

**RAMAIAH**College of Arts, Science &
Commerce

ಎಮ್ ಎಸ್ ರಾಮಯ್ಯ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು

M S Ramaiah College of Arts, Science and CommerceRe-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University,
Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2f & 12B of UGC act 1956**PERFORMANCE APPRAISAL FOR FACULTY****For the Period from 2021-22****Part-I**

1. Name of the Faculty Member **DR. VIBHA VINAYAKUMAR BHAT**
2. Designation: **ASSISTANT PROFESSOR**
3. Date of Birth **02/09/1988**
4. Educational Qualifications including professional and technical qualifications **M.Sc., Ph.D.**
5. Date of appointment to the present post **08/07/2019**

Part-II

1. Academic Qualifications **Nil**
2. Name of the Courses taught during the year
 - Chemistry Paper III (BSc)
 - Inorganic Chemistry paper 1 (MSc)
 - Chemistry Paper IV (BSc)
 - Inorganic Chemistry Paper II (MSc)
3. Maximum no. of periods per course available in the Semester as per Time – Table (Lectures & Practical)
 - 52 hrs - Chemistry Paper III (BSc)
 - 52 hrs - Inorganic Chemistry paper 1 (MSc)
 - 52 hrs - Chemistry Paper IV (BSc)
 - 52 hrs - Inorganic Chemistry Paper II (MSc)
 - 36 hrs - Chemistry Practical III (BSc) per batch

4. Teaching load mentioned in Time Table (Lectures & Practical)
- | |
|--|
| 26 hrs (Chemistry Paper III (BSc) |
| 26 hrs (Inorganic Chemistry paper I (MSc) |
| 26 hrs (Chemistry Paper IV (BSc) |
| 26 hrs (Inorganic Chemistry paper II (MSc) |
| 33 hrs - Chemistry Practical III (BSc) 3 |
5. No. of the Total Lectures (including delivered)
- | | | | |
|-----------------------------|------------------------|----------------------------|-----------------------------------|
| Chemistry paper 3 – 27 hrs | Shortfall (from 4 & 5) | Practical periods taken | Shortfall (from 4 & 5) Tutorials) |
| Inorg. Chemistry 1 – 26 hrs | Completed | 33 hrs per batch completed | |
| Chemistry paper 4 – 27 hrs | Completed | | |
| Inorg. Chemistry – | Going on | | |
| ----- | ----- | ----- | ----- |
6. Reasons for shortfall, if any, in Lectures and practical taken: Nil
7. Any specific problem of any student solved, or taken initiative to solve
- During Mentoring, solved the personal issues of a few students.
8. Research Guidance (give a brief description of each project and name the student (s) and Co-supervisor, if any. (Attach separate sheets, if needed).
- Guiding 4 MSc Students in Seed Money Research Grant.
Title: Synthesis of fumaramide derivatives of Lanthanum (III) complexes and their screening for AChE and BuChE inhibition activities
Role: Principal Investigator
9. Any project completed other than students' projects: Nil
10. Any new Experiment added in the Practical course: Nil
11. Any innovation of any type introduced in the course.: Nil
12. Papers published (give the title, Co-author, if any, and details of the Journals. Attach a separate sheet, if necessary).
- Vibha Vinayakumar Bhat**, P.R. Chetana, Mohan A Dhale, Sreejit Soman, Synthesis, characterization, *in vitro* biological evaluation and molecular docking studies of newly synthesized mononuclear lanthanum(III) complexes of *N,N'*-bis(2-aminoethyl)oxamide and phenanthroline bases, *Journal of Molecular Structure*, 2022, 1270, 133903. (Impact Factor 3.84)
<https://doi.org/10.1016/j.molstruc.2022.133903>

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13. Any contribution in Laboratory / Course Development, not mentioned above. Nil
14. Contribution to Industrial Development in the form of Consultancy / sponsored R.D: Nil
15. Contribution to University
 - (a) Curriculum development,
 - (b) Cultural /Extra Curricular activities
 - (c) Sports / Community and Extension services
 - (d) Administrative assignments (e) Any other

Meritorious Alumni Member of BoS, Department of Chemistry, BMS College for Women, Autonomous, Bengaluru.

Involved in Curriculum development

16. Contribution to Scientific / Technical education through the publication of Textbooks and Laboratory Manual, Special Lectures and organization of Seminars, symposiums, Summer or Winter schools etc.

- Book Chapter Accepted.

Vibha Vinayakumar Bhat, and P. R. Chetana, Lanthanum: Complexes with Variable Coordination and Versatile Applications, Book “*What to Know about Lanthanum*” (Chapter ID_77264; *In Press*), *Nova Publishers*, USA, **2022**. (In Press).

- Organized Faculty Development Program on ‘Spectroscopic techniques: A tool in contemporary research’ from Jan 10-14, 2021.
- In the organizing committee of Two days Workshop on “Instrumental methods of Chemical Analysis”.
- In the organizing committee of
- Guest Speaker for “5 days faculty development program” on the topic “Assessment and Accreditation Framework of NAAC” ” held from 7th February to 11th February 2022.
- Moodle Coordinator and Resource person for Biocon Ramaiah Academy QC& A Certificate program Batch 4, 2022.

17. Summer institute, Refresher or Orientation course attended, during the year, give details: Nil
18. Membership or Fellowship of Professional / Academic bodies, societies etc.give details.

Life Member of Luminescence Society of India: Karnataka Chapter



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19. Additional Contributions which are not covered above and which are relevant for assessment of faculty activities.

- Academic Member For IQAC, Criterion VI
- Conducted Value Added Program for Value- Added Program on “Software used in Chemistry & Biochemistry Research” organized from 02/05/2022 to 31/05/2022.
- Submitted Projects:
SERB – CRG (April 2022)
Title: Bio-screening of novel fluorescent mononuclear La(III) and Gd(III) complexes in Drosophila spp. for their theranostics applications
Role: Principal Investigator
Status: Accepted for Evaluation (Ref. No. 182022006172)

(Dr. Vibha Vinayakumar Bhat)

Signature

Designation: Assistant Professor, Department of Chemistry

Place: MSRCASC, Bengaluru

Date: 10/09/2022