munhoz, Himansu Baijnath. (2023). *Cannabis sativa*: Dengue Viral Disease- Vector Control Measures. *International Journal of Innovation Scientific Research and Review*. 5(8), ISSN NO. 5013-5016.
44. Ravindra B. Malabadi, Kiran P. Kolkar, Chinnasamy Brindha, **Raju K. Chalannavar**, Gholamreza Abdi, Himansu Baijnath, Antonia Neidilê Ribeiro Munhoz, Bhagyavana S. Mudigoudra. (2023). *Cannabis sativa*: auto flowering and hybrid strains. *International Journal of Innovation Scientific Research and Review*. 5(7), 4874-4877.
45. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar**, Moumita Mondal, Lavanya L, Gholamreza Abdi, Himansu Baijnath. (2023). *Cannabis sativa*: Release of Volatile Organic Compounds (VOCs) Affecting Air Quality. *International Journal of Research and Innovation in Applied Science (IJRIAS)*, 8(5), ISSN NO. 2454-6194.
46. Malabadi, R. B., Nethravathi, T. L., Kolkar, K. P., **Chalannavar, R. K.**, Bhagyavana, S., Mudigoudra, G. A., and Baijnath, H. (2023). Applications of Artificial Intelligence (AI) in Cannabis Industries: In Vitro Plant Tissue Culture. *International Journal of Research and Innovation in Applied Science (IJRIAS)*, 8(6), ISSN NO. 2454-6194.
47. Malabadi, R. B., Nethravathi, T. L., Kolkar, K. P., **Chalannavar, R. K.**, Mudigoudra, B. S., Lavanya, L., ... and Baijnath, H. (2023). *Cannabis sativa*: Applications of Artificial intelligence (AI) and plant tissue culture for micropropagation. *International Journal of Research and Innovations in Applied Science (IJRIAS)*, 8(6), 117-142.
48. Malabadi, R. B., Kolkar, K. P., **Chalannavar, R. K.**, Mondal, M., Lavanya, L., Abdi, G., and

Baijnath, H. (2023). Cannabis sativa: Release of volatile organic compounds (VOCs) affecting air quality. *International Journal of Research and Innovations in Applied Science (IJRIAS)*, 8(5), 23-35.

49. Malabadi, R. B., Kolkar, P., **Chalannavar, R.K., Lavanya, L.** and Gholamerza Abdi. (2023). Medical Cannabis sativa (Marijuana or drug type): Psychoactive molecule, Δ^9 -TETRAHYDROCANNABINOL (THC). 8(4), 2454-6194.
50. Malabadi, R. B., Kolkar, P., **Chalannavar, R.K., Lavanya, L.,** Gholamerza Abdi & Himansu Baijnath. Cannabis Products Contamination Problems: A Major Quality Issue. *International Journal of Innovation Scientific Research and Review*. 5(4), 4402-4405.
51. Malabadi, R. B., Kolkar, P., **Chalannavar, R.K.,** and **Lavanya, L.** (2023). *Cannabis sativa*: Botany, Cross Pollination and Plant Breeding Problems. *International Journal of Research and Scientific Innovation*, 08(4) 174-190.
52. Malabadi, R. B., Kolkar, P., and **Chalannavar, R.K.** Medical *cannabis sativa* (marijuana or drug type): the story of discovery of δ^9 -tetrahydrocannabinol (THC) (2023). *International Journal of Innovation Scientific Research and Review* 05 (03) 4134-4143.
53. Malabadi, R. B., Kolkar, K. P., and **Chalannavar, R. K.** *Cannabis sativa*: Industrial Hemp (fiber-type)-An emerging opportunity for India (2023). *International Journal of Research and Scientific Innovation*. 10(3):01-09
54. Malabadi, R. B., Kolkar, P., and **Chalannavar, K.** Δ^9 -tetrahydrocannabinol (thc): the major psychoactive component is of botanical origin. *International Journal of Innovation Scientific Research and Review* (2023). 05 (03) pp.4177-4184
55. Malabadi, R. B., Kolkar, K. P., & **Chalannavar, R. K.** (2023). Industrial *Cannabis sativa* (Hemp fiber): Hempcrete-A Plant Based and Eco-friendly Building Construction Material. *International Journal of Research and Innovation in Applied Science (IJRIAS)* 8 (3) p:67-78.
56. Malabadi, R. B., Kolkar, K. P., & **Chalannavar, R. K.** (2023). *Cannabis sativa*: Industrial hemp (fiber type)-An Ayurvedic Traditional Herbal Medicine. *International Journal of Innovation Scientific Research and Review*, 5(2), 4040-4046.
57. Sowmyashree, K., **Chalannavar, R. K.,** & Nityasree, B. R. (2023). The efficacy of *Pajanelia longifolia* (Willd.) K. Schum leaf extracts against the malaria vector *Anopheles stephensi* Liston (Diptera: Culicidae). *Plant Science Today*, 10(2), 316-324.
58. Malabadi, R. B., Kolkar, K. P., & **Chalannavar, R. K.** (2023). *Cannabis sativa*: Ethnobotany and Phytochemistry. *International Journal of Innovation Scientific Research and Review*, 5(2), 3990-3998.
59. Acharya, M., **Chalannavar, R. K.,** Divakar, M. S., Malabadi, R. B., Kuladeep, P. P., & Kolkar, K. P. (2023). Exploration of ethnomedical knowledge of 'Gowda community' of Sullia Taluk, Dakshina Kannada district, Karnataka, India. *Biomedicine*, 43(1), 130-139.
60. Ajay Kumar and **Raju K. Chalannavar*** (2022). Characterization of the Major Degradation Products of the Praziquantel API by Mass Spectrometry: Development and Validation of Stability-indicating Reversed Phase UPLC Method. *Journal of Liquid Chromatography and Related Technologies*. <https://doi.org/10.1080/10826076.2022.2163253>.
61. Ajay Kumar and **Raju K. Chalannavar*** (2022). Characterization of Degradation Products of Lifitegrast by Mass Spectrometry: Development and Validation of a Stability-indicating Reversed

62. Ravindra B. Malabadi*, Kiran P. Kolkar, **Raju K. Chalannavar (2022)**. Human monkey pox detected first time in india: role of traditional herbal treatment. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 12, pp.3686-3691.
63. Ravindra B. Malabadi*, Kiran P. Kolkar, **Raju K. Chalannavar (2022)**. Outbreak of lumpy skin viral disease of cattle and buffalo in India in 2022: Ethnoveterinary medicine approach. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 11, pp.3562-3574.
64. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Metformin: a novel antidiabetic drug of botanical origin. *International Journal of Innovation Scientific Research and Review* Vol. 04, Issue, 02, pp.2411-2415.
65. Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar (2022)**. Sweet sorghum for biofuel energy: grain sorghum for food and fodderphytochemistry and health benefits. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 09, pp.3305-3323.
66. Manohara Acharya Ravindra B. Malabadi, Kiran P. Kolkar, **Raju K. Chalannavar (2022)**. Ethnobotanical survey of medicinal plants used by the "Nalike" community in the Bantwala taluk of Dakshina Kannada district, Karnataka, India. *Plant Science Today*. ISSN 2348-1900 (online) Vol 9(2): 461–468 <https://doi.org/10.14719/pst.1470>.
67. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Tea (camellia sinensis) : phytochemistry and health benefits -- tea cup that cheers has tears. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 04, pp.2620-2633. online at <http://www.journalijisr.com>
68. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Constipation-a major health disorder: role of herbal medicine treatment. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 04, pp.2634-2645.
69. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Diabetes mellitus: role of botanical pharmacy. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 03, pp.2536-2541.
70. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Wound healing: role of traditional herbal medicine treatment. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 06, pp.2856- 2874.
71. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. Monkeypox: a disturbing viral outbreak in non-endemic region in 2022: herbal treatment options. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 06, pp.2926-2938.
72. Ravindra B. Malabadi, Kiran P. Kolkar, Manohara Acharya, **Raju K. Chalannavar (2022)**. White, and brown rice- nutritional value and health benefits: arsenic toxicity in rice plants. *International Journal of Innovation Scientific Research and Review*. Vol. 04, Issue, 07, pp.3065-3082.
73. Vinayak Lokapur, Varsha Jayakar, Divakar M.S, **Raju Krishna Chalannavar**, Lyned Lasrado, Manjula Shantaram(2022). ZnO nanoparticles with spectroscopically controlled morphology, bioinspired from *Holigarna grahamii* (Wight) Kurz and delving its antioxidant and anticancer

potential on A498 cell line. *Materials Today Communications*. 31 (2022) 103338. (ELSEVIER).

74. Divakar M S, Raju **Krishna Chalannavar** (2021). Antidiabetic effects of unexplored *Syzygium kanarens* (Talbot) Raizada leaves extract in streptozotocin-induced diabetic rats. *Medicinal Plants* Vol. 13 (4): 672-688. [https://doi : 10.5958/0975-6892.2021.00078.2](https://doi.org/10.5958/0975-6892.2021.00078.2)
75. Divakar M S, **Raju Krishna Chalannavar**, Souvik Debnath, Tapan Kumar Chatterjee, Sooryaprakash Shenoy H (2021). Evaluation of acute toxicity exposure to aqueous leaves extract of *Syzygium kanarens* (Talbot) Raizada. *Journal of Microbiology, Biotechnology and Food Sciences*. Vol 10:52 p 1-5. <https://doi.org/10.15414/jmbfs.2219>.
76. Ravindra B. Malabadi*, Kiran P. Kolkar, Neelambika T. Meti, **Raju K. Chalannavar** (2021). The iconic baobab (*adansonia digitata* l.): herbal medicine for controlling coronavirus (sars-cov-2) disease (covid-19) 2021. *International Journal of Research and Scientific Innovation (IJRSI)*. Vol.03, Issue, 08, pp.1635-1647.
77. Anand V. Nasalapure, **Raju K. Chalannavar**, Deepak R. Kasai, Kakarla Raghava Reddy and Anjanapura V. Raghu (2021). Novel polymeric hydrogel composites: Synthesis, physicochemical, mechanical and biocompatible properties. *Nano Express*. 2(2021) 030003. <https://doi.org/10.1088/2632-959X/ac11bf>.
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- 3. Manohara Acharya and Raju Krishna Chalannavar (2021).** Ethnomedicinal plants used in treatment of skin diseases in Dakshina Kannada District, Karnataka, India. **Frontiers in Life Science**. Vol-I: 53-64. **ISBN: 97881951982-1-4.**
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BOOKS

6. **AGROBOTANY** By Manohar Acharya, Shoba,, Ramya Rai and Raju K Chalannavar.2023. **ISBN: 978-81-958215-4**
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Patents (list) (if applicable)

Published

Granted

Papers/ poster presentations in Conferences / Seminars / Symposia (list)

International

1. **"Phytochemical Analysis and Cytotoxic Effects of *Syzygium kanarens* (Talbot) Raizada Leaf Extract on Breast Cancer Cell Line (MCF-7)"** - International Conference on Plant Biotechnology for Sustainable Productivity and Environment at Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, Karnataka, India on 9th and 10th December, 2024.
2. **"Cytotoxicity and Apoptotic effects of *Mammea suriga* (Buch. -Ham. ex Roxb.) Kosterm on Breast Cancer Cell Line (MCF-7)"** - Two-Day International Conferences on New Challenges and Innovations in Molecular Medicine at Vijnana Bhavana, University of Mysore, Manasagangotri, Mysuru on 28th and 29th May, 2025.
3. Divakar M S, **Raju Krishna Chalannavar**. Presented orally on “Evaluation of acute oral toxicity in ethyl acetate extract of *Syzygium kanarens* (Talbot) Raizada leaves in Wistar albino rats as per OECD 425” in International Conference on Plant Biodiversity and Environment Conservation (ICPBEC-2021), 20-21 May-2021, **Punjab Biodiversity Board. Punjab.**
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5. Sowmyashree K, **Raju Krishna Chalannavar**, Ghosh S.K, Nityasree B R and Supriya S (2019). Larvicidal Effect of Essential oils from *Psidium* species against Malaria Transmitting *Anopheles stephensi* mosquito. 55th Annual Scientific International conference of the Malaysian Society of Parasitology and Tropical Medicine (MSPTM) on Scaling up efforts in tropical disease and vectorcontrol through evidence based research. **Intercontinental Hotel Kuala Lumpur, Malaysia.**13th and 14th March 2019.
6. Nityasree B R, **Raju Krishna Chalannavar**, Ghosh S.K, Sowmyashree K & Supriya S (2019). Preliminary Screening of Larvicidal activity of some medicinal plants against

Chikungunya transmitting mosquito, *Aedes aegypti* Linn. (Culicidae). 55th Annual Scientific International conference of the Malaysian Society of Parasitology and Tropical Medicine (MSPTM) on Scaling up efforts in tropical disease and vector control through evidence based research. **Intercontinental Hotel Kuala Lumpur, Malaysia.** 13th and 14th March 2019.

7. Divakar M S, **Raju Krishna Chalannavar**. Presented orally on *In-vitro* study of cytotoxicity and qualitative analysis of phytochemical in leaf extract of *Syzygium kanarensis* (Talbot) Raizada” in International Conference on Medicinal Plants and Drug Discovery held on 18-20 July-2018, Bangalore, India.
8. Manohara A., and **Raju Krishna Chalannavar**. Participated and presented orally on “Documentation of Ethnomedicinal Plants used by “Nalike” Community for Paralysis in Bantwala Taluk, D. K.” in International Conference on **medicinal plants and drug discovery** held on 18th – 20th July 2018 at Bangalore.
9. Sowmyashree K, **Raju Krishna Chalannavar** (2018) Participated in National workshop on Agrobiodiversity Conservation for sustainable socioecological development organized by Centre for Ecological Economics and Natural Resources (CEENR), Institute for Social and Economic Change (ISEC), Bangalore & Department of Applied Botany, Mangalore University Supported By Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science & Technology (DST), Govt. of India on 24th September 2018.
10. Sowmyashree K, **Raju Krishna Chalannavar**, Ghosh S.K, Nityasree B R & Supriya S (2018). Effect of essential oils of *Aegle marmelos* (L.) Corrêa and *Psidium guajava* L. on larvae of malaria vector *Anopheles stephensi*. International conference on Medicinal Plants and drug discovery. Bangalore. 18th to 20th July 2018.
11. Supriya S, **Raju Krishna Chalannavar**, Susanta K Ghosh (2018) Anti-larval activities of Essential Oils of *Psidium* sp. Against Dengue Causing Mosquito *Aedes aegypti* L. (Diptera: Culicidae). International conference organized on Medicinal plants and drug discovery. International conference on Medicinal Plants and drug discovery. Bangalore. 18th to 20th July 2018.
12. Nityasree B R, **Raju Krishna Chalannavar**, Susanta K Ghosh, Ravindra B. Malabadi (2018). Chemical Composition and Larvicidal Activity of Essential Oils Extracted from *Psidium* sp. against Chikungunya causing mosquito *Aedes aegypti* L. (Diptera: Culicidae). International conference on Medicinal Plants and drug discovery. Bangalore. 18th to 20th July 2018.
13. **Raju Krishna Chalannavar** (2017). Participated in International Conference on “Malaria in Global Health” at Nitte University held during 17th and 18th March 2017, Deralakatte, Mangalore, India.
14. **Raju K. Chalannavar** (2017). The Antimosquito properties of Medicinal Plants: Approaches and progress towards new medicines. World Biotechnology Congress 2017 held during February 20- 22, 2017 JNU, New Delhi. India.

15. **Raju K. Chalannavar**, H Baijnath and B Odhav (2015). The Antimosquito properties of Indigenous Medicinal Plants: A Pathway to Global Development. **BRIDGES 2015 – International workshop on Bridging Development Divide for Inclusive Growth through Science, Technology and Innovation**. 16-17 Jan 2015, at DST Centre for Policy Research, BBA Central University, Lucknow. **India**.
16. **Raju K Chalannavar** and B Odhav (2013). The antimosquito properties of indigenous South African Plants. 3 International Science Congress (ISC-2013). Karunya University, Coimbatore, Tamil Nadu. 8th & 9th December 2013. **India**.
17. **Raju K Chalannavar**, Venugopala K N, Baijnath H and Odhav B (2012). Effect of *Psidium* species extracts on malaria causing mosquitoes *Anopheles arabiensis* Brazilian Chemical Society (SBQ). Division of Medicinal Chemistry. 6th Brazilian Symposium on Medicinal Chemistry, 28th to 31st Nov 2012. **Brazil**.
18. **Raju K Chalannavar**, Venugopala K N, Baijnath H and Odhav B (2012). Synthesis and anti mosquito properties of methyl 2,6-diphenyl-1-*p*-tolyl-4-(*p*- tolylamino)-1,2,5,6-tetrahydropyridine- 3-carboxylate. Brazilian Chemical Society (SBQ). Division of Medicinal Chemistry. 6th Brazilian Symposium on Medicinal Chemistry, 28th to 31st Nov 2012. **Brazil**.
19. **Raju K Chalannavar**, Baijnath H and Odhav (2011). The anti-mosquitoes properties of *Psidium* species – B.SASM Conference, Cape Town, 6-10 Nov 2011. **South Africa**.
20. **Raju K Chalannavar** (2010). Participated in Traditional Medicine Conference 27th July-30th July 2010. **South Africa**.
21. **Raju. K. Chalannavar**, Prof Baijnath H and Odhav B (2009). Prebiotic Oligosaccharides from *Spirulina platensis*. At 50th Association of Microbiologist of India (AMI) Conference. Dec 15th - 18th 2009. National Chemical Laboratory (CSIR), Pune, **India**.
22. **Raju. K. Chalannavar**, Prof Baijnath H and Odhav B. Essential oils from *Cymbopogon nardus* (L.) Demonstrate anti-inflammatory potential. 20-23 September, Bio2Biz 2009 & SASM09. Durban, **South Africa**.
23. **Raju. K. Chalannavar** (2008). Attended and participate International Microbial Biotechnology Conference and workshop on Metagenome, Jakarta, 11-13 November. **Indonesia**.
24. **Raju. K. Chalannavar** and kalaivani (2007). “Diversity and ecological studies of aquatic fungi. Asian Mycology Congress, Grand Plaza, Park, Royal, Penang, **Malaysia**.
25. **Raju. K. Chalannavar** and kalaivani (2007). “Self-fusion of protoplast enhances chitinase production in *Trichoderma roseum*”. Asian Mycology Congress, Grand Plaza, Park Royal, Penang, **Malaysia**.
26. **Raju.K.Chalannavar** (2006). “Fungal Diversity on Leaf Litter” at 8th International Mycological Congress held at Cairns, Queensland, **Australia**.
27. **Raju.K.Chalannavar** (2006). “Studies on Litter Fungi-Fungal colonization of *Achras sapota* and *Gliricidia maculata*” at 8th International Mycological Congress held at Cairns, Queensland, **Australia**.
28. Sowmyashree K, **Raju Krishna Chalannavar** (2017). Participated in International

workshop on Peripheral Smear based Malarial Parasite identification and load estimation. K.S Hegde Medical Academy, Nitte University, Mangalore.17th and 18th March. 35.

29. Supriya S, **Raju Krishna Chalannavar** (2017). Participated in a International workshop on Peripheral Smear Based Malarial Parasite Identification and Load Estimation. K.S Hegde Medical Academy, Nitte University, Mangalore.17th and 18th March.36.
30. Nityasree B R, **Raju Krishna Chalannavar** (2017). Participated in a International workshop on Peripheral Smear Based Malarial Parasite Identification and Load Estimation. K.S Hegde Medical Academy, Nitte University, 17th and 18th March 2017. Mangalore.
31. **Raju K. Chalannavar**, Venugopala K. Narayanaswamy, Himansu Baijnath and Bharti Odhav(2015).Presented paper on “The Antimosquito properties of Essential oils from SouthAfrican Plants”.By National seminar on New Frontiers in Plant Sciences and Biotechnology, Goa University, 29-30 Jan 2015.42.
32. **Raju K. Chalannavar** and Ch.Ramesh (1998). “Studies on litter fungi-Fungal colonization of *Achras sapota* and *Swetenia mahagoni leaf* litter” at an International symposium on “Ecology of fungi” held at Goa University, Goa, **India**.
33. CH. Ramesh and **Raju.K.Chalannavar** (1997). “Occurrence of microfungi on leaf litter in Dharwad”. at an International conference on “Integrated Plant Disease Management for Sustainable Agriculture” at Indian Agricultural Research Institute, New Delhi, **India**.

NATIONAL

34. Sowmyashree K, **Raju Krishna Chalannavar** (2019) Participated in National Conference on Present Scenario of Basic and Applied Bioscience organized by Department of Zoology, Botany and Biotechnology at S.J.V.P college Autonomous, Harihar on 25th February 2019.
35. Nityasree B R, **Raju Krishna Chalannavar** (2019) Participated in National Conference on Present Scenario of Basic and Applied Bioscience organized by Department of Zoology, Botany and Biotechnology at S.J.V.P college Autonomous, Harihar on 25th February 2019.
36. Manohara A., and **Raju Krishna Chalannavar**. Participated and presented orally on “Ethnomedicinal plants used by Vasu pandith – a traditional healer of bantwala taluk” in the National interaction meeting of practitioners and researchers of traditional system of medicine held on 12th – 13th October 2017 at Kerala Forest Research Institute, peechi, Trishur, Kerala.
37. **Raju Krishna Chalannavar** (2016). Participated in National seminar and Workshop on Functional Nanomaterials for energy, Environment and Health. Held during 21st & 22nd March 2016 at Mangalore University, Mangalagangotri.India.
38. Sowmyashree K, **Raju Krishna Chalannavar** (2018). Participated in National Seminar on LifeScience for the Life organized by Department of Zoology, Botany and Biotechnology at S.J.V.P College Autonomous, Harihar on 2nd April 2018 at Harihar.

39. Nityasree B R, Raju **Krishna Chalannavar** (2018). "Preliminary studies on Larvicidal Activity of Psidium sps. Against Chikungunya transmitting mosquito" in National seminar conducted by S.J.V.P College Autonomus, Harihar.
40. Sowmyashree K, **Raju Krishna Chalannavar**, Ravindra B Malabadi, Nityasree B R & Supriya S (2017). Phytochemical Investigation, In-vitro Antioxidant and Anti-mosquito Activity of *Premna mollissima* Roth. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October.
41. Nityasree B R, **Raju Krishna Chalannavar** (2017). Preliminary studies on phytochemicals, in- Vitro antioxidant and larvicidal activities of *Careya arborea* Roxb. Fruit extract on chikungunya transmitting mosquito *Aedes aegypti*. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October 2017.
42. Supriya S, **Raju Krishna Chalannavar** , Ravindra B Malabadi, Nityasree B R & Sowmyashree K (2017). Preliminary screening of botanical extracts and its impact on dengue causing mosquito *Aedes aegypti* Larvae. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October 2017.
43. Sowmyashree K, **Raju Krishna Chalannavar** & Ravindra B Malabadi (2017). Anti-mosquito Properties of *Sphagneticol trilobata* (L.) Pruski against Malaria Transmitting Mosquito *Anopheles stephensi*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment. Indian Science Congress Association 2017. National Conference organised by Mangalore university of Science and technology in association with The Indian Science Congress Association (ISCA). 8th and 9th September.
44. Nityasree B R, **Raju Krishna Chalannavar** (2017). Preliminary studies on screening of phytochemicals and larvicidal activity of *Centratherum punctatum* Cass. On chikungunya transmitting mosquito *Aedes aegypti*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment. Indian Science Congress Association 2017. National Conference organised by Mangalore university of Science and technology in association with The Indian Science Congress Association (ISCA). 8th and 9th September.
45. Supriya S, **Raju Krishna Chalannavar** & Ravindra B Malabadi (2017). Preliminary Studies on Phytochemicals and Larvicidal Activity of *Punicagranatum* L. Leaf Extract on Dengue Transmitting Mosquito *Aedes aegypti*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment. Indian Science Congress Association 2017. Mangalore University, Mangalagangothri. 8th and 9th September.
46. Sowmyashree K, **Raju Krishna Chalannavar** (2017). Participated in Three days special Lecture series on recent trends in Botanical Sciences. Department of Applied

Botany, Mangalagangothri and Karnataka Science and Technology Academy, Bangalore.
26th to 28th October.12.

47. Nityasree B R, **Raju Krishna Chalannavar** (2016). National Workshop on “Theory and practice of Molecular Structure Determination using X-ray Crystallography” organized by DST – PURSE laboratory, 3th to 5th March 2016. Mangalore University.
48. Supriya S, **Raju Krishna Chalannavar** (2016). Participated in XI Joint Annual Conference of ISMOCD & IAE. Public Health in Digital India and Swatch Bharat. ISMOCD & IAE. Bangalore.11th and 12th June. 39.
49. Nityasree B R, **Raju Krishna Chalannavar** (2016). Participated in XI Joint Annual Conference of ISMOCD & IAE. Public Health in Digital India and Swatch Bharat. ISMOCD & IAE. 11th and 12th June 2016. Bangalore.
50. Sowmyashree K, **Raju Krishna Chalannavar** (2016). Participated in XI Joint Annual Conference of ISMOCD & IAE. Public Health in Digital India and Swatch Bharat. ISMOCD & IAE. Bangalore. 11th and 12th June 2016.
51. **Raju K. Chalannavar** (2006). Participated in National Seminar on Plant Resources of Western Ghats, Ecology, Economics and Conservation held at Sathish Dhawan Auditorium, IISc Campus, Bangalore on 7th and 8th December 2006. **India.**
52. Sowmyashree K, **Raju Krishna Chalannavar** & Ravindra B Malabadi (2017). Anti-mosquito Properties of *Sphagneticolatrilotata*(L.) Pruski against Malaria Transmitting Mosquito *Anopheles stephensi*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment. Indian Science Congress Association 2017. National Conference organised by Mangalore university of Science and technology in association with The Indian Science Congress Association (ISCA). 8th and 9th September.
53. Nityasree B R, **Raju Krishna Chalannavar** (2017). Preliminary studies on screening of phytochemicals and larvicidal activity of *Centratharumpunctatum*cass. On chikungunya transmitting mosquito *Aedesaegypti*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciencesfor Energy, Health and Environment. Indian Science Congress Association 2017. National Conference organised by Mangalore university of Science and technology in association with The Indian Science Congress Association (ISCA). 8th and 9th September.
54. Supriya S, **Raju Krishna Chalannavar** & Ravindra B Malabadi (2017). Preliminary Studies on Phytochemicals and Larvicidal Activity of *Punicagranatum* L. Leaf Extract on Dengue Transmitting Mosquito *Aedesaegypti*. Reaching the Unreached Through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciencesfor Energy, Health and Environment. Indian Science Congress Association 2017. Mangalore University, Mangalagangothri. 8th and 9th September.
55. **Raju K. Chalannavar** (2008). Participated in XXI Annual Conference (NESA) on “Urban Environment-Present Scenario and Future Strategies” held Central College, Bangalore University, Bangalore from 27th -29th Dec 2008. **India.**
56. **Raju K. Chalannavar** (2006). Participated in National Seminar on Fungal

Biodiversity, Biotechnology and Bioinformatics (NSFBBB) and 32nd Annual Meeting of Mycological Society of India (MSI) HELD AT Bangalore From 2nd -3rd February, 2006. **India.**

57. **Raju K. Chalannavar** and Ch.Ramesh (2000). "Studies on litter fungi-Mycoflora of *Ficus benjamina*" at a National symposium on Biotechnology of plant protection- application and technology development held at the Center of Advanced Study in Botany, Banaras Hindu University, India, **2000.**
58. Ch.Ramesh and **Raju.K.Chalannavar** (1997). "Studies on Litter fungi-Mycoflora of *Citrus aurantium*"L. at 84th session of ISCA held at New Delhi, **India.**
59. Ch.Ramesh and **Raju.K.Chalannavar** (1997). "Studies on litter fungi-Fungal colonization of *Psidium guajava* L.Leaf litter" at a National symposium on "Fungi in Diversified Habitat" organized by the Department of Botany, Osmania University, and Hyderabad, **India.**
60. **Raju. K. Chalannavar** and Ch.Ramesh (1996). "Preliminary studies on litter fungi-Fungal colonization of *Acacia melanoxylon* R.Br." at National seminar on "Recent advances in Botany" at Yeshavantrao Chavan Institute of Sciences, Satara, Maharashtra, **India.**
61. Ch.Ramesh and **Raju K. Chalannavar** (1996). "Preliminary studies on decomposition of leaf litter of *Citrus aurantium* L.Comparative evaluation of different isolation techniques" at 83rd session of ISCA held at Patiala Punjab, **India**

REGIONAL

62. Manohara A., and **Raju Krishna Chalannavar**. Participated and presented orally on "Deteriation of Traditional medicinal knowledge of Dakshina Kannada District" held on 15th – 17th September 2021 at 16th **Kannada Vijnana Sammelana**, Mangalore University, Mangalagangothri.
63. **Raju Krishna Chalannavar** (2016). Participated in National seminar and Workshop on Functional Nanomaterials for energy, Environment and Health. Held during 21st & 22nd March 2016 at Mangalore University, Mangalagangothri.India.
64. Sowmyashree K, **Raju Krishna Chalannavar** (2018). Participated in National Seminar on LifeScience for the Life organized by Department of Zoology, Botany and Biotechnology at S.J.V.P College Autonomous, Harihar on 2nd April 2018 at Harihar.
65. Nityasree B R, **Raju Krishna Chalannavar** (2018). "Preliminary studies on Larvicidal Activity of *Psidium* sps. Against *Chikungunya* transmitting mosquito" in National seminar conducted by S.J.V.P College Autonomus, Harihar.
66. Sowmyashree K, **Raju Krishna Chalannavar**, Ravindra B Malabadi, Nityasree B R &Supriya S (2017). Phytochemical Investigation, In-vitro Antioxidant and Anti-mosquito Activity of *Premna mollissima* Roth. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October.

67. Nityasree B R, **Raju Krishna Chalannavar** (2017). Preliminary studies on phytochemicals, in- Vitro antioxidant and larvicidal activities of *Careyaarborearoxb*. Fruit extract on chikungunya transmitting mosquito *Aedes aegypti*. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October 2017.
68. Supriya S, **Raju Krishna Chalannavar** , Ravindra B Malabadi, Nityasree B R & Sowmyashree K (2017). Preliminary screening of botanical extracts and its impact on dengue causing mosquito *Aedes aegypti* Larvae. Trends in Bioactive Natural Products and Health Care. BNP HC 2017. National Conference organised by Department of Studies in Biochemistry, Mangalore University, Post graduate centre, Chikka Aluvara, Kodagu. 6th and 7th October 2017.

WORKSHOP / SYMPOSIUM

69. Sowmyashree K, **Raju Krishna Chalannavar** (2017). Participated in Three days special Lecture series on recent trends in Botanical Sciences. Department of Applied Botany, Mangalagangothri and Karnataka Science and Technology Academy, Bangalore. 26th to 28th October. 12.
70. **Raju K. Chalannavar** (2015). Participated in Two Day Workshop on Radiation-Its Applications in Physical, Chemical and Life Sciences Conducted by Department of Physics & UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH KOLKATA CENTRE on dated 24th to 25th June 2015 at Mangalore University, Mangalore.
71. **Raju K. Chalannavar** (2015). Participated in One Day Workshop on Biological Diversity Act – 2002 Conducted by Karnataka Biodiversity Board on dated 31st Jan 2015 at Mangalore University, Mangalore.
72. **Raju K. Chalannavar** (2014). Participated in 3rd Annual meeting & symposium conducted by Society of Biological Chemists (India) Coastal Karnataka Chapter. Held during 25th October 2014 at School of Life Sciences, Manipal University, Manipal. India.

Invited / plenary talks delivered (list) (if applicable)

INTERNATIONAL

1. **Keynote Speaker:** The Anti mosquito properties of Psidium sp: Approaches towards new medicines. International webinar on Role of Technology in Biological and Environmental Science Research. Conducted by **Motherhood University, Roorkee, Uttarakhad, India**. Held on 14th June 2020.
2. **Plenary lecture:** Antimosquito properties of Psidium sp: Approaches towards new medicines. International conference Sunway Putra Hotel, Kuala Lumpur, **Malaysia**. ICAFE 27th & 28th November 2019.

3. **Chaired Session at 2th International Conference on Composites, Biocomposites and Nanocomposites.** 28th Oct 30th 2015. Durban University of Technology, Durban, **South Africa** Invited talk on **“The Antimosquito properties of Indigenous Medicinal Plants: A Pathway to Global Development”** at **BRIDGES 2015** two days International Workshop organized by **DST Centre for Policy Research at BBA, Central University, Lucknow** from **16-17 Jan 2015**.
4. **Chaired Session at XI Joint Annual Conference of ISMOCD &IAE held during 10th 12th June, 2016 at Bangalore. Key note talk** on “The Antimosquito properties of Medicinal Plants: Approaches and progress towards new medicines. Raju K. Chalannavar (2017).World Biotechnology Congress 2017 held during February 20-22, 2017 JNU, New Delhi.India.
5. **Chaired Session at** International Conference on Medicinal plants and Drug Discovery 18-20th July2018 at Hotel Capitol, Bangalore, Karnataka, India

NATIONAL

6. **Lead Lecture:** Anti mosquito plants as an alternative method for malaria vector control. National Seminar on New Vista in Botany 13th & 14th February 2020. **Goa University**.
7. Delivered talk on **“Plant Called Medicine”** at two days National Seminar on **“Plant Biodiversity”** organized by the department of Botany, Gov. Arts and Science College, Kozhikode,Kerala from **11th and 12th December 2014**.

Impact of publications in terms of (if available).

h-index: **31**

i10 index: **86**

Citation index: **2790**

Conferences / Seminars / Workshops / Symposia organized(if applicable)

Awards / Fellowship / Recognition (Specify)(if applicable)

FDPs/ Professional Development programs (PDPs)/ Refresher Course/ Orientation Course/ Faculty Induction program (FIPs)/ Workshops/ Seminars/ Conferences attended

1. FDP Attended Five days' Faculty Development Programme conducted by Infosys at Mangalore University, Mangalagangothri. 2025.

Membership of Professional Bodies (Life Member)

1. Asian Journal of Microbiology, Biotechnology and Environmental Sciences
2. The Academy of Environmental Biology
3. National Environmental Science Academy
4. Indian Journal of Environment and Ecoplaning
5. Journal of Current Sciences
6. Society of Biological Chemists, India
7. International Science Congress Association
8. Indian Science Congress Association
9. Mycological Society of India

Open Educational Resources (OER) / Online Content / MOOCs curated (if applicable)

Any other Information