

## Biodata of Applicant

Name of the applicant : Dr. Madhuri Vajha

W/o. Dr. C. Siva Rama Krishna, Sr. Scientist, Laila nutraceuticals,  
Vijayawada

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Date of birth : 06.06.1968

### Academic record

:

MSc (Life sciences, Hyderabad Central University)

MPhil (Biotechnology, University of Delhi)

PhD (Biotechnology, Acharya Nagarjuna University)

### Thesis title for PhD

**Comparative phytochemical, molecular and bioactivity studies on selected species of *Caralluma* R.Br. and *Boucerosia* Wight & Arn.**

### Thesis title for MPhil

**Shoot apical meristem culture in *Capsicum annum***

Degree	Institution/ University	Year of passing	Major subjects	Division
BSc	Govt Womens college, Guntur	1989	Botany zoology chemistry	First class
MSc	Hyderabad Central University	1991	Life sciences	First class
MPhil.	University of Delhi	1993	Biophysics, Immunology, Plant biotechnology	First class
PhD	Acharya Nagarjuna University	2013	Biotechnology	Awarded

Whether passed any examination conducted by NET, GATE, UGC, and ICAR :

Yes, UGC NET qualified

13. Professional / employment record if any : Yes

14. Total PG teaching experience: 15 years

Total UG teaching experience: 3 years

Total Industrial experience: 2 years

Designation	Employers Name	Year	Job description
Lecturer	Siddhradha college, Guntur	1993-94	Jr. Inter students
Head	SSRJ Degree college Khammam	1994-96	Taught Genetics, Microbiology Biochemistry for degree students
Teaching assistant	Acharya Nagarjuna University	1996-98	Taught for Msc. Biotechnology students
Sr. Teacher	Indore public School	1998-2000	For XI & XII students
Jr . Scientist	Laila Impex, Pharma Company, Vijayawada	2001-2003	Research
Lecturer & Head of the Dept. of Biotechnology	Andhra Loyola College, Vijayawada	2003 - 2009	Taught for Msc. Biotechnology & Botany students
Academic Consultant	Krishna University.Machilipatnam	2011- continued....	Teaching

#### List of publications

1. Madhuri Vajha, Siva Rama Krishna Chillara. (2014). Evaluation of cytotoxicity in selected species of *Caralluma* and *Boucerosia*. Asian Journal of Plant Sciences Research. 4(4), 44-47.

2. Madhuri Vajha, Siva Rama Krishna Chillara. (2014). Evaluation of cellular antioxidant activity of selected species of *Caralluma* and *Boucerosia* on cell lines. *International Journal of Applied Sciences and Biotechnology*. Vol 2, No 1. (83-7).
3. Madhuri Vajha, Murthy KSR. (2014). Evaluation of anti proliferative properties of selected species of *Caralluma* and *Boucerosia* on skin cancer cell lines. *European Journal of experimental Biology*. 4(1): 160-167.
4. Madhuri, V., Amrutha. V.A. and Murthy, K.S.R. Siva Rama Krishna, C. (2014). Evaluation of antiadipogenesis activities of selected species of *Caralluma* R.Br., *Boucerosia* Wight & Arn. and pregnane steroid on cell lines. *International Journal of Plant sciences Research*. 5(5): 1919-1923.
5. Amrutha V. Audipudi, P.Hari Brahma Redy, Madhuri Vajha, C.V.S Bhaskar. Evaluation of Anti-Arthritic and Immunostimulatory Activities of Chloroform Extracts of Leaves of *Vitex negundo* L. *International Journal of Pharmacognosy and Phytochemical Research* 2014; 6(2); 194-19
6. Madhuri, V., Amrutha. V.A. and Murthy, K.S.R. (2011). Biochemical study of *Caralluma* sps to understand species homology. (ISSN 0976-4550). *Int. J. Appl. Bio. Pharma. Tech.* 2: 140-144.
7. Madhuri, V., Amrutha, V.A. and Murthy, K.S.R. (2011). Evaluation of Immunostimulating activities of *Caralluma* spp. *International Journal of Pharmacognosy and Phytochemical Research*. 1: 1-4.
8. Madhuri, V., Amrutha. V.A. and Murthy, K.S.R. (2011). DNA fingerprinting profile of *Caralluma* species: an approach to molecular taxonomy. *Asian J. Biochem. Pharma. Res.* 1: 501-506.
9. Sri Rama Murthy, K., V. Madhuri, S. Emmanuel and T. Pullaiah (2006). Polyembryony in *Rhynchosia hirta* (Andr.) Meikle & Verdc. *Indian Journal of Forester*. **13**: 103-194.
10. Reddy, K. N.; Madhuri, V.; Subbaraju, G. V.; Hemadri, Koppula, (2005). Ethno-therapeutics of certain Ayurvedic Medicinal Plants of Kondapalli Fort, Andhra Pradesh. *Indian Forester* 131(3): 442-448.
11. Madhuri V & Rajam MV. **1993**. Apical shoot meristem culture in red pepper (*Capsicum annum* L.). *J. Plant. Biochem. Biotech.* 30 : 538-54.

#### Conferences

1. Madhuri Vajha (2014). Biodiversity, bioactive compounds, natural medicine and human health: where do they meet in *Caralluma* and *Boucerosia*? **Global summit on**

emerging science & technologies: Impact on Environmental Human Health. Vikram Simhapuri University, Nellore. 01-03 Aug,2014.

2. Madhuri Vajha (2014). Applications of ethnobotanical indices of *Caralluma* and *Boucerosia* against common metabolic disorders. **National** seminar on conservation of mangrove ecosystem in India present status and future perspective at Acharya Nagarjuna University. Held on 21<sup>st</sup>-2<sup>nd</sup> July, 2014.
3. Madhuri Vajha. Drug discovery from plant sources: An integrated approach. **National** Conference on Modern approaches to the conservation of medicinal plants. 27<sup>th</sup> - 28<sup>th</sup> Jan, 2014 held at Andhra Loyola college, Vijayawada.
4. Madhuri Vajha<sup>1</sup>, AmruthaVAudipudi<sup>2</sup>, K.S.R. Murthy<sup>3</sup>, C. Siva Rama Krishna. Evaluation of antioxidant potential of *Caralluma* species. (iepng2013) **International** Symposium on Environmental Pollution, Nutrition & Genetics. 27<sup>th</sup>-29<sup>th</sup> Dec, 2013 held at Vikram Simhapuri University, Nellore.
5. Madhuri Vajha. Detection of adulterants and authentication of Medicinal plants. **International Conference** on Biotechnology in welfare. 7<sup>th</sup> - 9<sup>th</sup> Feb, 2013, Warangal. India.
6. Madhuri Vajha, Amrutha V Audipudi. A paper presented on Isolation of pregnane steroid from *Boucerosia* and evaluation of its antiobesity efficacy on cell lines. **International seminar** on ESMC, 13<sup>th</sup> to 15<sup>th</sup> NOV, 2013 held at Vikram Simhapuri University, Nellore.
7. Madhuri Vajha. Evaluation of antiobesity efficacy of four species of *Caralluma* and two species of *Boucerosia* as well as pregnane steroid on cell lines. 7<sup>th</sup> Annual Convention of ABAP & **International Conference** on Plant Biotechnology, Molecular Medicine & Human Health (October 18-20, 2013), New Delhi.
8. Madhuri Vajha, Amrutha V Audipudi. Differentiation of selected species of *Caralluma* and *Boucerosia* using LC MS chromatogram. **AP Science Congress**, 15<sup>th</sup> 16<sup>th</sup>, NOV, 2013. held at Hyderabad Central University, Hyderabad.
9. Madhuri Vajha<sup>1</sup>, K. Sri Rama Murthy<sup>2</sup> and A. Amrutha Valli<sup>3</sup>. OP-83. Comparative cytotoxicity Studies of Some Species of *Caralluma* and *Boucerosia* **AP Science Congress** - 14-16 November, 2012.
10. Madhuri Vajha, Sudhir, A., Bhaskar C.V.S. and Amrutha, V. A. Classical vs Biotechnological approaches for conservation of medicinal plants with respect to bioactive compounds. **International seminar** on emerging threats and challenges to biodiversity: policy framework for sustainable development. ETCOB 2012. 2-4<sup>th</sup> March, p.131. held at S.V. University, Tirupathi.
11. Madhuri, V., Aruna Reddy, B.S. and Priyanka. P. Importance of chromatographic profile for medicinal plants. pp 109. **National Conference** on current trends in medicinal aromatic plants and plant products. 17<sup>th</sup> and 18<sup>th</sup>, Mar. 2012, held at Osmania University, Hyderabad.
12. Madhuri, V. Venkatesh, Tej kiran and Madhukar. Elicitation of phytotherapeutics from medicinal plants. p.110. **National Conference** on current trends in medicinal aromatic

plants and plant products. 17<sup>th</sup> and 18<sup>th</sup>, Mar. 2012, held at Osmania University, Hyderabad.

13. Madhuri Vajha<sup>1</sup>, Sudhir<sup>2</sup>, Audipudi Amrutha valli<sup>2</sup>. Polymorphism in *Caralluma* species (Asclepiadaceae). **National seminar** & Workshop on emerging trends in molecular diagnosis 15<sup>th</sup>16<sup>th</sup> Nov, 2011 held at Nagarjuna University, Guntur.
14. Madhuri Vajha, Audipudi Amrutha valli. Chemometric methods in quality evaluation of *Caralluma* species (Asclepiadaceae). **National Seminar** on Chemistry of natural products. Held at 28<sup>th</sup>-29<sup>th</sup>Nov, 2011 Krishna University, Machilipatnam
15. Madhuri Vajha. Devices useful for therapeutic applications in Nanobiotechnology. Recent trends in nanobiotechnology in the protection of health and environment. 2<sup>nd</sup> – 3<sup>rd</sup> Mar, 2012. Andhra Loyola college, Vijayawada.
16. Madhuri Vajha. **National seminar** on Food grain processing –astrategic alternative to second green revolution held at IV palace, Vijayawada during 19th to 20th Sept, 2008.
17. Madhuri Vajha. Bioactivities of *Caralluma*. GITAM University and Andhra Pradesh Akademi of Sciences held during 14th 16th Nov, 2011 Gitam University, Visakhapatnam
18. Madhuri Vajha. Stem cells. Participated in Annual Plenary session and symposium on stem cell and regenerative medicine, held 11 NCRM NICHE at Chennai
19. Madhuri Vajha. Bioactivity studies of methanolic extracts of *Caralluma* species. 2nd **International** Seminar on medicinal plants and herbal products held during 27th to 29th Dec, 2010 At S.V.University, Tirupati

## Organised

1. **Vruksha. National seminar at Andhra Loyola college 2006**
2. **Vruksha National seminar at Andhra Loyola college 2007**
3. **Cistron. Work shop for four days at Andhra Loyola college 2008**
4. **Cistron Seminar at Andhra Loyola college 2009**
5. **Seminars at Women cell**