

PROFILE



1. **Name (In Capital): Dr.Y. KUMAR**
2. **Father Name: Y.Dasharatha**
3. **Date of Birth(DD/MM/YYYY) 03-04-1985**
4. **Address:**
 - i.**Office: Department of Botany, DR.BRAOU, Jubilee Hills, Hyderabad.**
 - ii. **Present Position: Contract Assistant Professor in department of Botany
(Date of Appointment 02-01-2017)**
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- ORCID ID: <http://www.orcid.org/0000-0002-0782-6265>**
5. **Qualification: M.Sc., B.Ed.,AP SET, PhD**
6. **Area of Specialization: Plant reproduction biology & Medicinal botany**
7. **Title of Thesis: Diversity, Dispersal of Palynotaxa of Medicinal and Allergic Plants in Cyberabad, Telangana.**
8. **Teaching Methods :**
 - a. **Direct / offline : 208, Study center, Dr.BRAOU Campus
B.Sc. Botany & M.Sc. Botany**
 - 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. Botany (All Papers) (Theory & Practical)
- ii. PG: M.Sc. Botany (All Papers) (Theory & Practical)

b. Paper Setting

- i. UG: B.Sc. Botany (Theory & Practical)
- ii. PG: M.Sc. Botany (Theory & Practical)

c. Preparation & Evaluation of Assignments

- i. PG: M.Sc. Botany

10. Academic Contributions :

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

11. Membership in Various academic and scientific bodies:

i. Life member in Scientific bodies:

1. Indian Science Congress Association(L35036)

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 Botany, Dr.BRAOU, Hyd.

13. Seminars Organized :

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

14. Research Publication:

i) Books Writer (please enclose the list)

| S.No | Title | No. of unit(s) | ISBN |
|------|------------------------------|----------------|-------------------|
| 1 | Fundamentals of Microbiology | 03 | 978-93-5625-284-4 |

ii) Articles / Papers Published in Books (please enclose the list)

| S. No. | Book chapter | Title of the Book | Editor(s) Name | Publisher with ISBN/ISSN | Year of Publication | Page No. (s) |
|--------|---|---|---|--------------------------|---------------------|--------------|
| 1 | PHARMACOGNOSTIC AND HPTLC FINGERPRINTING STUDIES ON LEAVES OF <i>Aerva javanica</i> (Burf.f) JUSS.EX SCHULT | “ROLE OF NANOTECHNOLOGY IN SCIENCE AND ENGINEERING(VOL-1)”. | Dr.Basara Satyanarayana Authors G.Prabhaker Y Kumar | ISBN: 978-93-5578-884-9 | 2021 | 128-143 |

iii) Articles Published in Journals (please enclose the list)

1. N.Ramakrishna ,Y Kumar,2021 Ethbotany of Stem Barkof Some Medical Plants of Adilabad District,Telangana State,India.Iosr Journal of Pharmacy and Biological Sciences. e-ISSN:2278-3008,p- ISSN:2319-7676, Volume 16, Issue 5 Ser. I (Sep. – Oct. 2021), PP 50-54.

2. Kumar Y., Ramakrishna H, Devender R. 2022. Tricolporate pollen of Caesalpiniaceae medicinalplants at kotlavijayabhaskarareddy botanical garden in cyberabad,telangana.*International Journal of Health Sciences/ ISSN 2550-6978*.

3.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

4 Kumar Y, Devender R, G.Prabhakar and Ramakrishna H.2023. Allergenic Fungal Spores Diversity in the Air of Dr.B.R.Ambedkar Open University, Telangana. *Journal of Pharmaceutical Negative Results*|Volume14|Regular Issue02.DOI: 10.47750/pnr.2023.14.02.105

5. Yerkala Kumar , Irshad Ahmed , Kishore Mendam , Usha Sri Anandas, Meenakshi.2023. Evaluation Of *Rauvolfia Tetraphylla* Leaf Extract For Antidiabetic Activity In Alloxan Induced Albino Rats. European Journal of Molecular & Clinical Medicine ISSN 2515-8260

6. **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

15. Preparation of Course Material / Lab Manuals (please enclose the list)

i. Course Writing

| Theory | | | |
|---------------|---|--|---|
| S. No. | Programme | Title of the Course | Title of the unit(s) |
| 1 | B.Sc. Botany UG-II Year, Sem-IV SEE (T) | Pula mukkala pempakam- | Translated 2 New Units Unit-2: prakruthi drushyam mariyu turf(pachika midanala)nirvahana Unit:3: Pula mukkala pempakam rakshana: kathirinchabdina/ vidi pushpaala sankathikatha uthppathi |
| 2 | UG III Year Sem-V Elective-B : | Plant Tissue Culture and Genetic Engineering | Prepared 1 New Unit Unit-9: Methods of Gene Transfer |
| 3 | UG III Year Semester-VI CORE | Plant Physiology and Ecology | revised 3 New Units Unit-2: Mineral Nutrition Unit-3: Enzymes Unit-6: Translocation of Solutes |
| 4 | UG III Year Sem-VI Elective-D | Seed Technology | Prepared 2 New Units Unit-5: Seed Marketing Unit-6: Seed Treatment |

| Practical | | | |
|------------------|---------------------|--|---|
| S. No. | Programme | Title of the Course | Title of the unit(s) |
| 1 | B.Sc Botany UG I | Bryophyta,Pteridophyta,Gymnosperms and Paleobotany | Revised 8 units Unit-1:Marchantia, Anthoceros |

| | | | |
|---|---|---|--|
| | Year, Sem-II BS213BOT-ELM & BS213BOT-TLM | | Unit-2: Funaria Unit-3: Lycopodium, Equisetum Unit-4: Marsilea. Unit-5: Pinus Unit-6: Gnetum Unit-7: Lyginopteris Unit-8: Ptilophyllum |
| 2 | UG –III BS513BOT DSE(B)-ELM&TLM | Plant Tissue Culture and Genetic Engineering | Prepared 1 New Unit Unit-3: Plant micropropagation in carrot |
| 3 | UG –III BS613BOT-ELM&TLM | Semester-VI :Laboratory Manual And Record Plant Physiology and Ecology | Revised 2 units Unit-7: Soil Analysis Unit-8: Determination of Ph of Soil Sample |
| 4 | UG –III BS613BOT DSE(D)-ELM&TLM | Elective-D :Seed Technology | Prepared 2 New Unit Unit-1: Testing of Seed Viability Unit-8: Harvesting and Importance of Seeds |

16. Radio/ Video/ Teleconferencing/ Web Conferencing/ Webinar (please enclose the list)

| S. No. | Program me | Course No. & Title | Title of the Lesson | Mode of the Lesson |
|--------|------------|---|---------------------------------|--------------------|
| 1. | UG I Year | Semester I Microbial Diversity Algae and Fungi | Jeevam Puttuka | Audio |
| 2. | PG I Year | C1- Microbial Diversity Viruses ,Bacteria and Fungi | Economic Importance of Bacteria | Audio |
| 3. | UG I Year | Semester I Microbial Diversity Algae and Fungi | Economic Importance of Fungi | Audio |
| 4. | UG II Year | Semester-III-Plant Anatomy and Taxonomy | Tissue Systems | Audio |
| 5. | PG I Year | Geology | Ecosystem | Audio |
| 6 | UG II Year | Sem-IV-Developmental biology and Medicinal Plants | Pharmacognocny | Audio |
| 7 | UG I | Sem-II | Pteridophyta general | Audio |

| | | | | |
|-----|--------------------------|---|-------------------------------------|----------------|
| | | Bryophyta,Pteridophyta,Gymnosperms and Paleobotany | characters | |
| 8. | UG I Year | Semester-II-Bryophyta, Pteridophyta, Gymnosperms and Paleobotany | Bryophyta lo Siddabeejada parinamam | Video |
| 9. | UG I Year | Semester-II-Bryophyta,Pteridophyta,Gymnosperms and Paleobotany | Stelar Evolution in Pteridophyta | Video |
| 10. | UG II Year | Semester-III-Plant Anatomy and Taxonomy | Asangatha dwithiya vrudhi | Video |
| 11. | PG I Year | C4-Biochemistry and Plant Physiology | Photosynthesis-II | Video |
| 12 | PG II Year & UG III Year | C5- Cell biology, Genetics, Statistics and Ecology Semester-V: Cell biology and Genetics | Cell Division | Video |
| 13 | UG I & PG I Year | Semester-II-Bryophyta,Pteridophyta,Gymnosperms and Paleobotany | Pinus life cycle | Video |
| 14 | UG I Sem | Microbial diversity Algae,Fungi | Algae general characters | Video |
| 15 | PG I Year | | Biodiversity | Teleconference |
| | PG II Year & UG III Year | C5- Cell biology, Genetics, Statistics and Ecology Semester-V: Cell biology and Genetics | Mutations | Teleconference |
| 16 | UG I | SemI-Science and Technology | Health Disease and its management | Teleconference |