

FACULTY PROFILE

NAME : **Dr Siddappa B. Kakkalameli**
Designation : Assistant Professor
Department : Department of Studies in Botany
Qualification : M.Sc.B.Ed., M.Phil.Ph.D, PGDYS.

Specialization : *Ecology and Environmental Biology*
Green Nanotechnology,
Phytochemistry and Biodiversity and
Conservation

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Vision

It is a great honor to present my vision as a faculty of Botany will strive to be a dynamic and dedicated to teaching, lifelong learning, professionalism, research, entrepreneurship, and partnership with local and global communities.

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD.,	Botany	Karnatak University Dharwad Prof: T.C. Taranath	2017
2	M.Phil.,	Botany	Periyar University Selum Dr Prakashgouda	2007
3	PG	Botany	Karnatak University, Dharwad	May-2005
4	UG	CBZ	Karnatak University, Dharwad	June-2002
5	PGDYS	YOGA	Karnatak University Dharwad	2006-07

Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Assiatant Professor	DavangereUniversity, Davangere	PG	29/06/2019	Till date

Areas of Research Interest:

1.	Environmental Biology, Biodiversity and Conservation, Photochemistry
2.	Green Nanotechnology,
3.	Phytoremediation, ecotoxicology

Academic/Administrative responsibilities:

1.	Coordinator, Department of studies in Yogic Science
2.	Coordinator ,Placement Cell, Cultural Activities,
3.	Mammber BOS, BOE

ResearchProjects:

Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	Investigation of Antioxidont and anticancer potential of Biofabricated Matalic Nanoparticals from selected plants.	Davangere University, ,Shivagangotri, Davangere-577007	20,000/-	6 Months	Completed

Research Publications:

a) International Journals

1.	Hanamanthagouda, M. S., Kakkalamei, S. B. , Naik, P. M., Nagella, P., Seetharamareddy, H. R., & Murthy, H. N. (2010). Essential oils of <i>Lavandula bipinnata</i> and their antimicrobial activities. <i>Food Chemistry</i> , 118(3), 836-839.
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2.	Daphedar, Azharuddin B., Siddappa B. Kakkalameli , Govindappa Melappa, Tarikere Chandrashekhharappa Taranath, Chandrashekar Srinivasa, Chandan Shivamallu, Asad Syed et al. "Genotoxic assay of silver and zinc oxide nanoparticles synthesized by leaf extract of <i>Garcinia livingstonei</i> T. Anderson: a comparative study." (2021): 114-121.
3.	Doddamani, Tejshwini, Balamurali krishnan Balasubramanian, Siddappa Kakkalameli , Joseph Kadanthottu Sebastian, Manikantan Pappuswamy, Bader O. Almutairi, Mikhliid H. Almutairi, and Azharuddin Daphedar. "Phytofabricated Silver Nanoparticles Derived from <i>Leea crispa</i> Leaf Extract: Antituberculosis and Anticancer Activities." <i>BioResources</i> 20, no. 1 (2025): 452.
4.	Prashant karadakatti & Siddappa B kakkalameli <i>Sonerila charmadiensis</i> (Melastomataceae), a new species from Karnataka, <i>indiaphytotaxa</i> 717 (1): 089–095
5.	Karadakatti, Prashant, and Siddappa B. Kakkalameli . "Sonerila konkanensis Resmi & Nampy (Melastomataceae)—an addition to the flora of Karnataka, India." <i>Journal of Threatened Taxa</i> 16, no. 5 (2024): 25279-25282.
6.	Karadakatti, Prashant, and Siddappa B. Kakkalameli . "Sonerila bababudangiriensis (Melastomataceae), a new species of herb from the Western Ghats of India." <i>Journal of Threatened Taxa</i> 17, no. 4 (2025): 26917-26922.
7.	Karadakatti, Prashant, and Siddappa B. Kakkalameli . "Sonerila gigantea (Melastomataceae): A New Species from Western Ghats, India. <i>Asian Journal of Research in Botany</i> " Volume 8, Issue 1, Page 306-314, 2025 (2025).
8.	Praveen, T., and Siddappa B. Kakkalameli . "Studies on phytochemical, GC-MS analysis, in vitro cytotoxic assay and their biological activities of <i>Cynarospermum asperrium</i> (Nees) Vollesen." <i>Acanthaceae</i> . <i>Journal of Medicinal Plants Studies</i> 13, no. 5 (2025): 142-152.

9.	RC, DARSHAN, and Siddappa B. Kakkalameli . "Phytochemical screening, proximate analysis and phyto-synthesis of zinc oxide metallic nanoparticles from the leaf of <i>Abutilon persicum</i> (Burm. f.) Merr. and their biological applications <i>Asian Journal of Applied Chemistry Research</i> ." (2025) Volume 16, Issue 2, Page 173-200, 2025;.
10.	Srinivasa, Chandrashekar, M. Govindappa, Sushma Pradeep, Shashank M. Patil, Ramith Ramu, Shiva Prasad Kollur, Siddappa B. Kakkalameli , Shashanka K. Prasad, and Chandan Shivamallu. "Bioprospecting of Lapachol Producing Endophytic Fungi." <i>International Journal of Health & Allied Sciences</i> 11, no. 1 (2022): 90-95..
11	Chandrashekar Srinivasa, S R Santosh Kumar, Sushma Pradeep, Shashanka K Prasad, Ravindra Veerapur, Mohammad Azam Ansari, Mohammad N Alomary, Saad Alghamdi, Mazen Almeahmadi, Kavitha GC, Azharuddin B Daphedar, Siddappa B Kakkalameli , Chandan Shivamallu & Shiva Prasad Kollur "Eco-friendly synthesis of MnO ₂ nanorods using <i>gmelina arborea</i> fruit extract and its anticancer potency against MCF-7 breast cancer cell line." <i>International journal of nanomedicine</i> (2022): 901-907.
12.	Venkataravana, Prabhakarareddy Anapalli, S. R. Santosh Kumar, Kuralayanapalya Puttahonnappa Suresh, Sharanagouda S. Patil, Uma Bharathi Indrabalan, R. Sridevi, Veeresh Santhebennur Jayappa, Siddappa B Kakkalameli , and Chandrashekar Srinivasa "Regulated Emergence of the African swine fever virus: B646L (p72) Gene Based Bayesian Coalescent Analysis.(2021)." <i>Int. J. Life Sci. Pharma Res</i> 11, no. 4 (2021): 1-8.
13.	RC, Darshan, Prashant Karadakatti, P. Praveen, and Siddappa B. Kakkalameli . "Biosynthesis of zinc oxide nanoparticles from <i>Memecylon talbotianum</i> D. Brandis leaf extract and its larvicidal activity. <i>International Journal of Entomology Research</i> Volume 9, Issue 6, 2024, Page No. 113-118
14	Daphedar, Azharuddin B., Siddappa B. Kakkalameli , Govindappa Melappa, Tarikere Chandrashekhara Taranath, Chandrashekar Srinivasa, Chandan Shivamallu, Asad Syed et al. "Genotoxic assay of silver and zinc oxide nanoparticles synthesized by leaf extract of <i>Garcinia livingstonei</i> T. Anderson: a comparative study." (2021): 114-121.

14	Doddamani, Tejshwini, Balamuralikrishnan Balasubramanian, Siddappa Kakkalameli , Joseph Kadanthottu Sebastian, Manikantan Pappuswamy, Bader O. Almutairi, Mikhliid H. Almutairi, and Azharuddin Daphedar. "Phytofabricated Silver Nanoparticles Derived from <i>Leea crispa</i> Leaf Extract: Antituberculosis and Anticancer Activities." <i>BioResources</i> 20, no. 1 (2025): 452.
15	Shrishail, H. C., Siddappa Kakkalameli , S. Madhura, and G. D. Yogashree. "„Floristic Diversity of Raichur Fort Karnataka India “." <i>International Journal of Science and Research (IJSR)</i> 9, no. 9 (2020): 188-191.
16	Praveen, T., and Siddappa B. Kakkalameli . "Studies on phytochemical, GC-MS analysis, in vitro cytotoxic assay and their biological activities of <i>Cynarospermum asperum</i> (Nees) Vollesen." <i>Acanthaceae</i> . <i>Journal of Medicinal Plants Studies</i> 13, no. 5 (2025): 142-152.
b) International Conference	
1.	Characterization ,antioxidant and antibacterial activity of silver nanoparticles synthesized by fruit extract of <i>Michelia champaca</i> L two days international conference was attended on recent advances in applied sciences (icraas-2019) on 17 th and 18 th Organised by School of Applied Sciences Reva University Bangalore India
	Xxxv annual conference of indian association for angiosperm taxonomy and international symposium on global perspectives in Angiosperm Systematics, traditional knowledge and biodiversity conservation paper presented on Investigation on nutritional phytochemical, elemental analysis and their biological activities of Duabanga fruits extract Organised by St Josephs College (Autonomus) Devagiri, Kozhikode, During 21-23 november 2025 in collaboration with the Malabar Botanical garden and institute for plant sciences (MBGIPS-KSCSTE)
c) National Conference	
1.	Accumulation Profile of Heavy Metals in Selected crop and Vegetables of the suburban area of Hubballi -Dharwad, Karnataka India , Presented in One day national webinar on role of Biodiversity in 21 st century Held on 7 th December 2020 organized by Department of Botany, Karnatak auniversity's Karnataka Science College Dharwad-580001

Book Published /Book Chapters Published:

➤ **Bioactive molecules against infectious diseases :Current concepts and updates.**

Azharuddin B.Daphedar, Siddappa B.Kakkalmeli, SikandarI. Mulla, Muttangoud N. Publisher: Innovation infoe-books, 2021, 01- 20

Book Chapter

Siddappa B. Kakkalameli, Azharuddin B. Daphedar, Basheerabegum Faniband, Swati Sharma, Ashok Kumar Nadda, Luiz Fernando R. Ferreira, Muhammad Bilal, Juliana Heloisa Pinê Américo-Pinheiro, and Sikandar I. Mulla. "Biopolymers and environment." In *Biopolymers: Recent updates, challenges and opportunities*, pp. 19-33. Cham: Springer International Publishing, 2022.

Book chapter:

Bioactive Molecules and their Role in the Eradication of Infectious Diseases: Current and Future Prospective. Azharuddin B.Daphedar, **Siddappa B.Kakkalmeli**, SikandarI. Mulla, Muttangoud N. Publisher: Innovation infoe-books, 2021, 01- 20

Kakkalameli, S. B. Nanotechnology Green Synthesis of Nanomaterials. *SHINEEKS*, 137.

Sl.No	Name of the Scholar	University	Registration Month & Year	Research Area
1	Prashant Karadakatti	Davangere Universiy	Dec-23	Taxonomy
2	Darshan R C	Davangere Universiy	Dec-23	Green nanotechnology
3	Praveen T	Davangere Universiy	Dec-23	Phytochemistry

Conference /Workshops /Trainings attended /organized :

International / National Conferences :

1. UGC, SWRO Sponsored two day conference on Biodiversity and Conservation of Angiosperms with special reference to Endangered ,Endemic and Medicinal plants organized by Department of Botany JSS college Dharwad on 23rd and 24th of March 2007.
2. Awareness Training Programme on Biodiversity related issues Biodiversity register. Sponsored by Karnataka Biodiversity Board Bangalore in P.G. Department of applied genetics On 25th may 2009.
3. UGC Sponsored Two Day state level seminar on Conservation of Medicinal plants: Strategies and Priorities held in Govt Science College Chitradurga on 19 and 20th April 2012.
4. Special lecturer series for Ph.D course work in Botany organized by P.G. Department of studies in Botany and sponsored by DST-PURSE programme on 2 to 7th September 2013 in P.G. Department of studies in Botany Karnatak University Dharwad.
5. UGC Sponsored two days workshop on SPSS for faculty and research scholars of science departments held in Academic staff college Karnatak University Dharwad on 5 and 6 November 2014.
6. Chromium induced Morphological and biochemical responses of *Salvinia molesta* .Mitchell, a Paper has presented in Indian Science Congress held at University of Jammu, from 3 to 7 2014
7. UGC Sponsored one day national level conference on Biodiversity for quality food , medicine and safe environment organized by Department of Botany PC Jabin Science College Hubballi on 18 Jan 2017.
8. Effect of Chromium on Morphological and biochemical parameters of *Pistia Stratiotes* Paper has presented in Two day national conference on medicinal and

aromatic plants organized by Dept of post graduate studies and research in Botany and dept of Biotechnology, shridevi P.G Centre, Shridevi Charitable Trust, Tumakuru. Held on 12th and 13th June 2017.

9. Characterization of antibacterial and antioxidant activity of silver nanoparticles synthesized from *Alternaria alternaria*, entophytic fungi of *Dendrophythoe falcate*-a parasitic plant a two day national Conference on Phytochemical and microbial bioactive compounds Role in Agriculture and Human Welfare (PMBC-2019) Supported by UGC SAP-II, Organized by Department of Microbiology and Biotechnology Bangaluru University Jnana Bharathi Campus, Bangaluru-560056. held on 3rd and 4th October-2019.
10. Role of bioinformatics in identification of possible mechanism of tulsi phytochemical in the management of rubella virus Poster has been presented in a two day national Conference on Phytochemical and microbial bioactive compounds Role in Agriculture and Human Welfare (PMBC-2019) Supported by UGC SAP-II, Organized by Department of Microbiology and Biotechnology Bangaluru University Jnana Bharathi Campus, Bangaluru-560056. held on 3rd and 4th October-2019.
11. Participated in the webinar on “Recent developments in Plant Sciences” on 6th August 2020 organized by IQAC and Department of Botany, JSS ,College for Women (Autonomous) Saraswatipuram, Mysuru-09.
12. International Webinar on “*Intellectual Property Rights, An Overview: Myth & Realities*” organized by the Department of Botany and Department of Commerce & Management. June 6th, 2020 KLE Society’s Science & Commerce College Kalamboli, Navi Mumbai, India
13. International Webinar on “RECENT TRENDS IN CYBER CRIME & CYBER LAWS” during 12th June 2020 organized by Department of Studies in Criminology and Forensic Science, Davangere University, Davangere-577007, Karnataka.
14. Participated in webinar on topic Molecular Taxonomy and DNA Bar-coding : Concepts, Methods and Applications” held on 20th may 2020 Organized by Department of Botany, R.D and S.H National College and S.W.A Science College Bandar (W) Mumbai-400050.
15. Participated in “National webinar on Series (NWS) 2020 on Immunology and infection: Biochemical approaches to therapies” from 15th to 20th June 2020 organized by Department

of Biochemistry and Society of Biological Chemists (INDIA) Davangere Branch Davangere University, Davangere-Karnataka, India.

16. Participated in National Webinar on Archeobotanical studies on Ancient Plasters of Elloracaves, Organized by Department of Botany and IQAC Padmabhushan Dr. Vasantrodada Patil Mahavidyalaya, Tasgaon, Sangli on 2nd July 2020.
17. Participated in One day Webinar on Fungal pigments: Scope and Application in food Industries on 2nd June 2020 organized by School of applied Science, Suresh Gyan Vihar University Jaipur, Rajasthan, India.
18. Participated in webinar entitled by Next Generation Genomics for crop improvement to address hunger and Malnutrition during Covid-19 held on May 21 2020 organized by Department of Bioinformatics School of Life Sciences, VISTAS, and Chennai.
19. Participated in the state level Webinar on Drug discovery in SARS COV@ targets” Organized by Oxford College of engineering Department of Biotechnology Bammanahalli Bengaluru.
20. Participated in Webinar on Generation of Bio fuels and future challenges: IS Algae the Bio fuel of the future? On 6th July 2020 Organized by Oxford college of engineering Department of Biotechnology Bammanahalli Bengaluru

Organized programmes:

21. Worked as organizing secretary in One Week Live Webinar Series of International E-Conference in Plant Sciences held during 25th 30th May 2020 in Davangere University, Shivagangothri, and Karnataka, India as organizing secretary.
22. Worked as ORGANIZING COMMITTEE MEMBER for one day Virtual Workshop on the “Patent Filing in Life Sciences” conducted by the Department of Studies in Botany, Davangere University, and Davangere on 30th December, 2020.
23. Worked as organizing committee member in the Two Days National Virtual Lecture Workshop on “Recent Trends in Plant Biology” organized by Department of Studies in Botany, Davangere University sponsored by Indian Academy of Sciences, Bengaluru, held on 29th & 30th January 2021.

24. Workshop on Two days Hands on training workshop on plant taxonomy whispers of the leaves:
The Art of Leaf-based plant identification, Organised by Ajesra Research and Education Center
Hosadevarahadlu, Sirigere(T) Chikkamangaluru (D) Karnataka, India

Workshops/Seminars/Symposium Attended:

1. Faculty development courses: Faculty development courses was attended during 6th Jan 2020 to 13th Jan 2020 conducted by the Davangere university Davangere - 577007
2. One week online certification course on Influenza pandemics: Yesterday, Today and Tomorrow was attended online on 22nd April 2020 to 26th April 2020 course was conducted by Research development and Innovation cell in association with Vnnat Bharat Abhiyan This was organised by College and Research centre Assagoa Bardez-Goa
3. Two week Faculty Development programme managing online classes and Co-Creating MOOCs2.0 was undergoing from 18th may 2020 to 1st June 2020 organized by Teaching Learning Centre and research Development and services cell Ramanujan College. University of Delhi.
4. Four week Orientation programme for faculty in University of Higher education from June 04- July 01 2020(With A+ Grade) organized by Teaching Learning Centre and research Development and services cell Ramanujan College. University of Delhi.
5. National Level online one week short term course on “Plant Taxonomy” during 3rd to 8th August 2020 organized by Department of Botany, Nizam College, Osmania University, Hyderabad, India.
6. National Level Online one Week Short term Course on “Green Audit” during (7th to 14th August 2020 organized by Department of Environmental Science Osmania University and Environment Protection Training and Research institute-(EOTRI) Hyderabad, Telangana, India
7. Participated in Oneday Workshop on “Role of Digital Libraries in academic research” held on 30th May 2020 at Central Library, Davangere University, Davangere.
8. Participated on three days Convection on “NEP- 2020” Held virtually from 21th to 23rd September 2020 Conducted by IQAC Davangere University, Davangere, and Karnataka, India in Association with KAAS.
9. Participated in Four months Certificate Course on “Medicinal Plants and Biodiversity Conservation” from September 2020 to December 2020 organized by Ambika Prasad Research Foundation, Odisha, India.

Training Programme:

21 days ICAR winter school on Advances in next generation microbial inoculant technologies to promote greenhouse Gas Mitigation, Soil carbon sequestration, and Climate resilient agricultural systems ICAR Indian institute of Soil science

UGC Sponsered Inter disuplinary refresher course in Biological science (Online) University grant
commission Malaviya Mission teacher training centre

Achievements/Awards/Abroadvisit/ProfessionalMembership

1.	KarnatakaStateVignana Parishat(KRVP)Benagaluru
4.	KarnatakrastriyavignanaandolanaBengaluru
7.	Green Thinker ZTMS ociety, green thinker zsociety #1193/b,ranjitnagar, kharar district mohali, punjab, pincode: 14030 1india
10.	Indian Ecological Society Punjab, Agricultural University, Ludhiyana
12.	Indian Association for Angiospermic Taxonomy (IAAT) Kalicut India

PersonalDetails

Gender	Male	
Dateof Birth	06-07-1980	
Contact details	Address for Communication	Permanent address
	DR.Siddappa.B.Kakkalameli Department Of Studies in Botany Davangere University Shivangotri Davangere-577007 Karnataka-India	DR.Siddappa.B.Kakkalameli At. Post Asangihal Tq-Sindagi Dist-Vijayapura Sindagi-586128 Karnataka-India
Electroni caddress	Telephone-Mobile:Home : E mail :dubotsiddu@gmail.comsiddubotdu@davangereuniversity.ac.in Website:https://scholar.google.co.in/citations?user=k2QkWLMAAAAJ&hl=en	