


PROFILE

1	Dr. KIRAN P. KOLKAR Professor Department of Botany, Karnatak Science College, Dharwad – 580 001 Karnataka, India	
2	Designation	Professor
3	Qualification	M.Sc. , M.Phil., Ph.D.,
4	Awards	BEST PAPER PRESENTATION 2004
5	Institution	Dr. KIRAN P, KOLKAR Department of Botany, Karnatak Science College, Dharwad – 580 001 Karnataka, India
6	Residential Adders	Dr. KIRAN P, KOLKAR PlotNo,14 and 15, PoornKiran . Gurudev Atmanand Nagar, Dharwad, Karnataka – 580 008
7	Area of specialization	REPRODUCTIVE PHYSIOLOGY AND MORPHOGENESIS. MEDICINAL PLANT
8	Mobile Number, Email ID, UUCMS ID, Vidwan ID	9986096876 kpkolkar_kcd@rediffmail.com 26339 240082
9	No. of papers published 86	Papers Published 2018 onwards = 65
10	Citations	Citation 1249 h-index 15 i10 index 23
11	Resource Person	04
12	Papers presented in seminars / conferences / workshops / symposium	04 (2018 onwards)
13	Attended Conference /Seminar/ Symposium etc.	56
14	Guiding M.Sc. Students 16	2023: 8 2024: 8
15	Research Guiding for Ph.D.	Working 05
16	Conferences. XXXLL. IAAT	Worked as Joint Organizing Secretary 2022
17	Completed Research Projects:	01
18		

Attended several Conferences /Seminar/Symposia/Workshops and presented research papers.

Supervised the project work of M.Sc. Botany students.

List of Published Papers from 2018 to July 2024

2024 (08)

65) Ravindra B. Malabadi 1, 2, *, Sadiya MR 3, **Kiran P. Kolkar** 4, Raju K. Chalannavar 5, Simuzar S. Mammadova 6, Himansu Baijnath 7, Antonia Neidilê Ribeiro Munhoz 8 and Gholamreza Abdi 9 **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(01), 313–337.**DOI:** <https://doi.org/10.30574/gscarr.2024.20.1.0264>

64) **Kolkar KP**, Malabadi RB, Sadiya MR, Veena Sharada B, Chalannavar RK (2024) Updates on some medicinal and ornamental plants-Ayurvedic medicines. World Journal of Advanced Research and Reviews. 23(01): 111–147.

63) 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.

62) 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.

61) 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.

60) 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.

59) Malabadi RB, Mammadova SS, **Kolkar KP**, Sadiya MR, Chalannavar RK, Karen Viviana Castaño Coronado (2024) *Cannabis sativa*: A therapeutic medicinal plant-global marketing updates. World Journal of Biology, Pharmacy and Health Sciences. 17(02):170–183.

58) 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.

2023 (30)

- 54) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Baijnath H (2023). *Cannabis sativa*: Difference between Medical Cannabis (marijuana or drug) and Industrial hemp. *GSC Biological and Pharmaceutical Sciences*. 24(03): 377-381.
- 53) Malabadi RB*, Nethravathi TL, **Kolkar KP**, Chalannavar RK, Mudigoudra BS, Abdi G, Munhoz ANR, Baijnath H (2023). *Cannabis sativa*: One Plant-One-Medicine for many diseases-Therapeutic uses-A review of evidence. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8(8): 132-174.
- 52) Malabadi RB*, Nethravathi TL, **Kolkar KP**, Chalannavar RK, Mudigoudra BS, Abdi G, Munhoz ANR, Baijnath H (2023). Fungal Infection Diseases- Nightmare for *Cannabis* Industries: Artificial Intelligence Applications. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8(8): 111-131.
- 51) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Abdi G, Munhoz ANR, Baijnath H (2023). *Cannabis sativa*: Dengue Viral Disease- Vector Control Measures. *International Journal of Innovation Scientific Research and Review*. 5(8): 5013-5016.
- 50) Malabadi RB*, **Kolkar KP**, Brindha C, Chalannavar RK, Abdi G, Baijnath H, Munhoz ANR, Mudigoudra BS (2023). *Cannabis sativa*: Autoflowering and Hybrid Strains. *International Journal of Innovation Scientific Research and Review*. 5(7): 4874-4877.
- 49) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Munhoz ANR, Abdi G, Baijnath H (2023). *Cannabis sativa*: Dioecious into Monoecious Plants influencing Sex Determination. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8(7): 82-91.
- 48) Malabadi RB*, Nethravathi TL, **Kolkar KP**, Chalannavar RK, Mudigoudra BS, Abdi G, Baijnath H (2023) *Cannabis sativa*: Applications of Artificial intelligence (AI) in Cannabis industries: In Vitro plant tissue culture. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8 (7): 21-40.
- 47) Malabadi RB*, Nethravathi TL, **Kolkar KP**, Chalannavar RK, Mudigoudra BS, Lavanya L, Abdi G, Baijnath H (2023) *Cannabis sativa*: Applications of Artificial Intelligence and Plant Tissue Culture for Micropropagation. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8(6):117-142.
- 46) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Mondal M, Lavanya L, Abdi G, 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.
- 45) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Lavanya L, Abdi G (2023) Medical *Cannabis sativa* (Marijuana or drug type): Psychoactive molecule, Δ^9 -Tetrahydrocannabinol (Δ^9 -THC). *International Journal of Research and Innovations in Applied Science*. 8(4): 236-249.
- 44) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Lavanya L, Abdi G, Baijnath H (2023) *Cannabis* products contamination problem: A major quality issue. 5(4): 4402-4405.

- 43) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Lavanya L, Abdi G (2023) Hemp Helps Human Health: Role of Phytocannabinoids. *International Journal of Innovation Scientific Research and Review*. 2023; 5 (4): 4340-4349.
- 42) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Lavanya L, Abdi G (2023) Cannabis sativa: Botany, Cross Pollination and Plant Breeding Problems. *International Journal of Research and Innovations in Applied Science (IJRIAS)*. 8 (4): 174-190.
- 41) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Lavanya L, Abdi G (2023) *Cannabis sativa*: The difference between Δ 8-THC and Δ 9-Tetrahydrocannabinol (THC). *International Journal of Innovation Scientific Research and Review*. 5(4): 4315-4318.
- 40) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) Cannabis sativa: Industrial Hemp (fiber-type)- An emerging opportunity for India. *International Journal of Research and Scientific Innovations (IJRSI)*. X (3):01-9.
- 39) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) *Cannabis sativa*: Hempcrete-A plant based and Eco-friendly building construction material. *International Journal of Research and Innovation in Applied Sciences*. 8 (3):67-78.
- 38) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) Δ 9-Tetrahydrocannabinol (THC): The major Psychoactive Component is of Botanical origin. *International Journal of Innovation Scientific Research and Review*. 5(3): 4177-4184.
- 37) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) Medical *Cannabis sativa* (Marijuana or Drug type); The story of discovery of Δ 9-Tetrahydrocannabinol (THC). *International Journal of Innovation Scientific Research and Review*. 5: (3)4134-4143.
- 36) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) *Cannabis sativa*: Industrial hemp (fiber type)-An Ayurvedic Traditional Herbal Medicine. *International Journal of Innovation Scientific Research and Review*. 5(2): 4040-4046.
- 35) Malabadi RB*, **Kolkar KP**, Acharya M, Chalannavar RK (2023) Cannabis sativa: Medicinal plant with 1000 Molecules of Pharmaceutical Interest. *International Journal of Innovation Scientific Research and Review*. 5(2): 3999-4005.
- 34) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) *Cannabis sativa*: Ethnobotany and Phytochemistry. *International Journal of Innovation Scientific Research and Review*. 5(2): 3990-3998.
- 33) Acharya M, Chalannavar RK*, Divakar MS, Malabadi RB, Kuladeep PP, **Kolkar KP** (2023) Exploration of ethnomedical knowledge of ‘Gowda community’ of Sullia Taluk, Dakshina Kannada district, Karnataka, India. *Biomedicine*. 43(1):130-139.
- 32) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Acharya M, Mudigoudra BS (2023) *Cannabis sativa*: 2023-Outbreak and Re-emergence of Nipah virus (NiV) in India: Role of Hemp oil. *GSC Biological and Pharmaceutical Sciences*. 25(01), 063–077.
- 31) Malabadi RB*, Sadiya MR, **Kolkar KP**, Lavanya L, Chalannavar RK (2023) Quantification of THC levels in different varieties of *Cannabis sativa*. *International Journal of Science and Research Archive*. 10(02): 860–873.

30) Malabadi RB*, Sadiya MR, **Kolkar KP**, Chalannavar RK (2023) Biodiesel production via transesterification reaction. *Open Access Research Journal of Science and Technology*. 09(02): 010–021.

29) Malabadi RB*, Sadiya MR, **Kolkar KP**, Chalannavar RK (2023) Biodiesel production: An updated review of evidence. *International Journal of Biological and Pharmaceutical Sciences Archive*. 06(02): 110–133.

28) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) Industrial *Cannabis sativa*: Hemp oil for biodiesel production. *Magna Scientia Advanced Research and Reviews*. 09(02): 022–035.

27) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2023) Industrial *Cannabis sativa*: Role of hemp (fiber type) in textile industries. *World Journal of Biology, Pharmacy and Health Sciences*. 16(02): 001–014.

26) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Vassanthini R, Mudigoudra BS (2023) Industrial *Cannabis sativa*: Hemp Plastic-Updates. *World Journal of Advanced Research and Reviews*. 20(01): 715–725.

25) Malabadi RB*, **Kolkar KP**, Chalannavar RK, Acharya M, Mudigoudra BS (2023) Industrial *Cannabis sativa*: Hemp-Biochar- Applications and Disadvantages. *World Journal of Advanced Research and Reviews*. 20(01): 371–383.

2022 (11)

24) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2022) Human Monkeypox detected first time in India: Role of Traditional Herbal Treatment. *International Journal of Innovation Scientific Research and Review*. 4(12): 3686-3691.

23) Malabadi RB*, **Kolkar KP**, Chalannavar RK (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*. 4(11): 3562-3574.

22) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2022) Plant Natural Pigment Colorants-Health Benefits: Toxicity of Synthetic or Artificial Food Colorants. *International Journal of Innovation Scientific Research and Review*. 4(10): 3418-3429.

21) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2022) Sweet Sorghum for Biofuel energy : Grain sorghum for Food and Fodder-Phytochemistry and Health benefits. *International Journal of Innovation Scientific Research and Review*. 4(9): 3305-3323.

20) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2022) White and Brown rice- Nutritional value and Health benefits: Arsenic Toxicity in Rice plants. *International Journal of Innovation Scientific Research and Review*. 4(7): 3065-3082.

19) Malabadi RB*, **Kolkar KP**, Acharya M, Nityasree BR, Chalannavar RK (2022) Monkeypox: A disturbing viral outbreak in non-endemic region in 2022: Herbal treatment options. *International Journal of Innovation Scientific Research and Review*. 4(6): 2926-2938.

18) Malabadi RB*, **Kolkar KP**, Acharya M, Nityasree BR, Chalannavar RK (2022) Wound Healing: Role of Traditional Herbal Medicine Treatment. *International Journal of Innovation Scientific Research and Review*. 4(6): 2856-2874.

17) Malabadi RB*, **Kolkar KP**, Acharya M, Chalannavar RK (2022) Tea (*Camellia sinensis*): Phytochemistry and Health Benefits- Tea Cup that Cheers has Tears. *International Journal of Innovation Scientific Research and Review*. 4(4): 2620-2633,

16) Malabadi RB*, **Kolkar KP**, Acharya M, Chalannavar RK (2022) Constipation-A major health disorder: Role of herbal medicine treatment. *International Journal of Innovation Scientific Research and Review*. 4(4): 2634-2645.

15) Malabadi RB*, **Kolkar KP**, Acharya M, Divakar MS, Chalannavar RK (2022) Diabetes mellitus: Role of Botanical Pharmacy. *International Journal of Innovation Scientific Research and Review*. 4(3): 2536-2541.

14) Malabadi RB*, **Kolkar KP**, Acharya M, Chalannavar RK (2022) METFORMIN: A novel Antidiabetic drug of Botanical origin. *International Journal of Innovation Scientific Research and Review*. 4(2): 2411-2415.

2021 (13)

13) Malabadi RB*, **Kolkar KP**, Chalannavar RK (2021) Natural plant gum exudates and mucilages: Pharmaceutical updates. *International Journal of Innovation Scientific Research and Review*. 3(10): 1897- 1912.

12) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) The iconic Baobab (*Adansonia digitata* L.): Herbal medicine for controlling coronavirus (SARS-CoV-2) disease (Covid-19). *International Journal of Innovation Scientific Research and Review*. 3(8): 1635-1647.

11) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Triphala: An Indian Ayurvedic herbal formulation for coronavirus (SARS-CoV-2) disease (Covid-19). *International Journal of Current Research in Biosciences and Plant Biology*. 8(8) 18-30. (DOI: <https://doi.org/10.20546/ijcrbp.2021.808.003>).

10) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) An age old Botanical weapon for Herbal therapy: Camphor tree, *Cinnamomum camphora*. *International Journal of Innovation Scientific Research and Review*. 3(7): 1518-1523.

12) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Outbreak of Coronavirus (SARS-CoV-2) Delta variant (B.1.617.2) and Delta Plus (AY.1) with fungal infections, Mucormycosis: Herbal medicine treatment. *International Journal of Research and Scientific Innovations*. 8(6): 59-70 (DOI: 10.51244/IJRSI.2021.8603).

11) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Recent updates on Leishmaniasis: Kala-Azar outbreak, risk factors and herbal treatment. *International Journal of Current Research in Biosciences and Plant Biology*. 8(6): 1-22 (DOI: 10.20546/ijcrbp.2021.806.001).

10) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Role of plant based hand sanitizers during the recent outbreak of coronavirus (SARS-CoV-2) disease (Covid-

19). Significances of Bioengineering & Biosciences. 5(1): 458-468 (DOI: dx.doi.org/10.31031/SBB.2020.05.000605).

09) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Role of botanical essential oils as a therapy for controlling coronavirus (SARS-CoV-2) disease (Covid-19). International Journal of Research and Scientific Innovations. 8(4): 105-118 (DOI: dx.doi.org/10.51244/IJRSI.2021.8407).

08) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Traditional herbal Folk medicine used for controlling coronavirus (SARS-CoV-2) disease (covid-19). International Journal of Innovation Scientific Research and Review. 3 (7): 1507-1517.

07) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Camphor tree, *Cinnamomum camphora* (L.); Ethnobotany, and pharmacological updates. Biomedicine. 41 (2): 181-184 (DOI: <https://doi.org/10.51248/v41i2.779>).

06) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Vaccine development for coronavirus (SARS-CoV-2) disease (Covid-19); Lipid nanoparticles. International Journal of Research and Scientific Innovations. 8(3): 189-195 (DOI: dx.doi.org/10.51244/IJRSI.2021.8312).

05) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Melatonin: One molecule one- medicine for many diseases, coronavirus (SARS-CoV-2) disease (Covid-19); Function in plants. International Journal of Research and Scientific Innovations. 8(3): 155-181 (DOI: <https://dx.doi.org/10.51244/IJRSI.2021.8310>).

04) Malabadi RB*, **Kolkar KP**, Meti NT, Chalannavar RK (2021) Recent updates on the role of herbal medicine for Alzheimer's disease (Dementia). International Journal of Current Research in Biosciences and Plant Biology. 8(1): 14-32. (doi: <https://doi.org/10.20546/ijcrbp.2020.801.002>).

2020 (03)

03) Channabasava. A, Lakshaman H. C. and Kolkar KP, (2020) Selection of suitable AM Fungi to *Brassica nigra* (L.) W. D. J. Koch to improve biomass and seeds number. Bioscience discovery, 11 (1): 34 – 37.

02) Lakshaman H. C., Channabasava. A and Kolkar KP, (2020) Influence of AM Fungi, Azoto bacter and phosphate solubalizing bacteria on *Withania somnifera* (L.) Dunal. – a venerable medicinal plant. Bioscience discovery, 11 (1): 1 – 6.

01) Kolkar KP, Lakshaman H. C. and Channabasava. A (2020) The inoculation effect of phosphate solubalizing Bacteria and AM Fungi on growth and Nitrogen uptake in *Vigna cylindrica* (L.) Skeel, (L.) Skeels. Bioscience discovery, 11 (1): 15 – 19.

Papers presented in seminars / conferences /symposia

2022

14. Attended and present XXXII Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on “The Contribution of Angiosperm

Diversity to Human Wellbeing and The Risks Associated with Its Decline” November 11th – 13th, 2022 at the Department of UG, PG and Research in Botany, Karnatak University’s, Karnatak Science College, Dharwad, Karnataka - 580 001. **As a Joint Organizing Secretary.**

13. Attended and participated in Bodhi international conference on Engaging development: Problems and prospects in Science ,social Sciences and Humanities on 22 and 23 April 2022

2021

12. Attended two days Science Academics Lecture Workshop in “Plant Taxonomy and Biodiversity Conservation” held on 4th and 5th September, 2021, organized by Department of Botany, P. C. Jobin Science College, Hubballi, Karnataka, India.

11. Participated in XXXV Annual Conference of Botany Teachers of all the Affiliated Colleges and Constituent Colleges of Karnatak University, Dharwad on 21st November 2021. Organized by Department of Botany, Kittel Science College, Dharwad.

10. Attended National webinar on Plant sciences and special lectures organized by PG department of studies in Botany karntak University Dharwad on 12 July 2021

2020 [Webinars]

08. Participated in the International Webinar on “Recent Trends in Physics” Organized by the Department of Physics, Karnatak Science College, Dharwad in association with Internal Quality Assurance Cell (IQAC) on 28th November 2020.

08. Participated in the One Day National Webinar on “Faunal Diversity and Prospects of Life Sciences” on 30th November 2020. Organized by IQAC and Department of Zoology, Karnatak Science College, Dharwad.

07. Participated in the One Day National Webinar on “Role of Biodiversity in 21st Century” Organized by the Department of Botany, Karnatak Science College, Dharwad in association with Internal Quality Assurance Cell (IQAC) on 7th December, 2020.

06. Participated in the One Day National Webinar on “NAAC Assessment & Re-accreditation: An Insight” Organized by Internal Quality Assurance Cell (IQAC), Karnatak Science College, Dharwad on 16th December, 2020.

05. Participated in One Day International Webinar on “Emerging Innovations in Biotechnology (IWEIBT-2020)” Organized by the Department of Biotechnology, Karnatak Science College, Dharwad in association with Internal Quality Assurance Cell (IQAC) on 17th December, 2020.

04. Participated in One Day International Webinar on “Advances and Opportunities in Genetics” Organized by the Department of Botany (Genetics), Karnatak Science College,

Dharwad in association with Internal Quality Assurance Cell (IQAC) on 19th December, 2020.

2019

03. Attended National Seminar on “Vachanagalli Vijana and Vyganikate” on 18-19 March, 2019. Organized by Dharwad Regional Science Centre, Dharwad and Karnataka Vijana and Tantrajana Prosthahaka Society, Govt. of Karnataka, Bangaluru.

02. Attended Three Days National Level Workshop on “New Dimentionsions in Computational Biology” held at Karnatak State Higher Education Academy, Dharwad on

3rd to 5th July, 2019. Organized by Karnataka State Higher Education Academy and Karnatak University, Dharwad,

2018

01. XXXIII Annual Conference of Karnatak University Colleges Botany Teachers Association & Two Day National Seminar On “Modern Trends in Botany: Priorities and Challenges” held on March 10-11, 2018. Organized by Department of Botany, Karnatak University’s Karnatak Science College, Dharwad, Karnataka, India.

BOE and BOS Chairman / Member

02) BOS Member, Genetics, Karnatak University, Dharwad

01) BOS Member Botany, GSS College (Autonomous) Belagavi.