




Rayalaseema University

(A State University Established by Govt. of Andhra Pradesh)

(Accredited by NAAC with 'B' Grade)

KURNOOL – 518007, ANDHRA PRADESH

FACULTY PROFILE

1	Name of the Faculty	:	DR. B. KAVITHA			
2	Designation	:	ASST. PROF. IN BOTANY ©			
3	Department	:	BOTANY			
4	Date of Birth	:	5/4/1980			
5	Date of Joining	:	02/09/2015			
6	Academic Qualifications		UG Degree		PG Degree	Research Degree
	Name of the Degree	:	B.Sc. (BZC) & B.Ed		M.Sc. (Botany)	M.Phil (Botany) & Ph.D. (Botany)
	Class / Grade Awarded	:	Ist Class		Ist Class /III Grade	Ist Class
	Board / University	:	S.K.University Anantapur - 515 003, A.P.		S.K.University Anantapur - 515 003, A.P.	S.V.University, Tirupati - 517 502, A.P.
	Year of receiving Degree	:	2000 and 2001		2003	2011 &2014
7	Areas of Specialization	:	Phytomedicine & Pharmacognostic Studies of Herbal drugs			
8	Total Experience (Yrs.)	:	Teaching		Industry	Total
			22		-	22
9	Papers Presented	:	National		International	Total
			12		07	19
10	Research Publications	:	Journals		Conferences Proceedings	Books / Chapters
	National Level	:	-		01	-
	International Level	:	26		02	01/08
11	Participation in		Seminars		Conferences/ Webinar	Workshops
	National Level	:	12		12	08
	International Level	:	01		11	-
12	Ph.Ds. / Projects	:	Completed:-		Ongoing:	-

	Guided				
13	Research Projects handled	:	Major:-	Minor:	-
14	Fellowships / Memberships	:	<ol style="list-style-type: none"> 1. Life member for Indian Science Congress Association - Membership No: L31467 2. Life member for Society of Biological Chemists - Membership No: 3927 3. Life member for AP Science Congress Association. 4. Life member for Botanical Society of India 		
15	Awards / Achievements / Any other information	:	<ol style="list-style-type: none"> 1. Special Prize in Postal Exhibition, National Science Day Celebrations, SKU, Anantapur, 2002. 2. Third Rank In M.Sc Botany, SKU, Anantapur, 2001-2003 3. Certificate of Appreciation, Best Teacher Award From Rotary Club, Nandyal, 2006 – 2007 4. Certificate of Appreciation for achieving 100% results from Govt. of AP, DEO, Kurnool, 2010. 5. Associate fellow of AP science academy -2018. 6. Certificate of Excellence in Reviewing from Journal of advances in Microbiology, 2020. 7. Nobel Laureate Barbara McClintock Inspiring Women of the Year 2021-03-21. 8. Certificate of Excellence in Reviewing from Asian Journal of research in Botany, 2021-06-21. 9. Women Researcher Award from International Scientist Awards on Engineering, Science and Medicine, 2021-08-21. 10. Certificate of Excellence in Reviewing from Journal of experimental agriculture international 2021-08-03. 11. Worked as Member, Board of Studies Botany, S.R (Autonomous) Degree & P.G. College, 2007-2013. And Served as Student Mentor, Member (2003 – 2013) in several Field trips, Study tours, Industrial visits and number of Social awareness programme organized by Department of Botany, S.R (Autonomous) Degree & P.G. College, Nandyal. 12. Served as a In charge for Yoga Certificate Course (2016 – 18) and PG Diploma In Yoga PT (2018-2019) Rayalaseema University, Kurnool. 13. Serving as a Deputy Warden for women's hostels, RU, Kurnool from 2018 Oct to till date. 		

		<p>14. Served as Subject Expert in BOS for Sri Ramakrishna Autonomous Degree College, Nandyal, 2017-2018.</p> <p>15. Served as Member For BOS Yoga Certificate Course, Rayalaseema University, Kurnool, 2017.</p> <p>16. Worked as a member for curricular aspects committee in IQAC and NAAC, RU. 2018.</p> <p>17. Acted as a Discussion forum moderator for Soft skill course on IITBombayX, 2021.</p> <p>18. Working as Member, Board of Studies M.Sc Botany, Rayalaseema University, Kurnool, 2016-to till date.</p> <p>19. Working as a member for mentoring and projects supervisor to M. Sc Botany Students, RU, KNL. 2016-to till date.</p> <p>20. Working as a member for student support and progression committee in IQAC, RU. 2021 to till date.</p> <p>Paper reviewer for journals: Journals names-</p> <ol style="list-style-type: none"> 1. <i>Studies on Ethno-Medicine (S-EM)</i> 2. <i>Biomedicine & Pharmacotherapy</i> 3. <i>Journal of advances in Microbiology</i> 4. <i>Asian journal of research in Botany</i> 5. <i>Journal of experimental agriculture international</i> 6. <i>International journal of pharmaceutical research</i> 7. <i>Current Journal of Applied science and research.</i> 8. <i>Journal of pharmaceutical research international</i> 9. <i>Journal of experimental agriculture international.</i> 10. <i>South Asian journal of research in microbiology</i> <p>FACULTY DEVELOPMENT PROGRAMMES:</p> <ol style="list-style-type: none"> 1. B. Kavitha. Successfully Completed an AICTE approved Two-week Faculty Development Programme on IIT Bombay X: FDP101X Foundation program in ICT for Education, under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching. Sep13th to Oct 27th, 2018. 2. B. Kavitha. Successfully Completed an AICTE approved Two-week Faculty Development Programme on IIT Bombay X: FDP201X, pedagogy for online and blended teaching and learning process under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching. Oct30th to Dec 13th, 2019.
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3. **B. Kavitha** Participated in **FDP** on Scientific research article writing & publishing jointly conducted by AE Consultancy Services & EMG Group – SSM TRUST, on 21. 04. 2020.
4. **B. Kavitha.** Participated in **One week FDP** on Skills to improve teaching performance & productivity – post covid 19, by Dr. K.V. Subba Reddy of Business Management in association with Y Intercept Solutions, HYD, from 20th to 26th May, 2020.
5. **B. Kavitha.** Participated on **FDP** on “Research Methodology” (Version -2.0) by AE Consultancy Services & EMG – SSM TRUST, on 06.06. 2020.
6. **B. Kavitha.** Successfully completed **one week FDP** Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation organized by School of Mathematics Sciences, Swami Ramanand Teerth Marathwada University, Nanded, from 1 to 6th July, 2020.
7. **B. Kavitha. Participated in FDP** on “Plants for food and health care” organized by Dept. Botany, YVU, Kadapa, 12-14th, Aug, 2020.
8. **B. Kavitha. Participated in Virtual FDP** on Challenges and Opportunities in Diverse Fields: Pre and Post Pandemic Era Organized by Dept. Biochemistry, RU, KNL, 2-6th Sep, 2020.
9. **B. Kavitha.** Participated **FDP** on Drug Discovery: From Lab to Industry, Organized by NIT AP., Dept. Biotechnology, 23rd to 27th Aug, 2021.
10. **B. Kavitha.** Participated **FDP** on Waste to Bioenergy: A Sustainable Solution, Organized by NIT AP., Dept. Biotechnology, 13th to 17th Sep, 2021.
11. **B. Kavitha.** Participated **FDP** on Entrepreneurship Organized by Atal incubation center, Sri Krishnadevaraya University, ATP, AP., 5th to 7th Sep, 2022.
12. **B. Kavitha.** Participated 10 days **FRP** on Teaching, Learning and Research In HEI’ by IOT Academy, Coimbatour, Tamilnadu, India, From 3rd to 13th Jan, 2023.

CERTIFICATE COURSE PROGRAMMES:

1. **B. Kavitha.** Successfully Completed the **one month online Certificate course** in Yoga tradition titled Certificate Programme in Traditional Yoga (Level-1) conducted by

			<p>National Sanskrit University, Tirupati, 1-30th June, 2020.</p> <p>2. B. Kavitha. Successfully completed the one and half month (45 days) online Certificate course in Yoga titled Certificate Programme in Kriya Yoga (Level-2) conducted by National Sanskrit University, Tirupati, 10th July to – 25th Aug 2020.</p> <p>3. B. Kavitha. Successfully Completed and secured Grade A in SS101X: Soft Skills an online Certificate course conducted by IIT Bombay X, 15th July to 15th Dec, 2020.</p> <p>4. B. Kavitha. Successfully Completed and secured Grade C in LATEX101X: LATEX for Students and Scientists, an online Certificate course conducted by IIT Bombay X, Bombay, 15th July to 15th Dec, 2020.</p> <p>5. B. Kavitha. Successfully Completed and secured Grade B on Green campus, energy and environment management audits an online Certificate course conducted by Nature Science Foundation on 7th to 11th March, 2022.</p> <p>6. B. Kavitha. Successfully Completed the 4 credit online certificate course on Academic writing, conducted by Swayam, Issued on 25.4.2023.</p> <p>ANNUAL REFRESHER PROGRAMMES:</p> <p>1. B. Kavitha. Successfully Completed and secured Grade A in Annual Refresher Programme in Pedagogical Innovations and Research Methodology (Interdisciplinary), online conducted by Swayam, NPTEL, Ministry of Education, Govt. of India, 1st Dec, 2020 to 31st Mar, 2021.</p>	
16	Contact information	:	Mobile	Email ID
			7981750450	Kavithab15@gmail.com
17	List of Publications /Chapters/Books (APA Format)		International Journal Publications	

RESEARCH PAPERS: 25

1. **Bommana, K.**, Nimmanapalli, Y., & Cheruku, A. (2012). In-vitro antibacterial and phytochemical studies of “*Pterolobium hexapetalum* (Roth.) Sant. and Wagh.” A medicinal plant of Nallamalai Hills, Andhra Pradesh. *Journal of Pharmacy Research*, 5(5), 2750-2757. ISSN NO: 0974-6943.
2. **B. Kavitha***, N. Yasodamma, C. Alekhya (2013). Antifungal Activity of “*Pterolobium hexapetalum* (Roth.) Sant. and Wagh”. *Indo American Journal of Pharmaceutical Research*, 3(10), 8408 -8414, ISSN NO: 2231-6876.
3. N. Yasodamma*, **B. Kavitha**, C. Alekhya (2013). Antioxidant activity of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. *International Journal of Pharmacy and Pharmaceutical Sciences*, 06(03), 143-147, ISSN NO: 0975-1491.
4. **B. Kavitha***, N. Yasodamma, C. Alekhya (2014). Antidiarrhoeal activity of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. Leaf and Fruit extracts on Castor oil induced diarrhoea. *Indo American Journal of Pharmaceutical Research*, 04, (08), 3355-3359, ISSN NO: 2231-6876.
5. **B. Kavitha***, N. Yasodamma, D. Chaitra (2014). Antiulcer activity of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. Leaf and Fruit Extracts on pyloric ligated rats. *Indo American Journal of Pharmaceutical Research*, 04(01), 212-219. ISSN NO: 2231-6876.
6. N. Yasodamma*, **B. Kavitha**, and C. Alekhya (2014). Phytochemical screening and Antibacterial activity of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. Flower and Fruit extracts. *Weekly Science Research Journal*, 02(15), 1-10, ISSN NO: 2321-7871.
7. **Kavitha B.** and Yasodamma* N. (2016). Pharmacognostic studies of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. *World journal of pharmaceutical research*, 05, (05), 991-1017, ISSN NO: 2277-7105.

8. S. Mahesh, P. Aleem Basha and **B. Kavitha*** (2017). Isolation and characterization of bacteria isolated from municipal sewage water of Nandyal, Kurnool, AP. *Asian Journal of Microbiology, Biotechnology & Environmental Science*. 19(03), 786-791. ISSN NO: 0972-3005.
9. Thamidela Sirisha, Pinjari Aleem Basha and **B. Kavitha*** (2017). Isolation and characterization of Pathogenic Bacteria from Kundu River water of Nandyal, Kurnool, AP. *India. Journal of Applied Sciences*, 17(09), 475-481, ISSN NO: 1812-5654.
10. **B. Kavitha***, N. Yasodamma, and E. Srinivasulu Reddy (2017). Antipyretic activity of *Pterolobium hexapetalum* (Roth.) Sant. and Wagh. Stem bark extracts. *Journal of Advanced Pharmacy and Educational Research (SPER)*, 07 (03), 1-3, E-ISSN NO: 2249-3379.
11. **B. Kavitha***, P. Mallikarjuna Reddy (2018). Advantages and Disadvantages on GST in India, *Paramount Publishing House*, PP: 21-24, ISBN NO: 978-93-85100-91-8.
12. **B. Kavitha***, M. Sonia Rani (2018). "Preliminary phytochemical screening and Anthelmintic activity of leaves of *Indigofera mysorensis* Rottler ex dc." *Journal of pharmacy research*, 12, (06), 871-874. ISSN NO: 0974-6943. (Elsever).
13. **B. Kavitha***, M. Sonia Rani and M. Khajapeer (2018). Physico chemical analysis and antimicrobial activity of *Indigofera mysorensis* rottler ex dc. *Journal of Emerging Technologies and Innovative Research*, 05(08), 598-606. ISSN-2349-5162.
14. **B. Kavitha***, R. Srikala and U. Thikka swami. (2018). "A survey and documentation on the flora of Dr. YSR Smruthi Vanam a conservative area near Nallakalva village, Atmakur mandal, Kurnool, Andhra pradesh, India." *J. Bio. & Env. Sci*, 13(2), PP. 373-380. ISSN: 2220-6663.
15. S. Shaheen, M. Khajapeer and **B. Kavitha*** (2018).

		<p>Pharmacognostical studies and antimicrobial activity of the leaves of <i>Sophora interrupta</i> Bedd. <i>International Journal of Pharmacy and Biological Sciences</i>, 08(04), 935-947. ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online).</p> <p>16. Somashekar S1, Venkatachandrudu M2, Kavitha B2 and Ranganayakulu GS2* (2019). A Study on Heavy Metal Accumulation in <i>Spinacia Oleracea</i> L.Grown in Hundri River Bank in Kurnool. <i>International Journal of Pharmacy and Biological Sciences</i>, 09(1), 612-615. ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online)</p> <p>17. B. Kavitha* M. Jayanthi and M. Sailaja (2019). Pharmacognostical and anthelmintic activity of <i>Tephrosia calophylla</i> Bedd. <i>International Journal of pharmacy and Biological science</i>, 09(01), 242-249. Online ISSN: 2230-7605, Print ISSN: 2321-3272.</p> <p>18. Vishnuvardhan K, Bommana K and Nimmanapalli Y: (2020). Phytochemical screening, silver nanoparticle synthesis and antibacterial studies on the leaves of <i>Aeschynomene aspera</i> L. <i>International journal of pharmaceutical sciences and research</i>, 11(1), 451-63. doi: 10.13040/IJPSR.0975-8232.11(1).451-63. E-ISSN: 0975-8232; P-ISSN: 2320-5148.</p> <p>19. Vishnuvardhan K, Bommana K and Nimmanapalli Y: (2020) Synthesis of Silver nanoparticles using <i>Aeschynomene indica</i> L. aqueous leaf extract and evaluation of its antibacterial activity. <i>J. Biochemical Tech</i>, 11(1), 1-13. ISSN: 0974-2328.</p> <p>20. B. Kavitha* Phytochemical and Antimicrobial Screening of leaf and tuber extracts of <i>Tephrosia calophylla</i> Bedd. (2021-11-27). <i>Journal of pharmaceutical research international</i>, 33(52A), pp. 105-114. doi: 10.9734/jpri/2021/v33i52A33564.</p> <p>21. Nimmanapalli Yasodamma* Gorantla Ramakrishna^a Mulla Kaja Peer^b Bommana Kavitha^c Synthesis and Characterization of Copper Oxide nanoparticles from aqueous extract of <i>Cyanotis tuberosa</i> (ROXB.) SCHULT. & SCHULT.F. and analysis of antioxidant, antimicrobial and anticancer activity.</p>
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		<p>(2021-12-04). <i>Journal of pharmaceutical research international</i>, 33(53A), 138-158,</p> <p>22. Guttapadu, R., Katte, T., Sayeeram, D., Bhatia, S., Abraham, A. R., Rajeev, K., Amara, A. R. R., Siri, S., Bommana, Kavitha., Rasalkar, A. A., Malempati, R., Mustak, M. S., Narayanan, P., & Reddy, S. D. N. (2023-02-02). Identification of novel biomarkers for lung squamous cell carcinoma. <i>3Biotech</i>, 13(2), 72. https://doi.org/10.1007/s13205-023-03489-z.</p> <p>1Dr.D.Ravikumar, 2Dr. B. Kavitha, 3Mekala R, 4D.Sasikala, 5P. Dineshkumar, 6Dr.Vijayalakshmi. P, 7Dr. M. Monisha. (2023-14-02). Classification Of Oral Squamous Cell Carcinoma Using Convolutional Neural Networks And Binary Particle Swarm Optimization On Oral Histopathological Image. <i>Journal of Pharmaceutical Negative Results</i>, Volume 14, Regular Issue 02, pp.405-414. SCI, Scopus, Web of science and Q4 Multidisciplinary journal. (SJ. 0.13).</p> <p>23. Dr. B. Kavitha*, S. Komalabai, C. Savitha, B. Mahesh. (2024-07). "Hydroponic propagation of selected micro greens and their estimation of protein content". <i>African Journal of biological sciences</i>, Vol.6 (13), pp.1369-1379. ISSN: 2663-2187. (Elsevier, Scopus Q4, SJR-0.14). doi: 10.33472/AFJBS.6.13.2024.1369-1379.</p> <p>24. Shaik Madarvali, Dr. B. Kavitha*, and Dr. K. Venkata Ratnam. (2024-11). "Tree diversity and documentation of Rayalaseema University, Kurnool, Andhra Pradesh, India." <i>African journal of biological sciences</i>, Vol.6 (15), pp 14574-14588. doi: 10.48047/AFJBS.6.15.2024.14575-14588.</p> <p>25. Dr. B. Kavitha* and Shaik Basha (2024-12). A Weed diversity and Comparative Allelopathic effects of extracts of <i>Trianthema portulacastrum</i> L., <i>Portulaca oleracea</i> L. and <i>Boerhavia diffusa</i> L. on seed germination and seedling growth of <i>Hibiscus cannabinus</i> L. <i>Current agricultural Research journal</i>, Vol.12 (3), pp -1249-1256. ISSN: 2347-4688, doi : http://dx.doi.org/10.12944/CARJ.12.3.19.</p>
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Conference Proceedings

26. **B. Kavitha***, P. Mallikarjuna Reddy (2018). Advantages and Disadvantages on GST in India, *Paramount Publishing House*, PP: 21-24, ISBN NO: 978-93-85100-91-8.
27. **B. Kavitha***, M. Nirmala (July 22, 2018). "Anthelmintic activity of leaves of *Sophora interrrputa* bedd." 2nd *IOCBS. Rayder Publication*, 82-87. ISBN: 978-81-934141-1-8.
28. Kavitha, B. "Pharmacogonostical, Phytochemical, and Anti-microbial activity of Leaves of *Ficus mollis vahl*." *Journal of Pharmaceutical Negative Results* (2022-11-04):13, (S08), 911-924.

BOOK: 01

29. **N.Yasodamma & B.Kavitha** (2016). Evaluation of Biological Activities and Phytoconstituents *Pterolobium hexapetalum* (Roth.) Sant. and Wagh, *Lambert Academic Publisheing*, ISBN NO: 978-3-659-90334-2.

BOOK CHAPTERS: 8

30. **B. Kavitha*** and N. Yasodamma. 2023-July. Bio actives and Pharmacology of *Pterolobium hexapetalum* (Roth) Santapau & Wagh. Bio actives and Pharmacology of Legumes. Chapter 36, Apple Academic Press, Inc. Canada, **Hard covers ISBN: 9781774911266, Soft cover ISBN: 9781774911273, ebook- ISBN: 9781003304555.**
31. **B. Kavitha*** and N. Yasodamma. 2023-Aug. Bio actives and Pharmacology of *Cycas beddomei* Dyer. Chapter 54, Photochemistry and Pharmacology of Medicinal Plants (Volume 01) 2-volume set Apple Academic Press, Inc. Canada. **ISBN: 978-1-77491-562-2(hbk), ISBN: 978-1-77491-563-9(pbk).**
32. **B. Kavitha*** and N. Yasodamma. 2023-Aug. Bio actives and Ethno pharmacology of *Pittosporum napaulense* (DC.) Rehder & E.H. Wilson. Chapter 59, Phyto chemistry and

		<p>Pharmacology of Medicinal Plants (Volume 01) 2-volume set, Apple Academic Press, Inc. Canada. ISBN: 978-1-77491-564-6(hbk), ISBN: 978-1-77491-565-3(pbk).</p> <p>33. K.S.Shanthi Sree ^{1*}, B.Kavitha ², A. Suvarna Latha ³ and P. Lakshmi Padmavathi ⁴. 2023-July. Phytochemical and Pharmacological activities of <i>Senna hirsuta</i> (L.) H.S.Irwin & Barneby. Chapter 28, Bio actives and Pharmacology of Legumes, Apple Academic Press, Inc. Canada. Hard cover ISBN: 9781774911266, Soft cover ISBN: 9781774911273, ebook- ISBN: 9781003304555.</p> <p>34. K.S. Shanthi Sree ^{1*}, A. Suvarna Latha ² P. Lakshmi Padmavathi ³ D. Bharathi⁴ and B.Kavitha ⁵. 2023-July. A Review on Bio Actives and Pharmacological activities of <i>Senna occidentalis</i> L. Chapter 34, Bio actives and Pharmacology of Legumes, Apple Academic Press, Inc. Canada, Hard cover ISBN: 9781774911266, Soft cover ISBN: 9781774911273, ebook- ISBN:9781003304555.</p> <p>35. B. Kavitha* and N. Yasodamma. 2023-July. Bio actives and pharmacology of <i>Aeschynomene aspera</i> L. and <i>Aeschynomene indica</i> L. Chapter 37, Bio actives and Pharmacology of Legumes, Apple Academic Press, Inc. Canada Hard cover ISBN: 9781774911266, Soft cover ISBN: 9781774911273, ebook ISBN: 9781003304555.</p> <p>36. B. Kavitha* and N. Yasodamma. 2023-Aug. Bio actives and Pharmacology of <i>Curcuma neilgherrensis</i> Wight. Chapter 11 Phytochemistry and Pharmacology of Medicinal Plants (Volume 02) 2-volume set, Apple Academic Press, Inc. Canada. ISBN: 978-1-77491-562-2(hbk), ISBN: 978-1-77491-563-9(pbk).</p> <p>37. B. Kavitha a Review on hydroponic farming of <i>Stevia rebaudiana</i> on (Bertoni) Bertoni (Natural sugar plant). Advances in Biosciences, Edition I, ISBN: 978-81-19042-88-3, June 2023, Shanlax Publications, Madurai, Tamil nadu, India.</p>
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18	Profile ID's	ORCID: https://orcid.org/0000-0002-0620-3664 Google Scholar Profile Link: https://scholar.google.co.in/citations?user=roDQMz0AAAAJ&hl=en VIDWAN Profile ID: 317871
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SIGNATURE OF FACULTY