

PROFILE



NAME: DR. B.L.MANJULA

DESIGNATION: Professor & Head, Department of Botany
Sri Jagadguru Renukacharya college of Science, Arts and Commerce
Race course road, Bengaluru-9
Email id- manjulastrivats@gmail.com
Contact no.- 9945181890(mobile & whatsapp no.)

EDUCATIONAL QUALIFICATION:

M.Sc, M.Phil., Ph.D in Botany , Bangalore University
1987- M.Sc in Botany (**Gold Medal**)
1995-M.Phil- Studies on epidermis of leaves of angiosperms- Bangalore University
2012- PhD- *In vitro* studies in *Ruta graveolens* L.- Bangalore university

TEACHING EXPERIENCE : 36 years

Lecturer -Vijaya college ,Basavanagudi, Bengaluru 4- (**July 1988-September 1998**).

Assistant Professor- Sri Jagadguru Renukacharya college of Science, Arts and Commerce, Race course road, Bengaluru-9- **PARENT INSTITUTION (September 1998- November 2009)**.

Associate professor- Government First Grade College, Hoskote- (**November 2009- February 2012**), redeployment from the Government.

Associate Professor, KLE's S.Nijalingappa College, Rajajinagar, Bengaluru-10 (**February 2012- September , 2014**), on deputation from the Government.

Professor, KLE's S.Nijalingappa College, Rajajinagar, Bengaluru-10 (**September , 2014- 6th February 2020**), on deputation from the Government. (**Promoted as per UGC norms , based on merit by the government**).

Professor & Head of Department , Sri Jagadguru Renukacharya college of Science, Arts and Commerce, Race course road, Bengaluru-9.

PARENT INSTITUTION - (February 2020 to present)

RESEARCH EXPERIENCE-12 years

Google Scholar ID - <https://scholar.google.com/citations?user=goCLaGMAAAAJ&hl=en>

ResearchGate ID - <https://www.researchgate.net/profile/BI-Manjula-2>

Orcid No.- 0000-0002-4675-8947

RESEARCH PROJECT

PRINCIPAL INVESTIGATOR UGC MRP (XII plan)- “Estimation of Furanocoumarins in *Ruta graveolens* L.”, an anticancerous plant . (MRP (S) / 13-14/KABA023/UGC-SWRO) (2014- 2016)

PUBLICATIONS IN REFEREED/PEER REVIEWED/ SCOPUS INDEXED /

UGC-CARE JOURNALS

- Wild mushrooms: A source of livelihood and future urban food. Ecology, Environment and Conservation ISSN:0971-765X. 30 (February Suppl. Issue) 2024. **S187-S191. (UGC CARE JOURNAL).**
No. of authors-2, Authorial position- First & Corresponding author.
- Phytochemical analysis and antioxidant potential of Insulin plant. Ecology, Environment and Conservation ISSN:0971-765X. 30 (February Suppl. Issue) 2024. **S361-S367. (UGC CARE JOURNAL).**
No. of authors-4, Authorial position- Corresponding author.
- **Food , medicinal and economic aspects of Bamboo species.** Environment and Conservation ISSN:0971-765X. 30 (February Suppl. Issue) 2024.(383-388). **(UGC CARE JOURNAL).**
- Cytotoxicity analysis of selected plants using *Artemia salina*. Annals of Agri Bio Research ISSN:0971-9660. **29(1): 45-49. 2024.** Impact factor-0.28. **(SCOPUS INDEXED) (UGC CARE JOURNAL).**
No. of authors-6, Authorial position- Second author.
- Evaluation of ethnopharmacological potential of *Oenanthe javanica* DC. Annals of Biology ISSN:0970-0153 . **40(1): 13-139.2024.** Impact factor-0.32. **(SCOPUS INDEXED). (UGC CARE JOURNAL).** **No. of authors-5, Authorial position- Third author.**
- Antibacterial activity of *Alangium salviifolium* (L.f.) Wangerin. Annals of Biology. ISSN:0970-0153. **39(2):357-361,2023.** Impact factor-0.32.
No. of authors-7, Authorial position- Corresponding author. (SCOPUS INDEXED) (UGC CARE JOURNAL).
- Validation of tribal claims on *Cucumis melo* L. Annals of Agri Bio Research. ISSN:0971-9660. **28(2):372-376,2023.** Impact factor-0.28. **(SCOPUS INDEXED) (UGC CARE JOURNAL).**
No. of authors-6, Authorial position- First & Corresponding author.

- Scientific validation of tribal claims on the plants used in diabetes by Santhal community, Mayurbhanj, Odisha, India. Medicinal plants-An International Journal of phytomedicines and Related Industries , ISSN:0975-4261(Print); **ISSN: 0975-6892**, Vol. 14 (4), December 2022, 604-608. **(SCOPUS INDEXED)(UGC CARE JOURNAL).**
No. of authors-3, Authorial position- Corresponding author.
- Antibacterial activity of *Justicia betonica* Linn. Asian pacific Journal of Health Sciences 227 - 230.e-ISSN : **2349 - 0659**, p - ISSN : **2350 – 0964**, Vol 9, Issue-4, October - December, **2022**.
No. of authors-6, Authorial position- corresponding author.
- Phytochemical Screening and antibacterial activities of *Oroxylum indicum* (Linn.), A threatened tree of India, e- ISSN: **2349 - 0659**, p- ISSN : **2350 – 0964**. Asian Pacific Journal of Health Sciences. Vol. 9, ISSUE 4 (5), October - December **2022**, 140 – 144. **No. of authors -7, Authorial position- corresponding author.**
- Common wild ethnomedicinal tuberous plants of Asia. Ecology, Environment and Conservation. **ISSN 0971– 765X**, November Suppl.Issue:2022; pp. (S353--S361).
No. of authors-7, Authorial position-corresponding author. **(UGC CARE JOURNAL-Group II)**
- Antioxidant and photocatalytic properties of zinc oxide nanoparticles phyto-fabricated using the aqueous leaf extract of *sida acuta* . Green processing and Synthesis, **ISSN: 2191-9550**, September 2022,11: 857-67.<https://doi.org/10.1515/gps-2022-0075>, Impact factor : 3.970.
No. of authors -9, Authorial position- fourth. (SCOPUS INDEXED)(UGC CARE JOURNAL-GROUP II)
- Callus induction and effect of L- Phenylalanine on the biosynthesis of Psoralen and Bergapten in callus cultures of *Ruta graveolens* L., a medicinal plant. Tumbe group of international journals. **ISSN : 2581- 8511**, Vol.5, Issue -1, January - April **2022**, 15-28.
No. of authors-2, Authorial position-First and corresponding author.
- Baha bonga and flower of *Shorea robusta* (Sal) a cultural significance of conservation, 2021. Journal of Biodiversity and Conservation , **ISSN 2457-0761**, 5(3):S7-S10.
No. of authors-2, Authorial position- First & Corresponding author.
- Tender shoots of *Cucurbita pepo* L., consumed by the Santal tribe: future nutraceutical for urban food basket,2020. Journal of Biodiversity and Conservation , **ISSN 2457-0761**, 4(4S):S1-S5.
No. of authors-2, Authorial position- First & Corresponding author.
- Plants used by wild life as a medicinal agent , 2019. Journal of Biodiversity and Conservation, **ISSN 2457-0761**, 3(2):S8-S12.
No. of authors-2, Authorial position- First & Corresponding author.
- Host plants of orchid species : a conservation approach ,2018. Journal of Biodiversity and Conservation, **ISSN 2457-0761**, 2(3-4):07-13.
No. of authors-2, Authorial position- First & Corresponding author.
- Medicinal bulbils: Unexplored food and medicinal agents, 2017. Journal of Biodiversity and Conservation , **ISSN 2457-0761**, 1(4):S8-S11. **Single author.**

- Baya weaver (*Ploceus philippinus*) bird and its associated flora, India , 2017. Journal of Biodiversity and Conservation , **ISSN 2457-0761**, 1(3):S6-S13.
No. of authors-3, Authorial position- First.
- RP-HPLC analysis of furanocoumarins-Psoralen, Bergapten and Xanthotoxin in *Ruta graveolens* L. International Journal of Pharmacognosy and Phytochemical Research 8 (2); 235-238, **2016** , **ISSN: 0975-4873. IMPACT FACTOR- 1.279. (SCOPUS INDEXED)**
No. of authors-2, Authorial position-First and corresponding author.
- Multiple shoot regeneration from the cultures of *Adhatoda vasica* Nees. Acta Hort (ISHS) 865:367-370., **2010**. ISSN NO.2406-6168, (2 Citations) **IMPACT FACTOR-0.2 .ISSN:5677572,ISBN:978-906605396-0,DOI: 10.17660/ActaHortic.2010.865.53.2018 (SCOPUS INDEXED) .**
No. of authors-3, Authorial position- second
- Studies on organogenesis from nodal explant of *Ruta graveolens* L. The Bioscan 5 (3): 455-459, **2010**. **ISSN 0973-7049** (9 citations).
No. of authors-2, Authorial position- second and corresponding author
- Antibacterial activity of different extracts of node and node derived callus of *Ruta graveolens* L. Biomed 5 (4); 218-227, **2010. ISSN-0973-3965.**
No. of authors-2, Authorial position- second and corresponding author.

BOOKS- AUTHOR/EDITOR

- **Lindernia** , July 2022.- ISBN : 978-81-955847-3-4, DOI : 10.5281/ zenodo. 6821236 , APRF Publishers, Ambika Prasad Research Foundation, India .(Under the project- Awareness program on medicinal plants and biodiversity).2022.No. of authors -6, Authorial position- 5
- **Lead Editor of the book “YAM”**, October 2022 – ISBN: 978-81-955847-5-8 DOI: <https://doi.org/10.5281/zenodo.7147528> Published by: APRF Publishers ,Ambika Prasad Research Foundation, India (Under the project -awareness program on medicinal plants and biodiversity)
- **Lead Editor of the book- Medico Biowealth of India -VII**, November 2022, ISBN: 978-81-955847-7-2, DOI: 10.5281/zenodo.7368926, Published by: APRF Publishers ,Ambika Prasad Research Foundation, India (under the project- Medicinal plants and Indian Traditional Knowledge)
- **Lead editor of the book-** Unexplored food plants ,September 2023.
- **Editor** of Indigenous people-Traditional Practices and Modern development. ISBN-978-0-85466-169-5 Intech open Publishers ,(February 2024) London, UK.

BOOK CHAPTERS

- Micropropagation protocol in *Atropa acuminata* Royle ex Lindl. And *Atropa belladonna*. 2024. Micropropagation of medicinal plants (Volume 2). (2024).Pp.77-98. Edited by T.Pullaiiah, ISBN (Online): 978-981-5238-30-3, ISBN (Print): 978-981-5238-31-0, ISBN (Paperback):978-981-5238-32-7, Published by Bentham Science Publishers.
No. of authors- 2 , authorial position-Corresponding author

- Common wild edible foods in weekly tribal markets (March 2022) DOI : 10.5281 / Zenodo. 6395706
In the book “Indigenous traditional knowledge”, ISBN : 978-81-955847 - 0 – 3, Published by: APRF Publishers ,Ambika Prasad Research Foundation, India. (under the project awareness program on Medicinal plants and Indian Traditional Knowledge).
No. of authors- 6 , authorial position- First
- Plants used in Women healthcare problems. (April 2022) DOI : 10.5281 / Zenodo. 6497753.
In the book, Indigenous Traditional Knowledge and advancement medicinal plantsresearch”.ISBN : 978-81-955847 - 2 – 7. DOI : 10.5281 / Zenodo. 6281893.
No. of authors- 6 , authorial position- Second and corresponding author
- Food and medicinal values of some Ficus species (July 2022) , DOI : 10.5281 / Zenodo. 6877024.
In the book “Medico - Biowealth of India,Volume VI : ISBN : 978-81-952750 - 9 – 0. Published by: APRF Publishers ,Ambika Prasad Research Foundation, India (under the project awareness program on Medicinal plants and Indian Traditional Knowledge).
No. of authors- 5 , authorial position- Second and corresponding author
- Common medicinal ferns of India - (July 2022), DOI : 10.5281 / Zenodo. 6900452, in the book “Medico - Biowealth of India”, Volume VI : ISBN : 978-81-952750 - 9 – 0. Published by: APRF Publishers, Ambika Prasad Research Foundation, India (under the project awareness program on Medicinal plants and Indian Traditional Knowledge).
No. of authors- 6 , authorial position-Third and corresponding author
- *Dioscorea pentaphylla* (Dioscoreaceae): A pharmacological agent, DOI:10.5281/Zenodo.6991068. In the book **Yam** ISBN:978-81-955847-5-8 DOI:<https://doi.org/10.5281/zenodo.7147528> Published by: APRF Publishers ,Ambika Prasad Research Foundation, India (Under awareness program on the medicinal plants and biodiversity)
No. of authors- 4 , authorial position-First
- Medicinal climbers and Asian Elephants: a conservation aspect.(January 2023). DOI:<https://doi.org/10.5281/zenodo.7497156>. in thebook “ Medicinal climbers”
ISBN:978-81-955847-4-1,
No. of authors-5, authorial position -First
- Common food plants of Barking deer in Bonai Forest Division, Odisha, India: a conservation aspect.(February 2023) in the book “Fruiting plants & Wild life”. ISBN: 978-81-955847-8-9. DOI: <https://doi.org/10.5281/zenodo.7611900> ,
No. of authors- 7 , authorial position-Second
- A note on COVID -19 pandemic, clinical aspects, medication and its prevention with traditional knowledge In a book “Medico Biowealth of India vol. VIII” .(May 2023)
DOI: <https://doi.org/10.5281/zenodo.7978844> **ISBN:978-81-958404-7-2**
No. of authors-7 , authorial position-First

- Nematode (helminths) found in food crops. (June 2023). DOI: <https://doi.org/10.5281/zenodo.8016156>, In a book “Medico Biowealth of India”.vol VIII (pp.116-128).ISBN:978-81-958404-7-2.

No. of authors- 6 , authorial position-Third

- Begonia picta Sm., an unexplored medicinal food of forest (June 2023).

DOI: <https://doi.org/10.5281/zenodo.8050942>.In the book “Unexplored food plants”.

ISBN:978-81-958404-6-5,

No. of authors- 6 , authorial position-Fifth

EDITOR

- Editor of Journal of Biodiversity & Conservation-ISSN: 2457 -0761, International Journal
- Editorial member- Academic studies - National Journal of Jyoti Research Academy, ISSN 0975-465X.

Reviewer – An international journal of Plant Research & Biotechnology (Springer Journal)

PAPER PRESENTATION IN NATIONAL & INTERNATIONAL CONFERENCES

- “Yam, a future nutraceutical” presented in ICGTASMH-2022, 2nd International conference on “Global Trends in Applied Sciences, Medical & Health at Reva University on 28th& 29th October 2022 (Online presentation).
- “Scientific validation of tribal claims on the plants used in diabetes” presented in Phytocine 2022, The International conference on Phytomedicine 2022 at St.Joseph’s University on 20th&21st May 2022(Online presentation).
- Effect of precursor on the biosynthesis of Psoralen and Bergapten in callus culture of *Ruta graveolens* L., a medicinal plant presented in 43rd Annual meeting of Plant tissue culture association (India) & International symposium on advances in plant biotechnology and nutritional security at tissue culture on 28-30 April 2022(Online presentation).
- Effect of precursor L-Phenyl alanine on Psoralen and Bergapten production in callus culture of *Ruta graveolens* L. , a medicinal plant presented in First International Conference on Life, Chemical and Health Sciences , at Ramaiah College of Arts, Science, 24-26th October 2019.
 - “Enhanced production of Rutin and Psoralen, Bergapten in regenerated plants of *RutagRraveolens* L., a medicinal plant” presented in International conference on medicinal plants and drug discovery- August 18th -20th 2018- paper presentation organized by VSRF,Bangalore.
- “Seasonal variation in the production of Psoralen, Bergapten & Xanthotoxin in *Ruta graveolens* L., an anticancer plant” presented in “ Integrated approach to diagnosis and therapy in cancer” at mLac, Bengaluru, 7th& 8thMarch 2017.
- “Enhancement of production of Psoralen & Bergapten in *Ruta graveolens* L., through micropropagation” presented in National conference on Enzyme Research in Agriculture, Food, and Industrial Biotechnology (NCERAFIB-20015), MSCW,Bangalore , 12th& 13thMarch 2015.(Consolation Prize)

- “Furanocoumarins in *Ruta graveolens* L., an anticancerous plant” presented in Stress and Health: Frontiers of Research in Stress Related Diseases and Management (SHDM-2015), MSCW, Bangalore, 12th & 13th February **2015**.
- “Micropropagation of *Rutagraveolens* L., a medicinal Plant through nodal explants” presented in National conference on Urban Biodiversity and Health titled Bioveda-A Treasure Trove” 6th and 7th February **2014** at Jain university in association with FRLHT-Institute of Trans-Disciplinary Health Sciences and Technology.
- “*In vitro* propagation for conservation of *Ruta graveolens* L., A medicinal plant” presented in National conference on “Green Wealth-A Strategy for health” organised by Mount Carmel college (Autonomous), Bangalore in association with National Rural Health Mission, Department of Ayush, Bangalore and Institute of Ayurveda and Integrative Medicine (I-AIM), Bangalore., 27th & 28th February, **2013- (Third Prize)**.
- “Multiple shoot regeneration from the cultures of *Rutagraveolens* L.” presented in National seminar on conservation of forests and livelihood concerns organised by Christ university, 17th & 18th February **2012**, Bangalore – **Paper presentation.(Second Prize)**
- “Organogenesis from nodal explants of *Rutagraveolens* L” presented in International conference on Bioremediation & Environmental management and polar Science & technology, (24th Annual Conference of NESAI New Delhi), 28th & 29th December, **2011**, organized by Presidency college, Bangalore- **paper presentation.**
- Recent trends in Botany and Medical Microbiology, 27th and 28th September **2010**, organized by Maharani Lakshmi Ammanni college for women, Bangalore in association with Karnataka Council For Science And Technology, IISc campus, Bangalore – **paper presentation.**
- National conference on Developmental Biology – NACON D BIO 2010, 15 – 17, September, **2010**, organized by Bangalore University, Bangalore – **Paper presentation.(First Prize)**.
- International conference on Environmental pollution, Water conservation and Health 29 - 31, July **2010**, Bangalore – **Paper presentation.**
- Dr. Norman E. Borlaug commemoration National conference on “Plant Diversity and Plant Health”. 11th and 12th March **2010**, Mysore – **Paper presentation.**
- 32nd All India Botanical conference and International symposium on Diversity of plants and Microbes : Present Scenario 28 - 30 December **2009**, Shimoga – **Paper presentation.**

AWARDS & HONOURS

- Recipient of Prof. M.A.Sampathkumaran **Gold Medal** in M.Sc for scoring highest marks in
- **Embryology of Angiosperms and Morphogenesis.**
- **Qualified in GATE-93 (GRADUATE APTITUDE TEST IN ENGINEERING)** in General Sciences with **88.45 percentile score, MHRD, GOVT OF INDIA.**
- **Awarded UGC Junior Research Fellowship under the scheme “Any one given time scheme” in 1994, Bangalore University.**

- National conference on Developmental Biology – NACON D BIO 2010, 15 – 17, September, 2010, organized by Bangalore University, Bangalore – **BEST PAPER PRESENTATION AWARD.** National seminar on conservation of forests and livelihood concerns organised by Christ university, 17th & 18th February 2012, Bangalore – **BEST PAPER PRESENTATION AWARD.**
- National conference on Green Wealth-A Strategy for health organised by Mount Carmel college (Autonomous), Bangalore in association with National Rural Health Mission, Department of Ayush, Bangalore and Institute of Ayurveda and Integrative Medicine (I-AIM), Bangalore., 27th & 28th February, 2013- **BEST PAPER PRESENTATION AWARD.**
- 5th International Conference On Medicinal Plants & Herbal Products organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, 25-27th January, 2013- **Talented Scientist Award. (Manipal College of Pharmaceutical Sciences Ranked first –NIRF-MHRD-(Govt. Of India).**
- National conference on “Enzyme Research in Agriculture, Food and Industrial Biotechnology (NCERAFIB-20015), 12th and 13th March ,2015- **BEST PAPER PRESENTATION AWARD.**

MEMBER OF PROFESSIONAL BODIES

1. The Indian Science Congress Association, life membership no. L41682
2. National Academy of Biological Sciences (NABS) LM-007-2022
3. Lifetime advisory member of Ambika Prasad Research Foundation (APRF), Odisha

BOS MEMBER

- Member of Board of studies in Botany department, Bengaluru City University – (NEP syllabus- 21-24).
- Curriculum advisory committee member (Subject expert) of the Department of life sciences- Botany(UG)-(23-24), Kristu Jayanti College, Autonomous, Bengaluru.
- Curriculum advisory committee member (Subject expert) of the Department of life sciences- Botany(UG)-(22-23), Kristu Jayanti College, Autonomous, Bengaluru.
- Member of Board of studies in Botany Department, Bengaluru Central University – (2018-2021).
Member of Board of studies in Botany Department, Jyoti Nivas College Bengaluru-(2019-20),Bangalore Central university.

- Member of Board of studies in Botany Department (BCU nominee), National college, Basavanagudi, Autonomous college, Bengaluru Central University – (2019-2021).
- Member of Board of studies in National college, Basavanagudi, Bangalore-4. (2010) Member of B.Sc syllabus framing committee (2010) in Bangalore university.

BOE MEMBER

- Member of Board of Examiners for UG course , Department of Botany, Jyoti Nivas college, Bengaluru (2024-25).
- **Chairperson, BOE in Botany, UG, Bengaluru City University (BCU), 2022-2023.**
- Member of Board of Examiners for UG course , Department of Botany, Bangalore University(2019- 2020).
- Member of Board of Examiners for UG course , Department of Botany, Bengaluru Central University (2019- 2020) .
- Member of Board of Examiners for UG course , Department of Botany, National college, Basavanagudi , Bengaluru (2019- 2020) .
- Member of Board of Examiners for UG course , Department of Botany, Bangalore University (2017 and 2018).
- Member of Board of Examiners for UG course in Department of Botany and environmental studies, CMR Institute of Management Studies--- 2014, 2015, 2016,2017, 2018.

RESOURCE PERSON

Delivered talks in IGNOU, Gyanavani FM 107.2, Only educational radio channel of India.

Delivered a Guest Lecture, “**Tissue culture lecture series**” “ **Are the secondary metabolites waste products**” at National college, Basavanagudi, Bengaluru-4, **31st March 2011**

CONFERENCE/ SYMPOSIUM/LECTURE ORGANIZED

Convener of National webinar on “Legume diversity in India, 20th January 2021, organized by the Department of Botany, SJRC, Race course road, Bengaluru -560 009.

Convener of Central college Botany Department Centenary Lecture Series organized in association with Bengaluru Central University in the year 2019. Lecture series organized in 26 Degree colleges in and outside Bengaluru.

Organizing secretary of UGC-CPE sponsored one day state level seminar on “**MEDICINAL PLANTS-ELIXIR OF LIFE**” organized by Department of Botany, KLE’s S.Nijalingappa College, on 15th October 2018.

Advisory committee member of UGC-CPE sponsored one day National conference on “Emerging trends in material science “(ETMS- 2017) organized by Department of Physics, KLE’s S.. Nijalingappa college, Rajajinagar, Bengaluru.

Scientific committee member of National conference on “Harnessing Demographic Dividend - Opportunities and Challenges in Indian Higher Education” 2015, organized by KLE SOCIETY, Belgaum, as part of KLE CENTENARY CELEBRATIONS.

Organizing committee member of “**International conference on Environmental pollution, Water conservation and Health**” , 29- 31, July 2010, Department of Zoology, Bangalore University, Bengaluru-56.

Organizing committee member of “National conference on “**Developmental Biology – NACON D BIO 2010**”, 15 – 17, September, 2010, organized by Department of Botany, Bangalore University, Bengaluru-56.

AUTHOR OF TEXT BOOKS

1. I Puc “Text Book Of Biology”- BASE SERIES –Intellect Publishing House Pvt.Ltd. ISBNNO.978-81-904807-2-7(**4 editions- 2006-2009**).
2. II Puc “Text Book Of Biology”- BASE SERIES –Intellect Publishing House Pvt.Ltd. ISBNNO.81-904010-8-4 (**3 editions- 2007-2009**).
3. I Puc “Text Book Of Biology”-ISBN-13: 978-81-315-1370-5, ISBN-10:81-315-1370-x. BASE and Cengage Learning India Pvt.Ltd.
(WWW.Cengage.com/global).(2010- **First edition**)
4. II Puc “Text Book Of Biology”- ISBN-13: 978-81-315-1356-9, ISBN-10:81-315-1356-4. BASE and
(WWW.Cengage.com/global).(2010-**first edition**)
5. I Puc “Text Book Of Biology”-ISBN-13: 978-81-315-1370-5, ISBN-10:81-315-1370-x. BASE and Cengage Learning India Pvt.Ltd.
(WWW.Cengage.com/global).(2011- **second edition**)
6. II Puc “Text Book Of Biology”- ISBN-13: 978-81-315-1356-9, ISBN-10:81-315-1356-4. BASE and Cengage Learning India Pvt.Ltd.
(WWW.Cengage.com/global).(2011-**second edition**)
7. “A Text Book of Biology” - I Pre-University (National curriculum).ISBN -13:978-81-375-1746-8 ; ISBN-10:813151746-2. BASE and Cengage Learning India Pvt.Ltd.
(WWW.Cengage.com/global).(2012-**First edition**)
8. “A Textbook of Biology” -2nd Year Pre-University (National curriculum). ISBN -13: 978-81-315-1932-5 ; ISBN-10:81- 315-1932-5. BASE and Cengage Learning India Pvt.Ltd.
(WWW.Cengage.com/global).(2013-**First edition**)

9. “A Text Book of Biology” - I Year Pre-University (National curriculum).ISBN -13:978-81-375-2803-7 ; ISBN-10:81-315-2803-0. BASE and Cengage Learning India Pvt.Ltd. (WWW.Cengage.com/global).(2015-Second edition)

10. “A Text Book of Biology” – Second Year Pre-University (National curriculum).ISBN -13:978-81-375-2634-7 ; ISBN-10:81-315-2634-8. BASE and Cengage Learning India Pvt.Ltd..(WWW.Cengage.com/global).(2015-Second edition).

11. A Textbook of Biology- Class XI -ISBN-13: 978-81-315-1755-0, ISBN-10: 81-315-1755-1 BASE and Cengage Learning India Pvt.Ltd..(WWW.Cengage.com/global).

12. A Textbook of Biology- Class XII -ISBN-13: 978-81-315-1933-2, ISBN-10: 81-315-1933-3 BASE and Cengage Learning India Pvt.Ltd..(WWW.Cengage.com/global).

ADMINISTRATIVE WORK

Head of the Department

NAAC criterion convener, criterion member

Editorial member of college magazine (2013-14), Editor of Annual college magazine- (20-21, 21-22)

Convener of Cultural committee (2007-08)

Convener of CASH (2016-17, 17-18, 18-19)

EXTRA CURRICULAR ACTIVITIES

Carnatic Classical vocalist

won many prizes in singing classical music, light music, and film songs at state level competitions as a student. Presented songs in many occasions including national and international conferences (Botany, Life Sciences).

Media experience -Television Presenter- Bengaluru Doordarshan kendra (Chandana-GOVT.channel)- Worked as a casual news presenter in regional language- kannada and in English for state scan (National telecast), anchor, voice over artist of scientific documentaries, moderator of Women empowerment programme (Phone-in live programme).

EMCEE of many National Programme of Music and Dance - Delhi Doordarshan Kendra