

Dr. A. Indira Priyadarsini



Designation: Assistant Professor

Department: Botany

Email: darshinibharath@gmail.com

Expertise: Taxonomy, Biodiversity studies, pharmaceutical chemistry, Medicinal Botany, Pharmacological evaluations of plants.

Education:

Degree	Name of the Board/University	Title	Year of award
Ph.D.	Bharathiar University, Coimbatore (Ranked 13th among Indian Universities)	Studies on Phytodiversity of Sri Penusila Narasimha Wildlife Sanctuary, Andhra Pradesh Along with Pharmacological Evaluation of Plants, <i>Oroxylum Indicum</i> and <i>Strychnos Colubrina</i> .	2020
M.Tech (Biotechnology)	JNTU, Kukatpally, Hyderabad.	Isolation and partial purification of an Alkaline Protease from a novel soil Isolate.	2009
NET/CSIR	CSIR-HRDC	Life Sciences	2003 & 2004
M.A. (Public Administration)	Andhra University, Vizag.	Urban Local Government in India	2003
M.Sc., (Botany)	Acharya Nagarjuna University, Guntur	Cytogenetics & Plant Breeding	2002

• **Work experience:**

Designation	Name of the Institution	Year of work
Government Lecturer	KRK Govt. Degree College, Nagari, Chittoor Dt.	2021 Oct-Till date
Government Lecturer	SVA Govt. Degree College, Srikalahasti (M), Chittoor Dt.	2015-2021
Government Lecturer	KVR Govt. Degree College(W), Kurnool.	2012-2015
Junior Lecturer	SGSR JR. college, kollipara, Guntur	2002-2007

Research Expertise:

- Taxonomical and Phytodiversity studies, Ethno-Medico-Botanical surveys, Hepato protective, Anti-inflammatory, Anti-microbial, Analgesic, Diuretic, Anti-diabetic, hepato-protective and Antioxidant activities, herb drug interactions and phytochemical studies.

- **Research Funding (completed):**

<i>Title of the project</i>	<i>Name of the funding agency</i>	<i>Duration</i>
Screening for anti-microbial properties of some medicinal plants against some microbes and photochemical testing of the plant extracts along with isolation of alkaloids.	UGC(Minor Research project) (3 lakhs)	2 years (2014-16) (completed)

- **Selected Publications:**

1. Pharmacological Evaluation of *Strychnos colubrina* L., an endangered medicinal plant (International Journal of Botany Studies) 2021, 6, (5),(Page No.1475-1484) ISSN: 2455-541X
2. The Impact of COVID-19 on cancer care(Journal of Emerging Technologies and Innovative Research) 2021, 08,(9).ISSN: 2349-5162
3. Sustaining quality in higher education (International Journal of Multidisciplinary Educational Research) 2020, 09, 08(3). ISSN:2277-7881
4. Report on antidiabetic, diuretic, and analgesic activities of methanolic extract of leaves of *Strychnos colubrina* L.an endangered medicinal plant (International Journal of Scientific Research and Review)2019,08(04), 397-409. ISSN:2279-543X
5. Traditional medicinal plant diversity of Siddeswaram sacred grove in Veligonda hill range,Eastern ghats(Journal of tropical forestry) 2018,34(04)37-43.ISSN:0970-1494
6. Mangrove Diversity of Southern East Coast of Andhra Pradesh, India(International Journal of Engineering Research & Technology) 2018,07(07),333-337. ISSN: 2278-0181
7. Phytochemical analysis of *Oroxylum indicum* leaf Extracts along with screening for antimicrobial and Antioxidant properties (International Journal of Innovative Pharmaceutical Sciences and Research)2017,05 (11), 53-70.ISSN:2347-2154
8. Traditional Medicinal Plant Diversity of Penusila Narasimha Wildlife Sanctuary, Eastern Ghats, (Andhra Pradesh American Journal of Ethnomedicine)2017,04(1:3),1-9. ISSN:2348-9502 (DOI: 10.21767/2348-9502.100003)
9. Ethnobotanical study of Sri Penusila Narasimha swamy Wildlife Sanctuary, Eastern ghats, Andhra Pradesh (International Journal of Latest Trends in Engineering and Technology)2017,8(2),241-253. ISSN:2278-621X (DOI: <http://dx.doi.org/10.21172/1.82.032>)
10. Ethnobotanical study on Rapur-Chitvel Ghat, Eastren ghats,Andhra Pradesh(International journal of Engeneering Reasearch&Technology)2017,06(03),69-72.ISSN:2278-0181
11. Phytodiversity Conservation of Pulicat Lagoon, Eastcoast of Southren India. (Journal of Conservation Biology. Photon) 2016(117), 465-489. ISJN: 8423-2468

12. Studies on antimicrobial activity of *Acalypha indica* along with preliminary phytochemical screening(International journal of life sciences and pharma research)2015,05(03),L-34 TOL-38.ISSN:2250-0480
13. Evaluation of antimicrobial activity of *Aervalanata* along with preliminary phytochemical screening(International research journal of pharmacy),2015, 06(06),374-376. ISSN:2230-8407
14. Antimicrobial activity and preliminary phytochemical screening of *Abutilon indicum*(International journal of pharmacy and biological science),2015,05(02),06-10. ISSN:2230-7605
15. Studies on antimicrobial activity of *Achyranthes aspera* along with preliminary phytochemical screening(International journal of institutional pharmacy and life sciences),2015, 15(3)140-148.ISSN:2249-6807
16. Antimicrobial activity and phytochemical evaluation of *Clitoriaternatea* (International journal of science and research), 2015,04(05).ISSN: 2319-7064
17. Consanguinity among the muslim population of Kurnool town (International journal of science and research), 2015,04(04),ISSN: 2319-7064
18. Evaluation of *Boerhaaviadiffusa* for hepatoprotective activity in experimental wistarrats(International journal of pharmacy and biological sciences), 2015,05(01),115-122. ISSN: 2230-7605
19. The effect of Air pollution on some biochemical factors of some plant species growing in Hyderabad(International journal of pharma and bio sciences) 2015, 06(01),1349 – 1359.ISSN:0975-6299
20. Hypolipidemic and anti-inflammatory activity of *Boerhaaviadiffusa* in isoproterenol-induced myocardial Infarcted rats (International journal of pharma and bio sciences), 2015, 06(02), 1 – 10. ISSN:0975-6299
21. Canna indica (L.): A plant with potential healing powers: a review (International journal of pharma and bio sciences), 2015,06(02), 1 – 8.ISSN:0975-6299
22. In vitro micropropagation of *Senna alata* - an ethnomedicinal plant through embryoculture (International journal of pharmaceutical, biological and chemical sciences), 2012,01(03),01-13. ISSN: 2278 - 5191
23. In vitro micropropagation of medicinal plant *Oroxylum indicum* -1(International journal of pharmaceutical research and biomedical analysis), 2012, 01(02), 11-25. ISSN: 2278-2664

● **Books published:**

1. Studies on Phytodiversity of Sri Penusila Narasimha Wild-Life Sanctuary, Andhra Pradesh, along With Phytochemical Evaluation of plants, *Oroxylum indicum* and *Strychnos colubrina*(Dr.A.IndiraPriyadarsini)April 2021, ISBN: 978-93-5437-520-0
2. Medicinal plants research (A. Indira Priyadarsini), April 2020,ISBN:978-93-5406 -375 – 6
3. Biodiversity Conservation of Seshachalam Biosphere Reserve, Andhra Pradesh (SARAbookpublications) APRIL 2018,ISBN:978-1-73028-152-5
4. Floristic studies of Sriharikota,Irkkam ,Venaduand Pernadu Islands of Pulikat Lake of SPSR Nellore District-Andhra Pradesh (SARA PUBLICATIONS) JUNE 2017,ISBN:978-1-73038-577-3

- **Chapters published:**

1. Novel aspects in Nanotechnology,(Agrobios (India)),2019, ISBN:978-81-939255-5-3
2. Bioremediation and pollution prevention by using compost – a review(Proceedings:UGC-SERO – sponsored national conference on“biodiversity, environment hazards –therapeutic approaches and drug design),26 -27th, July 2014, ISBN:978-93-84648-32-9
3. Cardioprotective effect of ethanolic extract of *Boerhaaviadiffusa* on Isoproterenol-induced myocardial infarction in wistarrats("Proceedings: UGC-SERO– sponsoredNational conference on“biodiversity, environment hazards –therapeutic approaches and drug design),26 -27th, July 2014,ISBN:978-93-84648-32-9
4. Changes in the levels of no and dna damage in women withNeural tube defect children, (Proceedings:UGC-SERO – sponsoredNational conference on“biodiversity, environment hazards –therapeutic approaches and drug design),26 -27th, July 2014, ISBN:978-93-84648-32-9

- **Google scholar IP address (Reference for all publications)**

Google Scholar: <https://scholar.google.co.in/citations?user=M9kl1KoAAAJ&hl=en>

- **Some of the Conferences/Seminars/Symposia attended:**

- Presented a paper on *Bio medical waste management issues and challenges*, at National Seminar on Trends in Hospital Waste Management-Need of the hour SKR Govt.Degree college Gudur,SPSR Nellore,Andhra Pradesh. 8-9 OCT 2012
- Presented a paper on Anthropogenic impact on environment and bioremediation at International conference on Anthropogenic impact on environment and bioremediation ICAIEB2012 ICAIEB2012/Department of Zoology,Sri VenkateswaraUniversity,Tirupathi 26th-28th November 2012
- Presented a paper on Environmental biotechnology-new approaches and applicationsat National symposium on current trends in biotechnology, Department of botany, Osmania University Hyderabad 7-8 DEC 2013
- Presented a paper onDrug discovery -HIV-1 Protease inhibitor at International conference on pharma transpire-2014 Creative educational society college of pharmacy,Chinnatekur, Kurnool 30-31 JAN 2014
- Participated in National seminar on present status of modern biotechnology and their applications Department of Biotechnology, School of herbal studies and Naturo sciences 27-29 MARCH 2014
- Participated in National conference on natural products research Creative educational society college of pharmacy, Chinnatekur, Kurnool 19 -20 JULY 2014
- Presented a paper on Allergy &Immunityat National seminar on nutrition &immunity Govt. Degree College,dept of botany,Naidupet,SpsrNellore.18 -19 JULY 2014
- Presented a paper on Bioremediation And Pollution Prevention By Using Compost-A Review, at National conference on biodiversity,environment hazards-therapeutic approaches and drug design Dept.of Zoology,govt.degree college(w),Srikalahasti. 26 -27 JULY 2014
- Presented a paper on Water Pollution,Causes And Control. at National seminar on impact of climate change of food water& environmental security. Dept.of Zoology DKWGovt Degree & PGCollege, Nellore. 31-7-2014To 1-8-2014

- Participated in State level seminar & special lecture workshop on quality sustenance in higher education-issues & insights SKR GDC,Gudur 18- SEP 2014
- Presented a paper on Role Of Endemic Species In National Prosperity at National seminar on biodiversity conservation the national prosperity Prr& vs Govt Degree College, Vidavalur, SPSR Nellore 23-24 SEP 2014
- Presented a paper on Nutraceuticals - A Gift Of Nature at National Symposium On "Natural Products And Biodiversity: Our Insurance For The Future" GDCMEN, KURNOOL,&SCIENCE TECH FOUNDATION.,A.P., 12-12-2014
- Presented a paper on Renewable Energy at A two day National Seminar On Green Chemistry-Contribution To Environmental Sustainability KVR GDCW, KURNOOL, A.P. 28/1/2015 To 29/1/2015
- Presented a paper on "The Transformation Of An Orthodox Colony Into An Advanced Nation: India In Comparative Perspective – A Review" at A two day National Seminar On Innovations In Science Education :A Research Oriented Approach/2/2015 To 3/2/2015
- Presented a paper on "Nano Biotechnology-A New Era In Science" at National Seminar On New Horizons In Biotechnology KVR GCW, KURNOOL, A.P. 9/2/2015 To 10/2/2015
- Presented a paper on "Yoga- Essence of Life" at A two day National Seminar On Role Of Sports & Nutrition –Its Impact On Personality Development KVR GDCW, KURNOOL, A.P. 18/2/2015 To 19/2/2015
- Presented a paper on "Environmental pollution – A great hazard for globalised world- A Review" at UGC Sponsored National Seminar On Socio-Economic Factors Influencing- Environmental Pollution, Biodiversity & Sustainable Development Department of History, Govt. Degree College, Nagari, A.P. 25/7/2015 And 26/7/2015
- Presented a paper on "Mass Spectrometry In Drug Discovery And Development" at PHARMA APOTHECIS- 2015 Creative educational society's college of pharmacy, NH-7, Chinnatekur, Kurnool, A.P. 22/8/2015
- Presented a paper on "Emerging Perspectives Of Environment And Disaster Risk" at UGC Sponsored National Seminar On –IEMAEI-2015 Department of Zoology, P.V.K.N College, Chittoor, A.P. 15-16/12/2015
- Presented a paper on "Studies On Antimicrobial Activity Of Phyllanthus Amarus Along With Preliminary Phytochemical Screening" at A One Day National Symposium On Prospects & Potentials In Medicinal & Aromatic Plants Department of Botany, Govt. Degree College Ananthapuram 19/12/2015
- Presented a paper on "Impact of pollution on aqua forms." At District level seminar on Coastal Aquaculture and Environmental Issues. Department of Botany and Zoology, PRR&VS Govt Degree College, Vidavalur, SPSR Nellore, A.P. 17 Feb 2016
- Participated in UGC Sponsored District level Seminar & Workshop on students counselling system Internal quality Assurance cell and district resource centre, SKR Govt. Degree College, Gudur, SPSR Nellore, A.P. 26 Feb 2016
Presented a paper on "Women role in minor forest products" at ICSSR sponsored National seminar on non timber forest products for livelihood security of tribal communities in India, Govt Degree & P.G. College, Nagari. National 22&23 rd October 2016
- Participated in District level workshop on medicinal Botany Govt. Degree College, Rampachodavaram held on 28 th October 2016

- Participated in UGC sponsored teacher enrichment program ,Two day National workshop on Impact of climate change on environment Jawahar Bharathi Degree college, Kavali ,Nellore 9 th&10 November 2016
- Presented a paper on “Its all about cancer Biology” RUSA & SERB sponsored two day national seminar on cancer biology, by Department of Botany ,S.J.Govt Degree.College ,Kurnool 9& 10 December 2016
- Participated in Science Academies lecture workshop on Recent Advances in plant Taxonomy and conservation Biology Government college for Men,Kurnool 16-17 December 2016
- Participated in UGC SERO sponsored two day national seminar on Wild life conservation - endangered species ,organized by Department of Zoology,Govt. Degree College for men,Kdapa,A.P National 20 &21 January 2017
- Presented a paper on ”Global Warming: News, Facts,Causes & Effects:A review” UGC sponsored two day national seminar on Global warming and its impact,SML Govt degree college,Yemmiganur,Kurnool National 27&28 february 2017
- Participated in Indian science congress Indian science congress ,S.V.University,Tirupati National 3 rd to 7 th March 2017
- Participated in National level seminar on Impact of Globalization on women KVR GC(W)(A), Kurnool 28 Sep 2018
- Participated in a National level seminar & presented paper on Wood wide web-An underground net work of trees-A review, at Govt. Degree & PG College, Puttur on 27/09/2019
- Participated in University level seminar & presented paper on Phytodiversity of Penchalakona-Nellore Dist. At PRR&VS GDC, Vidavalur, Nellore on 19/10/2019
- Participated in International level seminar & Presented a paper on Current research in microplastic pollution, SV University, Tirupati on 24-26/12/2019
- Participated in University level seminar & presented paper on Algal feed for fishes-a review, at PRR&VS GDC, Vidavalur, Nellore on 30/01/2020
- Participated in University level seminar & presented paper on Biofuel from green algae-A review. PRR&VS GDC, Vidavalur, Nellore on 12/02/2020
- Participated in University level seminar & presented paper on Solid waste management methods SVSSC GDC, Sullurpet, Nellore on 17/02/2020

Honors, Memberships:

- **Received** Gold Medal for securing highest marks in MSC., Botany., at Acharya Nagarjuna University.
- Member BOS, U.G, Botany, SV University, Tirupathi ,Since 2018
- Paper setter for U.G., Botany.