

## PERSONAL PROFILE

Name	Channabasava		
Father`s Name	Amareshappa		
Mother`s Name	Sushilamma		
Date of Birth	1 <sup>st</sup> June 1986	Marital Status	Married
Place of Birth	Giniwar, Sindhanur, Raichur	Caste	Lingayat



## Education Profile

Qualification	Year	University/Institute/Board
<i>K-SET in Life science</i>	2016	UGC - K-SET centre University of Mysore, Mysore
<i>Ph.D. in Botany</i> <i>As per UGC 2009 regulations</i>	2015	Karnatak University, Dharwad, India Ph.D. Thesis: Investigation on Mycorrhization of some rare millets
<i>M.Sc. in Botany</i>	2009	Karnatak University Dharwad, India (71.00%)
<i>B.Sc. (CBZ)</i>	2007	KLE's J. T. College Gadag- Karnatak University Dharwad, India (79.26%)
<i>PUC</i>	2004	K.V.S.R. Comp. College, Gadag, Karnataka, India (61.00%)
<i>S.S.L.C.</i>	2002	Govt. Junior College, Kanakagiri, Koppal, Karnataka, India (67.68%)

## Research Experience

<i>Research Project Fellow</i>	<i>Apr-2010 to Jan -2013</i>	Investigation of AM fungal role in four rare millets of North Karnataka P.G. Department of Studies in Botany, Karnatak University, Dharwad, Dharwad, India
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## Teaching Experience

<i>August 2009 – March 2010</i>	<b>Lecturer in Biology</b> , K.R.C.E.'s B.M.P. Arts and Comm, S.V.S. Science, P.U. College, Bailhongal, Belgaum District, Karnataka, India.
<i>July 2010 to October 2014</i>	Engaged theory and practical classes for the M.Sc. Students, at P.G. Department of Studies in Botany, Karnatak University, Dharwad, India.
<i>October 2014 – April 2015</i>	<b>Lecturer in Botany</b> , J.S.S. Banashnakari Arts and Commerce, S.K. Gubbi Science College, Vidyagiri, Dharwad, Karnataka, India.
<i>June 2015- October 2018</i>	<b>Lecturer In Biology</b> , Prarthana P.U. Science College, Bagalkot, Karnataka, India.
<i>October 2018-</i>	<b>Assistant Professor in Botany</b> , Sri Gavisiddeshwar Arts, Science and Commerce College, Koppal

## Awards & Grants

2013	UGC's BSR Fellowship (RFSMS), New Delhi
2010	UGC-Project Fellowship, New Delhi
2007	Best N.S.S. Volunteer Award, J.T. College, Gadag, Karnataka
2007	Best Boy Award, J.T. College, Gadag, Karnataka

## **Scientific Membership**

- Life member* Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES), Hong Kong, USA.
- Technical Committee member* International conference on Sustainable Environment and Agriculture-2013, and 2014 (<http://www.icsea.org/com.htm>).

## **Research Publications:**

### **Books**

- Lakshman H C and **Channabasava A**: 2014. *Biofertilizers and Biopesticides*. Pointer Publisher, Rajasthan., ISBN: 9788171327751
- Channabasava A** and Benagi K.M. 2017. Sterling Biology Manual for PUC 1st year. Sahukar Publisher, Bagalkot. ISBN: 9789352912285

### **PAPERS PUBLISHED IN SCIENTIFIC JOURNALS**

- Channabasava A.**, Lakshman, H.C. and Muthukumar, T. 2015. Fly ash Mycorrhizoremediation through *Paspalum scrobiculatum* L., inoculated with *Rhizophagus fasciculatus*. Comptes Rendus Biologies. 338 (1): 29-39.
- Channabasava A.**, Lakshman, H.C. and Milko A. Jorquera. 2015. Effect of fungicides on association of arbuscular mycorrhiza *Rhizophagus fasciculatus* and growth of Proso millet (*Panicum miliaceum* L.) plants. Journal of Soil Science and Plant Nutrition. 15(1): 35-45.
- Channabasava A.** and Lakshman, H.C. 2015. Biodiversity of arbuscular mycorrhizal fungi in the rhizosphere of selected millets, South Western India. Nova Hedwegia. 101(1-2): 111-130.
- Lakshman, H.C. and **Channabasava A.** 2015. Analyzing arbuscular mycorrhizal fungal diversity in the rhizosphere of *Guizotia abyssinica* (L.f) Cass. Growing eight districts of North Karnataka. International Journal of Pharma and Bioscience. 6(2):27-35.
- Channabasava A.** and Lakshman, H.C. 2013. Additive Effect of microbial inoculation on Barnyard millet (*Echinochloa frumentacea* (Roxb.) Link.). International journal of Recent Scientific Research. 4(2):155-118.
- Channabasava A.** and Lakshman, H.C. 2013. Diversity and efficacy of AM fungi on *Jatropha curcas* L., and *Panicum miliaceum* L., in mine spoils. Journal of Agricultural technology. 9(1): 103-113.
- Geeta B Patil, Lakshman, H.C. and **Channabasava A.** 2013. Biochemical changes in finger millet variety TANU 914 inoculated with *Rhizophagus fasciculatus*. International journal of current microbiology and applied sciences. 2(8): 303-310.
- Lakshman, H.C. and **Channabasava A.** 2013. Mycorrhizoremediation of mine spoil by using foxtail millet inoculated with *Rhizophagus fasciculatus*: an ex-situ solid waste management. International journal of current science. 8: E 85-92.
- Channabasava A.** and Lakshman, H.C. 2012. AM fungi and mine spoil consortium: A microbial approach for the enhancement of biomass and yield of proso millet. International Journal of Pharma and Biosciences. 3(4): 676-684.
- Channabasava A.** and Lakshman, H.C. 2012. Mycorrhization effect on biomass of four rare millets of North Karnataka (INDIA). International Journal of Agricultural Sciences ISSN: 2167-0447. 2 (8): 235- 239.
- Channabasava A.** and Lakshman, H.C. 2011. Relative efficacy of single and multiple inocula of AM fungi for kodo millet (*Paspalum scrobiculatum* L.)- A rare millet. *Karnataka J. Agric. Sci.*, 24 (3): (309 - 311).

**Channabasava A.** and Lakshman, H.C. **2011.**Development of AM fungi during the growth of *Panicum miliaceum* L. - rare millet. J. microbial world. 13(1):106-111.

Sandeepkumar K., H.C.Lakshman and **Channabasava. A. 2011.** Influence of plant growth promoting microorganisms and AM fungi on some fiber yielding plants. Bulletin of Basic and Applied plant Biology. 1:41-48.

Hosamani P.A., Lakshman H.C., Sandeepkumar K., **Channabasava A.**, Kadama M.A. and Gadi S.B.

**2011.** Synergetic effect between AM fungus and *Rhizobium* in Pigion Pea. American-Eurasian Journal of Sustainable Agriculture. 5(4): 428-432.

### **ARTICLES AS CHAPTERS IN BOOKS**

**Channabasava A.** Lakshman, H.C. and Taranath, T.C. **2015.** Fungal metabolites and their importance. In: Recent Trends in Microbiology, Mycology and plant pathology. Astral Publishers, New Delhi. Pp: 177-196.

Taranath T.C., Lakshman, H.C., S.S. Kamble, **Channabasava A.** And K.P.Kolkar. **2015** Trends in Management of Environmental Issues. In: Trends in Environmental Management. (Ed) A.G. Devi Prasad. Astral Publishers, New Delhi. Pp:231-253.

K.P.Kolkar, Lakshman, H.C.. T C Taranath, S.S. Kamble, A.G. Devi Prasad and **Channabasava A. 2015.** Phytoremediation: A quest for clean and Green environment. In: Trends in Environmental Management. (Ed) A.G. Devi Prasad. Astral Publishers, New Delhi. Pp: 130-146.

Lakshman, H.C., Sandeepkumar K. And **Channabasava A. 2015.** Impact of arbuscular mycorrhiza fungi on plants grown under salt stressed conditions. In: Trends in Environmental Management. (Ed) A.G. Devi Prasad. Astral Publishers, New Delhi. Pp: 219-230.

**Channabasava A.**, Lakshman, H.C. and Ratna V. Airsang. **2015.** Interaction between nitrogen fixers and arbuscular mycorrhizal fungi. In: Fungal Biopesticides and VAM Applications (Ed) P.C. Trivedi. Pointer Publisher Jaipur, Rajsthan. Pp: 129-158.

Ratna V. Airsang, Lakshman, H.C. and **Channabasava A. 2015.** Role of arbuscular mycorrhizal fungi in nutrient uptake. In: Physiology of crop plants (Ed) P.C. Trivedi. Avishkar Publisher and Distributors Jaipur, Rajsthan. Pp: 155-181.

Lakshman, H.C., **Channabasava A.** and Ratna V. Airsang. **2015.** Some Recent techniques to understand arbuscular mycorrhizal fungal functions. In: Fungal Biopesticides and VAM Applications (Ed) P.C. Trivedi. Pointer Publisher Jaipur, Rajsthan. Pp: 173-193.

Lakshman, H.C., **Channabasava, A.**, Kavatagi, P.K., Madagoankar, S.C., Mirdhe, R.M. and Kuarandwad, J.M. **2013.** AM fungal taxonomy: Basic and molecular concepts. In: Arbuscular mycorrhizae in crop production (Ed) Sampat Nehra. Pointer publishers, Jaipur, Rajasthan, India. Pp: 1-19.

Pushpa K. Kavatagi, Lakshman, H.C. and **Channabasava A. 2013.** Diversity of AM fungi on important vegetable crops of Dharwad district-South western part of India. In: Arbuscular mycorrhizae in crop production (Ed) Sampat Nehra. Pointer publishers, Jaipur, Rajasthan, India. Pp: 189-106.

Madagoankar, S.C., Lakshman, H.C., Mirdhe, R.M. Kuarandwad, J.M. **Channabasava, A.** and Kavatagi, P.K. **2013.** Mycorrhizosphere: Interaction between AM fungi with other beneficial microorganisms. In: Arbuscular mycorrhizae in crop production (Ed) Sampat Nehra. Pointer publishers, Jaipur, Rajasthan, India. Pp: 107-133.

Gadi, S.B., Lakshman, H.C. and **Channabasava A. 2013.** Effect of arbuscular mycorrhizal fungi in improvement of alkaline phosphatase activity on *Gloriosa superb* L., under water stress condition. In: Perspectives in Plant Biodiversity (Ed) K.Muthuchelian. Daya publishing house New Delhi. Pp: 193-198.

Lakshman, H.C., Kurandawad, J.M., Madgaonkar, S.C., Mirhde, R.M., **Channabasava A.** and Kavatagi, P.K. **2013.** In recent days, why all are interested on endophytes. In: Applied microbiology, Sampat Nehra (Ed). Pointer Publishers, Jaipur. Pp: 59-100.

Kolkar, K.P., Lakshman, H.C., Taranath, T.C. and **Channabasava A. 2013.** Significance of microbial diversity in maintenance of Ecosystem. In: Applied microbiology, Sampat Nehra (Ed). Pointer Publishers, Jaipur. Pp: 118-134.

Lakshman, H.C., **Channabasava A.** and Ramalingappa. **2012.** Mycorrhizae and their contribution to forest ecosystem. Glimpses of Arbuscular mycorrhiza fungal Research. Lambert Publishing House, Germany. Pp: 43-48.

### **PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS**

**Channabasava A.** and Lakshman, H.C. **2014.** Selection of suitable AM fungus for better growth and biomass yield of *Panicum miliare* Lam. (Little millet). Proceedings of National Conference on Eco-restoration of Derelict mined lands. Pp: 28-35.

**Channabasava A** and Lakshman H.C. **2012.** Efficacy of indigenous AM fungi on growth and nutrient uptake of a ground orchid- *Habenaria marginata* Colber. In: Proceedings of National conference on Frontiers of Plant Sciences for sustainable Agriculture and Rural Development. (Ed) U.N.Bhale. Pp: 86-93.

**Channabasava A.,** Lakshman H.C., Sandeepkumar K. and Kadam M.A. **2012.** Importance of mycorrhizae on plants raised through stem cuttings. In: Proceedings of the National conference on Biodiversity and Biotechnology for sustainable development. Pp: 152-161.

Kadam L.B., Lakshman H.C. and **Channabasava A.** **2012.** Check list of medicinal plants in K.R.C.E's College, Campus Bailhongal, India. In: Proceedings of the National conference on Biodiversity and Biotechnology for sustainable development. Pp: 42-48.

**Channabasava A.** and Lakshman, H.C. **2010.** Mycorrhizal dependency of little millet in the soils of Dharwad district. In: proceedings of State level conference on Biodiversity of Deccan Plateau. Pp: 39-41.

### **CONFERENCE/WORKSHOPS/SEMINARS ATTENDED**

#### **Conference /Seminars:**

**Presented paper (Oral)** in the national conference on Eco-restoration of Derelict mined lands held on 5<sup>th</sup> and 6<sup>th</sup> September, 2014 at KLE's, J.T. College, Gadag, Karnataka, India.

**Presented paper (Oral)** in the national conference on recent trends in biological Sciences held at Department of Botany, Parvatibai Chowgule College of Arts and Science, Margao, Goa, on 18<sup>th</sup> and 19<sup>th</sup> March, 2014.

**Presented paper (Oral)** in the International conference on Environmental Management for sustainable development, held on 20-21 December, 2013 at Karnatak Science College, Dharwad and organized in association with Regional Science Association, Kolkata, India.

**Presented paper (Oral)** in the National Conference on Plant sciences, on 7<sup>th</sup> & 8<sup>th</sup> February, 2013 held at Department of Botany, Parvatibai Chowgule College of Arts and Science, Margao, Goa.

**Presented paper (Oral)** in State level one day seminar on **Present Scenario of Biodiversity and its conservation**, on 19<sup>th</sup> January 2012. Held at S.V.P.Arts, Comm., and Science, College, Badami, Karnataka.

**Presented paper (Poster)** in 100<sup>th</sup> Indian Science Congress Association on 3<sup>rd</sup> to 7<sup>th</sup> January, 2013 held at Calcutta University, Kolkata, West Bengal.

**Presented paper (Oral)** in National conference on **Biodiversity and biotechnology for sustainable development**, on 21<sup>st</sup> & 22<sup>nd</sup> March 2011. Held at P.G. Department of Studies in Botany, Karnatak University, Dharwad.

**Presented a paper (Oral)** in the **National conference on Frontiers of Plant Sciences for sustainable Agriculture and Rural Development** on 28<sup>th</sup> & 29<sup>th</sup> Jan 2011, held at Naldurg, Maharashtra.

**Presented a paper (Oral)** in the **state level seminar on Biodiversity of Deccan Plateau** on 28<sup>th</sup> & 29<sup>th</sup> Oct 2010 held at KLE's J.T. College, Gadag.

Attended two day UGC sponsored **national seminar on protection and promotion of medicinal plants** and **presented paper (poster)** conducted by M.E.S's college, Sirsi, Uttar Kannada.

#### **Workshops/Training programmes:**

UGC Sponsored One day Workshop on "**Recent Advances in Botany Practical's**" held at P.G. Jabin Science, College, Hubballi on 28<sup>th</sup> February 2015.

VGST Sponsored Workshop on “**Techniques in Mycorrhizal Studies**” held on 10<sup>th</sup> March, 2012, at JSS Banashankari Arts and S.K.Gubbi Science College, Vidyagiri, Dharwad, Karnataka.

State level workshop on **using SPSS for research and data analysis** on 2<sup>1st</sup> Nov 2010, held at Kousali Institute of Management, Karnatak University, Dharwad.

Ten days training programme “**Skill Enhancement Training for Global opportunities (SETGO)**” conducted by DBCDB, Govt. of Karnataka and TRF Ujire, on 3<sup>rd</sup>-12<sup>th</sup> Nov, 2006 held at Siddhavana Gurukula Ujire.

**Special Lecture series attended:**

Three days Special lecture series in Botany held at P.G. Department of Studies in Botany, Karnatak University, Dharwad and sponsored by Karnataka State Science and Technology Academy, Bangalore.

Special lecture series in Botany for Research Scholars held at P.G. Department of Studies in Botany, Karnatak University, Dharwad and sponsored by UGC-PURSE Programme, KUD.