

# **PROFILE**

## **1. PERSONAL DETAILS:**

|                 |   |                                 |
|-----------------|---|---------------------------------|
| Full Name:      | : | <b>Mr. Amol Jagannath Ghoti</b> |
| Post            | : | Assistant Professor             |
| Subject         | : | Chemistry                       |
| E-mail Address: | : | ghotiamol@gmail.com             |
| Contact No.:    | : | 02140250348                     |
| Nationality:    | : | Indian                          |



## **2. EDUCATIONAL QUALIFICATION:**

| S. No. | Examination | Board/University        | Year of Passing | Class / Division | Percentage |
|--------|-------------|-------------------------|-----------------|------------------|------------|
| 1.     | NET(JRF)    | CSIR                    | June-2015       | Qualified        | -          |
| 2.     | NET (JRF)   | CSIR                    | Dec-2015        | Qualified        | -          |
| 3.     | GATE        | IITR                    | FEB 2017        | Qualified        | -          |
| 4.     | GATE        | IITM                    | FEB 2019        | Qualified        | -          |
| 5.     | M.Sc.       | Dr. B.A.M.U. Aurangabad | 2014            | A+               | 73.66%     |
| 6.     | B.Sc.       | Dr. B.A.M.U. Aurangabad | 2012            | A+               | 66.98%     |

## **3. ADDITIONAL EDUCATIONAL QUALIFICATION:**

| S.No. | Examination                | Board/University         | Year of Passing | Class / Division | Percentage |
|-------|----------------------------|--------------------------|-----------------|------------------|------------|
| 1.    | Compulsory Computer course | Dr. B.A.M.U. Aurangabad. | 2011            | O                | 83%        |

## 4. ACADEMIC PROFILE

### 4.1. EXPERIENCE:

|    | Institute  | Position hold       | Period                        | Subjects/Classes Taught  |
|----|--|---------------------|-------------------------------|--|
| 1. | MTES's Doshi Vakil Arts and G.C.U.B. Science and Commerce College, Goregaon-Raigad | Assistant Professor | 15/06/2016<br>To<br>Till Date | 1. F.Y. B.Sc.- Inorganic Chemistry<br>2. S.Y. B.Sc.- Analytical Chemistry<br>3. T.Y. B.Sc.- Physical Chemistry |

- **RECOGNITION:** Recognition from the University of Mumbai as a PG Teacher from 23<sup>rd</sup> February 2022.

### 4.2. AREA OF RESEARCH

- Organic Synthesis, Material science and Metal oxide Nanoparticles.

### 4.2. AVISHKAR RESEARCH PROJECT (GUIDED)

1. Project name: 'Ultrasound promoted, rapid, green, one-pot synthesis of 1,8-dioxodecahydroacridines via multicomponent green catalyzed reaction', organized by Ramsheth Thakur College, Kharghar-Mumbai [15/12/2016]
2. Project Title- "*Multicomponent synthesis of Substituted Acridine 1,4-diones by ultrasonication method*" organized by Ramsheth Thakur College, Kharghar-Mumbai [15/12/2016].
3. Project name: 'Green synthesis of Iron oxide nanoparticles from Blumea plant extract' organized by the University of Mumbai 16<sup>th</sup> Inter-Collegiate/Institute/Department Avishkar Research Convention: 2021-22

### 4.3. LIST OF PUBLICATIONS

#### 4.3.1 PAPERS PUBLISHED IN JOURNALS

1. Pravin Chavan, **Amol Ghoti**, Shivaji Jadhav, Megha Rai; Synthesis of substituted pyrimidine derivatives by using InCl<sub>3</sub> catalyst via one pot multi-component reaction, *International journal of chemical and physical science*, 7, (2018), 53-57. [UGC listed, Impact factor- 0.7]
2. Sidram R. Pujari, Pravin B. Nagore, **Amol J. Ghoti** & Kanchan G. Mane; Novel Donor-Acceptor Based 2-Naphthol Luminophores Hole-Transporting Materials for Optoelectronics **Journal of Fluorescence**. <https://doi.org/10.1007/s10895-020-02655-3> (Nov-2020)

3. Pravinkumar Nagore, Suresh Ghotekar, Kanchan Mane, **Amol Ghoti**, Muhammad Bilal, Arpita Roy; Structural properties and antimicrobial activities of Polyalthia longifolia leaves extract mediated Cu-O nanoparticles published in **Bio Nano Science**. (Feb-2021)
4. Pravin Chavan, Amol Ghoti, Shivaji Jadhav, Megha Rai, Dhanraj Kamble, Rohini Shelke, Dattatraya N. Pansare, Ultrasound-Assisted, ZnCr2O4 Nanocatalyzed Synthesis of Substituted Tetrahydroquinolines via Povarov Reaction. **Letters in Applied Bio nanoscience**. **Indexed MDPI**, (Oct-2021).
5. Jagdish Thakur, Rakesh Pawar, **Amol Ghoti**; Assessment of the Quality of Sewage Effluent of Nira River Around Satara and Pune District of Maharashtra – India published in International Journal of **Advanced Research in Science, Communication and Technology (IJARSCT)** (2022/3)
6. Pravin Chavan, **Amol Ghoti**, Shivaji Jadhav, Rashmi Pathrikar, Megha Rai; Heterocycles via Cycloaddition under Ultrasound Irradiation: A Greener feature published in Chemistry & Biology Interface, An official Journal of **ISCB**. (30/06/2022).
7. PB Nagore, **AJ Ghoti**, AP Salve, KG Mane; Antimicrobial and Detoxification Study of Novel Luminescent CuO Nanoparticles Synthesized by White Garland Lily Leaves Extract published in **BioNanoScience** (12/2022).

#### **4.3.2 ORIENTATION/REFRESHER/STTP/FDP/TRAINING PROGRAMMES ATTENDED**

1. Successfully completed a **4-Week Induction/Orientation Programme** for "**Faculty in Universities/Colleges/Institutes of Higher Education**" from June 26 - July 24, 2020.
2. Successfully completed a **two-week interdisciplinary refresher course/faculty development Programme** for "**advanced research methodology tools and techniques**" from 30 January, 2021 – 14 February 2021.
3. Successfully completed two weeks of Refresher Course/FDP in **Chemical Science** from 01<sup>st</sup> February 2022 – 15<sup>th</sup> February 2022.
4. Successfully completed 12 weeks of NPTEL online course for '**Reagent in Organic Synthesis**' through Swayam, from July-October 2022.
5. Successfully completed 12 weeks of NPTEL online course for '**Principles of Organic Synthesis**' through Swayam, from July-October 2022.

#### 4.3.3 CONFERENCES/SEMINAR/WORKSHOP

##### ❖ 2016-17

1. Attended and presented a paper (Oral/Poster) entitled “Preparation, Spectral studies and characterization of Biological active mixed Ce(III) complex” in “**National Conference on Modern Research Trends in Chemistry and Allied Science**” at the Department of Chemistry, J.S.M. College, Alibag. University of Mumbai, on February 25<sup>th</sup>, 2017.

##### ❖ 2017-18

1. One day **National** level conference on “*Modern Research tools in Science*”, organized by G. M. Vedak College, Tala-Raigad, [19/8/2017]
2. One day **National** level conference on “*Application of Green Chemistry for Environment Protection*”, organized by Ghokhale Education Society, ASC College, Shrivardhan-Raigad, [6/1/2018].
3. Two day **International** conference on “**Abundance in Organometallic and Bio-Organometallic Chemistry-2018**” organized by Department of Chemistry, Institute of Chemical Technology, Mumbai, on 20<sup>th</sup> to 21<sup>st</sup> Feb-2018.

##### ❖ 2018-19

1. Two day **International Interdisciplinary** conference on “**Recent Trends in Science**” and presented paper/poster entitled Preparation, Spectral studies and characterization of Biological active mixed Ce(III) complex” organized by IQAC & Department of chemistry, Botany & Physics on 8<sup>th</sup> and 9<sup>th</sup> March-2019.
2. Attended workshop on “**Avishkar Research Convention: 2018-19**” organized by department of Students Development, University of Mumbai, at Arts, Commerce and Science Woman College, Dhatav, Dist-Raigad for Raigad District/Zone on September 7, 2018.

##### ❖ 2019-20

1. Attended workshop on “**Avishkar Research Convention: 2019-20**” organized by the Department of Students Development, University of Mumbai, Doshi Vakil Arts and G.C.U.B. Science and Commerce College, Goregaon-Raigad for zone V (Raigad District) on Monday, July 22, 2019.

##### ❖ 2020-21 (Online Conference/Webinar)

1. Attended International Web Conference on “**Impact of Covid-19 on Education system**” organized by Dr.B.A.M.U. Aurangabad and Computer Society of India, Wikimedia India and IETE held on 30 May 2020.
2. Attended Two days International Webinar on “**Selected Topics in Chemistry**” organized by Research & PG Department of Chemistry, Saraswathi Narayanan College, Madurai, Tamil Nadu, India on **29 & 30 July 2020**.

3. Attended One Day Webinar on **Teaching, Learning, and Evaluation using e-Tools jointly organized by** Department of Computer Department of Physics & Electronics, and IQAC Hislop College, Nagpur on **10/07/2020**.
4. Participated in National Level Workshop on **“e-Learning to e-Training”** Jointly organized by IQAC and Department of Commerce Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad on Tuesday, **26th May 2020**.
5. Attended Two days National Webinar entitled **“Chemistry at interface of Biology in response to Covid-19”**, organized by the Department of Chemistry, Shree Muktanad College, Gangapur, Dist-Aurangabad on 29-30, May 2020.
6. Participate in Central Vigilance Commission activity.
7. Participate in the **“Covid-19 Awareness Quiz”** organized by Department of Chemistry, M.E.S. College of Arts, Commerce and Science, Bangalore held on May 2020.
8. Attended Two days International Webinar on **“Online education and Cyber Security”** Organized by Wilson College and Indian Accounting Association (Thane branch) and University of Mumbai held on 22 and 23 July, 2020.
9. Participated One day National level webinar on **“Intellectual Property Rights”** organized by IQAC and Department of Zoology, G.M.Vedak College, Tala held on dated 22/02/2021.
10. Participated in the ne day international level Webinar on **“Bio-Nano Frontiers”** jointly organized by the IQAC & Department of Chemistry, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on 27th February, 2021.

#### ❖ **2021-22**

1. Participated in a one-day National level webinar on ‘India in 21<sup>st</sup> century’ jointly organized by IQAC and the Department of Commerce, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on 05<sup>th</sup> March 2022.
2. Participated in National level webinar on ‘स्त्रीवाद आणि आजची गरज’ jointly organized by IQAC and the Department of Marathi, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on 26<sup>th</sup> February, 2022.
3. Participated in an online international level workshop on ‘Research Methodology’ jointly organized by IQAC and the Research Commerce, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad and Rafiq Zakariya college for Woman Aurangabad held on 12<sup>th</sup> February, 2022.
4. Participated in a one-day National level workshop on ‘IPR and Patents’ jointly organized by IQAC, Science association and Research Commerce, Doshi Vakil Arts College, and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on 08<sup>th</sup> January 202
5. Participated in a one-day National level webinar on ‘Natural Disaster and its Management’

jointly organized by IQAC and Faculty of humanity, Arts and Science Mahavidyalay Jarud-Amravati, held on 3<sup>rd</sup> August 2021.

6. Participated in a one-day National webinar on 'Recent trends in Chemical Science' jointly organized by Deogiri College of Aurangabad and Shivchhatrapati College, Aurangabad, held on 28<sup>th</sup> September 2021.
7. Participated in a one-day National level webinar on 'Clean Energy and Solid Waste Management' jointly organized by IQAC and the Department of Chemistry, held on 3<sup>rd</sup> September 2021.

#### ❖ 2022-23

1. Participated in a one-day District level Workshop on 'Revised Syllabi of F.Y. B.Sc. (CBCS)' jointly organized by the Board of Studies in Chemistry, University of Mumbai and PES Bhausaheb Nene College, Pen held on 28<sup>th</sup> July 2021.

#### 4.3.4 ADOPTED INNOVATIVE TEACHING METHODS

1. Power point Presentation
2. Models use for Chemistry subject

#### 4.3.5 CHAIRPERSON / SECRETORY / MEMBER OF COMMITTEES OF CURRICULAR AND EXTRACURRICULAR AT UNIVERSITY LEVEL

1. Worked as a member of the Organizing Committee constitutes for the 14<sup>th</sup> Maharashtra state Inter-University Avishkar Research Convention:2019-20 organized by the Department of Student Development; the University of Mumbai dated 26/01/20120 to 31/01/2020.
2. Worked as a Practical External Examiner of the University of Mumbai.
3. Organized CHEMIAD competition in our college, organized by the department of chemistry, Savitribai Phule, Pune University, dated 11<sup>th</sup> Feb-2018, Feb-2019, 23<sup>rd</sup> Feb-2020.

#### 4.3.6 CHAIRPERSON / SECRETORY / MEMBER OF COMMITTEES OF CURRICULAR AND EXTRACURRICULAR AT COLLEGE LEVEL

1. Work as a member of One day workshop on the "Avishkar Research Convention", Jointly organized by the Department of student's development university of Mumbai and Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on Monday, July 22, 2019.
2. Work as a member of One day workshop on "Bio-Nano Frontiers", Jointly organized by IQAC and the Department of Chemistry, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on Monday, July 22, 2019.

3. *Science Project examined*, “Science Exhibition”, organized by N.M Joshi Junior College, Goregaon-Mangaon, Dist. Raigad, [06/12/2016].
4. Deliver Practical Demonstration to Raigad Jilha Parishad Vidyamandir Mulage ani Kanya Prathamik Shala, Goregaon-Raigad.
5. Participate in SRD/NRD selection, district-level NSS program organized by Doshi Vakil Arts College and GCUB Science & Commerce College, Goregaon-Raigad [13/8/2016]
6. Work as an organizing committee member of the IPR workshop. (2021-22).
7. Work as an organizing committee member of the Research Methodology workshop (2021-22).
8. Work as organizing the Hemoglobin Checking camp by the staff association committee. (2021-2022)

| <b>Committee</b>                                  | <b>Designation</b> | <b>Committee</b>  | <b>Designation</b> |
|---|--------------------|---|--------------------|
| Admission Committee<br>Year- 2016-17 to 2022-2023 | Member             | Science Association<br>(2016-17 to 2019-20, 2021-22 to 2022-23) | Member             |
| Exam Committee<br>(2019-20 to 2021-22)            | Member             | Exam Committee<br>(2022-23)                                     | IT<br>Coordinator  |
| Sports Committee<br>(2016-17 to 2022-23)          | Member             | Film Club<br>(2019-20 to 2022-23)                               | Member             |
| Women Development<br>(2019-2020)                  | Member             | Result Finalization Committee<br>(2017-18, 2019-20 to 2022-23)  | Member             |
| Prize distribution<br>(2016-17)                   | Member             | Marathi Wangmay Mandal<br>(2019-20 to 2022-23)                  | Member             |
| Amogh<br>2016-17 to 2022-23)                      | Member             | Social Science<br>(2016-2017)                                   | Member             |
| Staff Welfare<br>(2021-2022)                      | Chairperson        | Central Assessment process<br>(2022-2023)                       | Coordinator        |
| NAAC Criterion<br>(2016-17 to 2022-23)            | Member             | Result Distribution<br>2016-17 to 2018-19, 2021-22              | Member             |
| Degree Distribution<br>(20016-17 to 2019-20)      | Member             | Unfair means<br>2021-22   | Member             |
| Research Committee<br>(2021-22)                   | Member             | ABC ID<br>(2022-23)   | Member             |
| Tree plantation<br>(2016-17 to 2019-20, 2022-23)  | Member             |   |                    |

***Mr. Amol Jagannathan Ghoti***