

# **CURRICULUM VITAE**



- 1. Name** : **Dr.KISHORE MENDAM**
- 2. Father Name** : SOMAIAH MENDAM
- 3. Present Occupation** : I/C Head , Department of Zoology  
: Assistant professor ( C ) ( 02<sup>nd</sup> January 2017 - till date)
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  - Vidwan ID** : Profile URL : <https://braou.irins.org/profile/247579>
  - ORCID ID** : 0000-0003-1017-9182
- 5. Date of Birth and Birth Place** : 12 July 1986; Huzurnagar, Suryapet
- 6. Educational Qualifications** : **M.Sc., Ph.D. Qualified CSIR-NET and APSET**
- 7. Title of Thesis** : Biomedical Applications of Silver Nanoparticles synthesized from *Cyphostemma auriculatum* Roxb.

## 8. Teaching Methods :

- a. Direct / offline : 208, Study center, Dr.BRAOU Campus  
B.Sc. Zoology & M.Sc. Zoology
- b. Online : B.Sc. & M.Sc.
- c. Audio lessons : Both B.Sc. & M.Sc.
- d. Video lessons : Both B.Sc. & M.Sc.
- e. Teleconferences : Both B.Sc. & M.Sc.

## 9. Academic Responsibilities :

### *a. University examination evaluation*

- i. UG : B.Sc. Zoology (All Papers) ( Theory & Practical)
- ii. PG : M.Sc. Zoology (All Papers) ( Theory & Practical)
- iii. Certificate Course : CPFN (Certificate Programme in Food & Nutrition)

### *b. Paper Setting*

- i. UG : B.Sc. Zoology ( Theory & Practical)
- ii. PG : M.Sc. Zoology ( Theory & Practical)
- iii. Certificate Courses : CPFN (Certificate Programme in Food & Nutrition)

### *c. Preparation & Evaluation of Assignments*

- i. PG : M.Sc. Zoology

### *d. Learning*

#### **i. Training Programme attended :**

1. 30 Days Winter School Training Program- Krishi Manthan on **“Technological advances leading to Smart Farming & Agripreneurship”** organized by Utkarsh PDKV- Agribusiness Incubation Centre, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola in collaboration with Just Agriculture Education Group during 01st Jan to 30th Jan, 2024.
2. 21 Days International Training cum workshop program on **“Agriculture 3.0- A Futuristic approach towards smart agriculture & Sustainable Urban Farming”** organized by AEEFWS & Just agriculture-the magazine during 30<sup>th</sup> April to 20<sup>th</sup> May 2022.

**ii. Orientations and Refreshers/ Short term course :**

1. Online one week Faculty Development Programme on “ICT for Teaching & Learning” from 17 – 23 October,2023 organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of education pandit madan mohan malaviya national mission on teachers and teaching.( Online )
2. UGC Sponsored *Short term course in MOOCs development and Delivery* from 01-11-2023 to 07-11-2023 organized by UGC-HRDC, Ranchi University. (Online)
3. UGC Sponsored *Short term course in E-Content development using ICT* from 13-09-2023 to 19-09-2023 organized by UGC-HRDC, Ranchi University. (Online)

**10. Academic Contributions :**

- i. Design of Curriculum i. *Theory* - Modified the B.Sc. Syllabus as per the CBCS pattern in B.Sc. Zoology and wrote course materials.
- ii. *Practical* - Modified the B.Sc. Syllabus as per the CBCS pattern in B.Sc. Zoology and wrote course materials.
- iii. Design of PG (CBCS) Curriculum
- iv. Prepared syllabus for M.Sc. Zoology Semesterization in Dr.BRAOU

**11. Membership in Various academic and scientific bodies:**

**i. Life member in Scientific bodies:**

1. Indian Science Congress Association

**12. Contribution in Academic and Administration :**

**i. Member in Academic bodies :**

1. PG Curriculum Design and Development Committee

**ii. Member / Participation in Bodies / Committees on Education and National development**

1. Member, Board of Studies in Zoology, Dr.BRAOU, Hyd.

**13. Extension, Field based activities :**

1. Participated Cancer awareness programme organized by Dr.BRAOU.

## 14. Seminars Organized :

1. Organizing Committee member of Two Days National seminar on Science & Technology for Sustainable Development from 2<sup>nd</sup> -3<sup>rd</sup> September 2022

## 15. Research Contribution :

### i. Articles Published in Journals

1. **Mendam Kishore 2015**. A review on medicinal plants have antioxidants potentials. *World Journal of Pharmaceutical Research*, 4(10), pp.754-763. **ISSN: 2277-7105**.
2. **Mendam Kishore**, B.Kavitha and S. Jithender Kumar Naik,(2015).Natural Sources used for Treatment and Prevention of Filariasis. *World Journal of Pharmacy and Pharmaceutical Sciences* ,4(10),pp.1621-1628. **ISSN: 2278-4357**.
3. **Mendam Kishore**, V. Mangesh, S. Vamshi, and S. Jithender Kumar Naik. (2015) "A comprehensive review on natural sources against cancer." *World Journal of Pharmaceutical Research* ,4(12),pp.1553-1564. **ISSN: 2277-7105**.
4. **Kishore Mendam**, S.Jithender Kumar Naik, Anusha C Pawar, S.Vamshi, V.Mangesh, P.Sonu. (2021). Synthesis & Characterization of AgNPs from *Cyphostemma auriculatum* Roxb. : Its application as antibacterial activity and mode of action. *Nat.Volatiles & Essent.Oils*, 2021;8(6):3369-3383. **ISSN: 2148-9637**.
5. V.Mangesh, **M.Kishore**, S.Jithender Kumar Naik, Anusha C Pawar, S.Vamshi, K.Sireesha, N.Ramesh Kumar,2022. Antidiabetic activity of alcoholic extract of *Momordica charantia* and *Murraya koenigii* in alloxan induced albino rat. *International Journal of Pharmaceutical Research*. Vol.14, Issue. 1, pp.69-78. **ISSN:0975-2366**. DOI:<https://doi.org/10.31838/ijpr.2022.14.01.014>.
6. P.Sonu, **M.Kishore**, S.Jithender Kumar Naik, N.Sandhya, Anusha C Pawar, S.Rajeshwari, B.Nagesh,2022. Antidiabetic activity of *selenicereus undatus* (Haw). Fruit extract against alloxan induced diabetic mice. *International Journal of Pharmaceutical Research*. Vol.14, Issue.1, pp.29-38. **ISSN:0975-2366**. DOI:<https://doi.org/10.31838/ijpr/2022.14.01.005>
7. **Kishore Mendam** , Yerkala Kumar , Niharika Burgula , Vineela Sai Megavath , Usha Sree Anandas , A. Rajani , A. Kavitha , Thirupathi Padala and Shanthi Kuthadi,2022. Bioremediation of hexavalent chromium by using *Cyanobacteria* and its application of the best isotherms. *Xi'an ShiyouDaxueXuebao (ZiranKexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition*. Vol: 65, Issue 03,pp.141-152. **ISSN:1673-064X**. DOI 10.17605/OSF.IO/P4Y6E
8. **Kishore Mendam**, S.Jithender Kumar Naik, K.Bala Hanumanth Sriram, Anusha C Pawar, S.Vamshi, 2022. Anticancer properties of nanoparticle synthesized from *Cyphostemma auriculatum* Roxb. On nude mice. . *International Journal of Health Sciences*, 6(S4), 1463–1474. **ISSN 2550-6978**. <https://doi.org/10.53730/ijhs.v6nS4.6232>
9. Narendra Kumar Papatoti,**Kishore Mendam**, Wannaporn Thepbandit, Niharika Burgula, Rungthip Sangpueak, Chanon Saengchan, Nguyen Huy Hoang, Praveen Kumar Keshav, Toan Le Thanh, Natthiya Buensanteai, 2022. Bioethanol production from alkali-pretreated cassava stem waste via consolidated bioprocessing by ethanol-tolerant *Clostridium thermocellum* ATCC 31,924. *Biomass Conversion and Biorefinery*. **ISSN:2190-6823**. <https://doi.org/10.1007/s13399-022-02868-5>.

10. Narendra Kumar Papatthoti, **Kishore Mendam**, Bala Hanumath Sriram Kanduri, Wannaporn Thepbandit, Rungthip Sangpueak, Chanon Saengchan, Nguyen Huy Hoang, Vinnela sai megavath, Madhuri kurakala, Toan Le Thanh, Natthiya Buensanteai, **2022**. Investigation of bioactive compounds from bacillus sp. against protein homologs CDC42 of Colletotrichum gloeosporidides causing anthracnose disease in cassava by using molecular docking and dynamics studies. Frontiers in Molecular biosciences. **ISSN:2296-889X**.
11. **Kishore Mendam**, S.Jithender Kumar Naik, **2023**. Anticancer and antioxidant activities of *Cyphostemma auriculatum* Roxb. green mediated silver nanoparticles, Materials Today: Proceedings, Volume 92, Year 2023, Pages 618-625. **ISSN: 2214-7853**. DOI: <https://doi.org/10.1016/j.matpr.2023.04.126>.
12. K. Dhanalakshmi, Sultana Razia, A.L.N. Arun Kumar, Yatika Gori, A. Kavitha, **Kishore Mendam**, **2023** Micronucleus testing and nuclear abnormalities in freshwater organisms exposed acutely and chronically to titanium dioxide nanoparticles Materials Today: Proceeding, Volume, Year 2023, Pages. **ISSN: 2214-7853** DOI: <https://doi.org/10.1016/j.matpr.2023.08.074>.
13. Helen Merina Albert, **Kishore Mendam**, Prafulla Gendaji Bansod, M. S. Srinivasa Rao, Archana Asatkar, M. Kalyan Chakravarthi, M. P. Mallesh, **2023**, Biosynthesis, Spectroscopic, and Antibacterial Investigations of Silver Nanoparticles, Journal of Fluorescence, 2023. DOI: <https://doi.org/10.1007/s10895-023-03398-7>
14. **Kishore Mendam**, S.Jithender Kumar Naik, **2022**. Patent publication: The Patent Office Journal No. 19/2022 Dated 13/05/2022. Application No.202241024047A. Publication Date: 13/05/2022. **Title of the invention:** A Novel Composition For Anti-Cancer Medicine Extract From Roots, Halms, Leaves Of *Cyphostemma auriculatum* Roxb., Effective Content Of Anti-Inflammation And Analgesia And Preparation Method Thereof
15. **Kishore Mendam**, Gajula Prabhakar, Yerkala Kumar, **2022**. Patent publication: The Patent Office Journal No. 12/2022 Dated 25/03/2022. Application No.202241012796 A. Publication Date: 25/03/2022. **Title of the invention:** A Processing Herbal Medicine And Composition From Medicinal Plants For External Skin Applications And Preparation Method Thereof

**ii. Articles / Papers Published in Books-**

1. Antidiabetic activity of *Cyphostemma auriculatum* Roxb. Green mediated AgNPs in alloxan induced albino mice.

**iii. Papers Presented in Conferences/Seminars/Workshops :**

1. Antidiabetic activity of *Cyphostemma auriculatum* Roxb. Green mediated AgNPs in alloxan induced albino mice during 2<sup>nd</sup> -3<sup>rd</sup> September 2022 at Faculty of Science, Dr.BRAOU.
2. Anticancer and antioxidant activities of *Cyphostemma auriculatum* Roxb. green mediated silver nanoparticles at 2<sup>nd</sup> International Conference on Multifunctional Materials during 22-24 December 2022.

- iv. Editor / Reviewer :** Reviewer of Molecular Biotechnology Journal-Springer Publication.

## 16. Books Published :

### I. Preparation of Course Material / Lab Manuals.

#### a) *Course Writing and Associated Editor for Dr.BRAOU Zoology Self Learning Materials*

Theory			
S. No.	Programme	Title of the Course	Title of the unit(s)
1	UG-B.Sc –SEM-II	Animal Diversity-Vertebrates	Unit –5:Pisces Unit –6 : <i>Scoliodon</i> – Type study Unit –8: Reptilia Unit –10: Aves Unit –12:Mammalia
2	UG-B.Sc –SEM-III	Ecology, Zoogeography and Developmental Biology	Unit –7 : Zoogeographical regions Unit-8: Wallace line and Discontinuous distribution Unit –9 :Continental drift Unit –10:Types of Eggs, Fertilization and Development Unit –11:Organogenesis Unit –12:Foetal Membranes in Chick, Placentation in Mammals
3	UG-B.Sc –SEM-IV Core	Cell and Molecular Biology, Genetics and Evolution	Unit – 6 : Gene Expression Unit – 8 : Mutations:
4	UG-B.Sc –SEM-IV SEE-1	Apiculture	Unit-6: Pests and Parasites Unit-8: Economics
5	UG-B.Sc –SEM-IV SEE-2	Vermiculture	Unit-6:Worm composting pests and its management Unit-8:Economics
6	UG-B.Sc –SEM-V Core	Physiology and Biochemistry	Unit-6-Nerve Impulse Unit- 8 - Osmoregulation
7	UG-B.Sc –SEM-V DSC-A	Principles of Aquaculture	Unit-6: Crafts and Gears Unit-8:Freshwater culture systems
8	UG-B.Sc –SEM-V DSC-B	Sericulture	Unit-6:Mulberry diseases and Pests Unit-8: Silkworm nutrition,Silkgland
9	UG-B.Sc –SEM-VI Core	Immunology and Animal Biotechnology	Unit-6: Vaccines Unit-8: Molecular Techniques in Gene Manipulations
10	UG-B.Sc –SEM-VI DSC-C	Fish Genetics and Seed Technology	Unit-6: Cryopreservation of Gametes Unit-8: Bundh breeding
11	UG-B.Sc –SEM-VI DSC-D	Silkworm Breeding and Grainage	Unit-6: Selection of Seed Cocoons Unit-8: Silkworm seed production
12.	UG- SEM-I UG-Generic elective	Science and Technology	Unit-5: Health, Disease, and Its Management Unit-6: Biochemistry and Biomedical Applications

<b>Practical</b>			
<b>S. No.</b>	<b>Programme</b>	<b>Title of the Course</b>	<b>Title of the unit(s)</b>
1	UG-B.Sc –SEM-II	Animal Diversity-Vertebrates	Unit- 5: Histological Slides of Mammal Unit- 6 : Rabbit – Axial skeleton system Unit -7:Appendicular Skeleton Unit- 8 :Dissections
2	UG-B.Sc –SEM-III	Ecology, Zoogeography and Developmental Biology	Unit – 5: Identification of Zooplankton from a nearby water body. Unit – 6: Study of endangered or threatened wild animals of India Unit – 7: Identification of Zoogeographical realms and identify specific fauna of respective regions. Unit – 8: Observe the response of invertebrates in different lightening conditions
3	UG-B.Sc –SEM-IV Core	Cell and Molecular Biology, Genetics and Evolution	Unit -6: Study of homology and analogy Unit -8: Macroevolution using Darwin finches
4	UG-B.Sc –SEM-V Core	Physiology and Biochemistry	Unit –6 : Estimation of Haemoglobin by Sahlis method. Unit -8 : Estimation of unit Oxygen consumption of fish with reference to body weight
5	UG-B.Sc –SEM-V DSC-A	Principles of Aquaculture	Unit-6: Determination of dissolved O <sub>2</sub> in water Unit-8:Identification of diseases caused by microorganisms and parasites
6	UG-B.Sc –SEM-V, DSC-B	Sericulture	Unit-6: Silkworm Rearing Unit-8: Silk Reeling
7	UG-B.Sc –SEM-VI, Core	Immunology and Animal Biotechnology	Unit-6: Identification of vectors Unit-8: PCR demonstration
8	UG-B.Sc –SEM-VI, DSC-C	Fish Genetics and Seed Technology	Unit-6: Induced Breeding Unit:8Study of some Hatcheries
9	UG-B.Sc –SEM-VI, DSC-D	Silkworm Breeding and Grainage	Unit-6: Seed Preparation Unit-8: By products

**b. Books (Editor) :**

S.No	Title	No. of unit(s)	ISBN
1	Fundamentals of Microbiology	06	978-93-5625-284-4
2	Environmental science and Engineering	06	978-93-5757-109-8

**c. Books (Writer) :**

S.No	Title	No. of unit(s)	ISBN
1	Fundamentals of Microbiology	03	978-93-5625-284-4
2	Basic concepts of Research methodology	02	978-81-960402-2-2
3	Environmental science and Engineering	02	978-93-5757-109-8
4.	Novel aspects in Nanotechnology applications	02	978-81-965364-8-0

**d. e-Content Lessons/ Courses / Editing :** Developed Two online courses.

1. Human Physiology
2. Human Health, Disease, and Its Management

**17. Conferences/Seminars/ Workshops/ Symposiums/ Refresher Courses/ Orientation Courses participated.**

S. No.	Title	Organized by	Place & Date(s)
1.	National seminar on Prevalence and incidence of blood sucking vectors and their clinical importance in south india	Department of Zoology, Osmania University	Osmania university campus,Hyd 26-08-2014
2	Workshop on Role of E-Resources in Research	Department of commerce Osmania university college for women	Osmania university college for women,Hyd 22-11-2014
3	National conference on Emerging and Re-emerging viral outbreaks in india-clinical challenges and management	Department of Zoology, Osmania University	CSIR-IICT-CCMB Auditorium,Hyd Jan 20-22, 2015
4	National conference on New frontiers in medicinal plant research	Department of Botany Osmania university college for women	Osmania university college for women,Hyd Feb 26-27, 2015
5	Inernational conference on Biochemistry, Nutrition, & Pharmacy in Human welfare: Recent trends and future challenges	Department of Biochemistry, Osmania University	Department of Biochemistry, Osmania University,Hyd Sept 03-05, 2015
6	Two days national conference on Impact of biochemistry in interdisciplinary research	Department of Biochemistry, Osmania University	Department of Biochemistry, Osmania University,Hyd Sept 17-18, 2015



7	One day International Symposium on Recent trends in chemical biology	Research development and consultancy cell, Osmania university	University college of Science, Osmania university,Hyd 28-11-2018
8	Two day National seminar on Recent trends in plant disease diagnosis and control with reference to central india	Department of Microbiology, Kakatiya university	Department of Microbiology, Kakatiya university, Warangal Dec 01-02, 2018
9	Seven day Workshop on Self Learning Material for Faculty Teachers	Centre for Staff Training and Development, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd 27-01-2017 to 02-02-2017
10	One day National workshop on Waste Management	Department of Geology, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd 30-03-2017
11.	Three day workshop on Professional Development Programme on online teaching, learning and Assessment using OERs, Education technology & Moodle MOOCS platform	GRADE & CIQA, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd Feb 08-10, 2018
12	Two day workshop on Translation from English to Telugu for Faculty Teachers	CSTD, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd June 12-13, 2018
13	International Conference on Equipping the Unequipped-empowerment through knowledge, Technology and Skills	GRADE, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd NOV 10-12, 2018
14	“Online teaching tools and content management”	CSTD, DrBRAOU	27 October 2021
15	“Blended learning in higher education institutions”	CSTD, DrBRAOU	Dr.B.R.Ambedkar Open University Campus,Hyd March 14- 25,2022
16	“Three-Day International Workshop on Statistical Data Analysis Using R Programming”	A2Z EduLearningHub	Online Feb-15 to 17, 2022
17	Hands on workshop Nanoplate –based digital PCR	CFRD,Osmania university	Osmania university May30-31,2022
18	21 days International training cum workshop program on Agriculture 3.0: A futuristic approach towards smart agriculture & sustainable urban farming	Agro environmental education and farmers welfare association,Punjab	Online, 30 April to 20 May,2022

19	05 day workshop on Animal cell culture technology and Its applications	Department of Microbiology, Osmania university	Osmania University June 13 -17 , 2022
20	National seminar on Science & Technology for Sustainable Development	Faculty of Science , DrBRAOU	STML Building, Dr.B.R.Ambedkar Open University Campus,Hyd 02-09-2022 to 03-09-2022

## 18. Radio/ Video/ Teleconferencing/ Web Conferencing/ Webinar

### 1. Teleconferences :

S.No	Date of Teleconference	Date of Telecast	Subject	Programme	Year	Title of the lesson
1	06-05-2018	06-05-2018	ZOOLOGY	UG	III	Carbohydrates, Proteins, Lipids and Enzymes
2	25-11-2018	25-11-2018	ZOOLOGY	PG	I	Digestive System
3	30-12-2018	30-12-2018	BOTANY	PG	I	Biodiversity
4	17-02-2018	17-02-2018	ZOOLOGY	PG/UG	I / III	Respiratory System
5	14-07-2019	14-07-2019	BOTANY	PG	II	Mutations
6	25-08-2019	25-08-2019	ZOOLOGY	PG/UG	I / III	Endocrine System
7	01-12-2019	01-12-2019	SCIENCE & TECHNOLOGY	UG	I	Health, Disease and Its management

### 2. Video

S.No	Date of Recording	Date of Telecast	Subject	Programme	Year	Title of the lesson
1	14-05-2018	18-05-2018	ZOOLOGY	PG	II	Lymphoid organs and Immunoglobulins
2	10-08-2018	21-12-2018	ZOOLOGY	UG	III	Types of eggs, fertilization and Gastrulation
3	29-01-2019	01-02-2019	ZOOLOGY	PG	I	Nucleic acids and Replication
4	24-01-2019	09-11-2019	ZOOLOGY	PG	I	Chromosomal Abnormalities and Genetic Disorders
5	22-04-2019	26-04-2019	ZOOLOGY	UG	II	Ecosystem / Jeevavarana Vyavasta
6	03-10-2019	11-10-2019	ZOOLOGY	UG	III	Respiratory System

### 3. Radio:

S.No	Date of Recording	Date of Broadcast	Subject	Programme	Year	Title of the lesson
1	02-06-2018	10-11-2018	ZOOLOGY	PG	II	Macrophages
2	09-08-2018	16-08-2018	ZOOLOGY	UG	II	Adaptations in Animals
3	15-10-2018	20-10-2018	ZOOLOGY	PG	II	Lymphoid system and Cells involved in Immune Response
4	05-11-2018	16-01-2019	ZOOLOGY	PG	I	Dermal derivatives of Vertebrate skin
5	29-11-2018	01-12-2018	ZOOLOGY	UG	I/ Sem-I	Palaemon Type study
6	21-12-2018	26-12-2018	ZOOLOGY	UG	III	Pattu Purugula Pempakam( Silkworm Rearing)
7	21-12-2018	16-01-2019	ZOOLOGY	UG	III	Zanthu Pravarthana & Jeeva Vyvidhyam
8	06-07-2019	19-07-2019	ZOOLOGY	UG	I/ Sem-I	Metamerism & Pseudometamerism
9	07-08-2019	09-08-2019	ZOOLOGY	UG	I/ Sem-I	Utpadaka pramukyam gala keetakaalu
10	27-08-2019	30-08-2019	Zoology	UG	I/Sem-II	Parentalcare in Amphibians”
11	30-08-2019	06-09-2019	Environmental Studies	UG	I/Sem-II	Air Pollution
12	16-09-2019	20-09-2019	Zoology	UG	II/ Sem-III	Biogeochemical Cycles”
13	17-09-2019	27-09-2019	Environmental Studies	UG	I/Sem-II	Biodiversity
14	04-10-2019	11-10-2019	Zoology	PG	I	Chromosomes & Karyotyping
15	16-10-2019	18-10-2019	Science & Technology	UG	I/ Sem-I	The Universe
16	30-10-2019	01-11-2019	Zoology	PG	II	Auto immunity & Immune diseases
17	02-11-2019	08-11-2019	Environmental Science	PG	II	Nuclear Accidents
18	18-11-2019	22-11-2019	Zoology	PG	II	Insect Behavior