

# PROFILE

## 1. PERSONAL DETAILS:

|                 |   |                                      |
|-----------------|---|--------------------------------------|
| Full Name:      | : | <b>Dr.Kanchan Gajendrakumar Mane</b> |
| Post            | : | Assistant Professor                  |
| Subject         | : | Chemistry                            |
| E-mail Address: | : | kanchanmane13@gmail.com              |
| Contact No.:    | : | 02140250348                          |
| Nationality:    | : | Indian                               |



## 2. EDUCATIONAL QUALIFICATION:

| Sr. No. | Examination | Board/University                | Year of Passing | Class / Division | Percentage |
|---------|-------------|---------------------------------|-----------------|------------------|------------|
| 1.      | Ph.D.       | PAH Solapur University, Solapur | 2020            | -                | -          |
| 2.      | SET         | Pune University                 | 2011            | -                | -          |
| 3.      | M.Sc.       | PAH Solapur University, Solapur | 2009            | -                | 62.45%     |
| 4.      | B.Sc.       | PAH Solapur University, Solapur | 2007            | -                | 55.68%     |

## 3. ADDITIONAL EDUCATIONAL QUALIFICATION:

| Sr.No. | Examination         | Board/University                                       | Year of Passing | Class / Division | Percentage |
|--------|---------------------|--|-----------------|------------------|------------|
| 1.     | MS-CIT              | Maharashtra State Board of Technical Education, Mumbai | 2004            | -                | 73 %       |
| 2.     | English Typewriting | Maharashtra State Bureau of Examination Pune           | 2001            | -                | 55 %       |

## 4. ACADEMIC PROFILE

### 4.1. EXPERIENCE:

|    | Institute  | Position hold       | Period  | Subjects/Classes Taught         |
|----|--|---------------------|---------|---------------------------------|
| 1. | MTES's Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad | Assistant Professor | 8 Years | Physical Chemistry (UG Classes) |

|    |                                       |          |         |                                    |
|----|---------------------------------------|----------|---------|------------------------------------|
| 2. | P.A.H. Solapur University,<br>Solapur | Lecturer | 3 Years | Physical Chemistry<br>(PG Classes) |
|----|---------------------------------------|----------|---------|------------------------------------|

#### 4.2. AREA OF RESEARCH

Photochemistry, Material Science, Nano chemistry.

#### 4.3. RESEARCH PROJECTS

| Sr. No. | Title of Project   | Funding agency       | Amount Received |
|---------|--|----------------------|-----------------|
| 1.      | <b>“Studies on Preparation and Characterization of Organo-Luminescent Materials and Doped Polymer Thin Films.”</b> | University of Mumbai | 40,000/-        |

#### 4.4. LIST OF PUBLICATIONS

##### 4.3.1 PAPERS PUBLISHED IN JOURNALS

1. **K.G.Mane**, PB Nagore, SR Pujari, Green light emitting tricomponent luminophors of 2-naphthol for construction of organic light emitting, IJPET, (8) 38-42 (2017) (Peer reviewed and UGC listed) (Publisher- Novateur Publication)  
ISSN: 2581-4230 <https://repo.journalnx.com/index.php/nx/article/view/2288/2247>
2. **K.G.Mane**, PB Nagore, SR Pujari, Synthesis, Photophysical, electrochemical and thermal investigation of anthracene doped 2-Naphthol Luminophors and their thin films for optoelectronic devices, Journal of Fluorescence 28 (5), 1023-1028 (July.2018) (SCI indexed) (Impact factor- 1.863) (Publisher- Springer Nature)  
ISSN: 1053-0509 <https://doi.org/10.1007/s10895-018-2265-9>
3. **K.G.Mane**, PB Nagore, SR Pujari, Synthesis, Photophysical, electrochemical and thermal study of biphenyl Luminophors: green light emitting materials, Journal of Fluorescence 29 (1), 177-183 (Dec.2018) (SCI indexed) (Impact factor- 1.863) (Publisher- Springer Nature)  
ISSN: 1053-0509 <https://doi.org/10.1007/s10895-018-2325-1>
4. **K.G.Mane**, PB Nagore, SR Pujari, Synthesis of Highly Fluorescent DA Based p-Terphenyl Luminophors and their Thin Films for Optoelectronic Applications, , Journal of Fluorescence 29 (4), 1001-1006 (July.2019) (SCI indexed) (Impact factor- 2.093) (Publisher- Springer Nature)  
ISSN: 1053-0509 <https://doi.org/10.1007/s10895-019-02413-0>

5. **K.G.Mane**, PB Nagore, SR Pujari, Novel 2-naphthol luminophors for optoelectronics, Applied Physics A 125 (10), 1-6 (Sept. 2019) (SCI indexed) (Impact factor- 1.810) (Publisher- Springer Nature)  
ISSN: 0947-8396 <https://doi.org/10.1007/s00339-019-3024-8>
6. **K.G.Mane**, PB Nagore, SR Pujari, Photophysical and structural aspects of perylene-doped 2-naphthol luminophors: Green emission by exciplex formation, Luminescence, 35 (2), 292-298 (Nov.2019) (SCI indexed) (Impact factor- 1.855) (Publisher- Wiley Online Library)  
ISSN: 1522-7243 <https://doi.org/10.1002/bio.3726>
7. **K.G.Mane**, PB Nagore, SR Pujari, Synthesis of Novel Blue and Green Light Emitting 4-Nitrophenol Luminophors for Optoelectronics, Journal of fluorescence 29 (6), 1371-1380 (Nov.2019) (SCI indexed) (Impact factor- 2.093) (Publisher- Springer Nature)  
ISSN: 1053-0509 <https://doi.org/10.1007/s10895-019-02447-4>
8. Sidram R. Pujari, Pravin B. Nagore, Amol J. Ghoti & **Kanchan G. Mane**, Novel Donor-Acceptor Based 2-Naphthol Luminophors as Hole-Transporting Materials for Optoelectronics, Journal of Fluorescence 31 (1), 259-267 (Nov.2020) (SCI indexed) (Impact factor- 2.093) (Publisher- Springer Nature)  
ISSN: 1053-0509 <https://doi.org/10.1007/s10895-020-02655-3>
9. Pravinkumar Nagore, Suresh Ghotekar, **Kanchan Mane**, Amol Ghoti, Muhammad Bilal, Arpita Roy, Structural properties and antimicrobial activities of Polyalthia longifolia leaves extract mediated CuO nanoparticles, Bionanosciece (Published online on 4<sup>th</sup> March 2021) (Scopus indexed).(Publisher- Springer Nature)  
Print ISSN 2191-1630 <https://doi.org/10.1007/s12668-021-00851-4>

#### 4.3.2 PAPERS PUBLISHED IN PROCEEDINGS

1. **K.G.Mane and P.B.Nagore**, “One pot multicomponent synthesis of  $\beta$ -aminoketones-Mannich reaction using natural catalyst”, state level conference proceedings of the Anandibai Pradhan Sci. College & Mumbai University, on 19<sup>th</sup> Dec.2016.

#### 4.3.3 ORIENTATION/REFRESHER/STTP/FDP/TRAINING PROGRAMMES ATTENDED

1. Attended “**General Orientation Programmme**” at A.S.C. Savitribai Phule Pune University, Pune funded by UGC during the period 03<sup>rd</sup> Aug. to 30<sup>th</sup> Aug., 2015.
2. Attended “**Refresher Course**” at University of Mumbai, Mumbai funded by UGC during the period 25<sup>th</sup> Oct. to 14<sup>th</sup> Nov., 2017.

3. Attended online “**Refresher Course**” on ADVANCED RESEARCH METHODOLOGY Tools and Techniques organised by T.L.C., Ramanujan College, University of Delhi under the aegis of Ministry of Education, PMMMNMTT during the period 30<sup>th</sup> Jan.2021 to 14<sup>th</sup> Feb., 2021.

#### 4.3.4 CONFERENCES/SEMINAR/WORKSHOP

##### WORKSHOP

1. Attended Half day workshop on “Academic Performance Indicator” held on 8<sup>th</sup> Oct.2012 organized by J. M. Patel College of Commerce, Goregaon-Mumbai.
2. Attended workshop on “Avishkar Research Convention” held on 6<sup>th</sup> Sept. 2012 organized by C K T Arts, commerce and science college, New Panvel.
3. Attended Half day workshop on “Academic Performance Indicator” held on 28<sup>th</sup> Oct.2012 organized by Doshi Vakil Arts College and GCUB Science & commerce college, Goregaon-Raigad.
4. Attended one day workshop on “Laboratory Safety” held on 28<sup>th</sup> Oct.2012 organized by Doshi Vakil Arts College and GCUB Science & commerce college, Goregaon-Raigad.
5. Attended one day state level workshop on “Chromatography” held on 21<sup>st</sup> Nov. 2015 organized by Rajiv Gandhi College of Arts, Commerce and Science, Vashi, Navi Mumbai.
6. Attended workshop on “Revised syllabi” held on 2<sup>nd</sup> March. 2016 organized by Doshi Vakil Arts College and GCUB Science & Commerce College, Goregaon-Raigad & Board of Studies in Chemistry, University of Mumbai.

##### CONFERENCES

1. Paper presented in National level conference on “**Recent Advances in Chemical Sciences: An Indian Perspective**” sponsored by UGC & Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on 28<sup>th</sup>-29<sup>th</sup> Dec.2012 topic entitled, “Analysis of Bori river water quality at Akkalkot”
2. Attended International conference on “**Recent trade in drug discovery and Green Chemistry**” sponsored organized by M.B.More Foundation’s Arts Commerce And Science Women College, Roha, Raigad, Maharashtra, India, on 9<sup>th</sup> Jan 2016.
3. Paper presented in National level conference on “**Modern research tools in Science**” organized by G. M. Vedak, College, Tala-Raigad on 19<sup>th</sup> Aug. 2017 topic entitled,

“Synthesis and Characterization of Biphenyl Luminophors in crystalline powders for scintillation”.

4. Paper presented in National level conference on **“Innovations in Chemistry”** organized by D.B.F. Dayanand College of Arts and Science, Solapur, on 30<sup>th</sup> April 2017 topic entitled, “Preparation and characterization of anthracene doped 2-naphthol polycrystalline powders for scintillation applications”.
5. Paper presented in National level conference on **“Recent advances in chemical sciences” (RACS - 2017)**, held at School of Chemical Sciences, Solapur University, Solapur on 26<sup>th</sup> November 2017 topic entitled, “Preparation and characterization of doped organo-luminophors for scintillation applications”.
6. Paper presented in International Symposium, **“Exploring New Horizons in Chemical Sciences” (ENHCS-2019)**, held at Deogiri College, Aurangabad during the period 10<sup>th</sup> - 12<sup>th</sup> January 2019 topic entitled, “Preparation and investigation of photophysical, electrochemical and thermal properties of pyrene doped 2-naphthol luminophors for optoelectronic devices”.
7. Paper presented in National conference on **“Advances in Condensed Matter Physics” (NCACMP- 2019)**, held at D.B.F. Dayanand College of Arts & Science, Solapur on 28<sup>th</sup> February 2019 topic entitled, “Fluorescence study of model organic semiconducting molecule in polymer matrix”.
8. Attended **“Covid-19 Awareness Quiz”** 2020 organised by M.E.S. College of Arts, Commerce and Science, Bangalore held in May-2020
9. Attended One day webinar on **“Bio-Nano Frontiers”** jointly organized by IQAC and Department of Chemistry, Doshi Vakil Arts College and G.C.U.B. Science & Commerce College, Goregaon-Raigad held on Monday Feb. 27, 2021.
10. 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**.

---

#### **4.3.5 ACHIEVEMENT / AWARDS /GUEST LECTURE**

---

1. **Recognised P.G. Teacher** for M.Sc. degree in the subject of Physical Chemistry (By Papers) from 25<sup>th</sup> March 2019.

2. Guest lecture at Sundarrao More College of Arts, Commerce and Science, Poladpur, Dist. Raigad.

#### **4.3.6 ADOPTED INNOVATIVE TEACHING METHODS**

Group Discussion, Seminars, PowerPoint presentations, Video lectures, Use of Models, etc.

-

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

1. Worked as an **External Practical Examiner** for B.Sc. Chemistry Students of University of Mumbai.
2. Organization of **CHEMIAD** competition in our college conducted by **Department of Chemistry, Savitribai Phule, Pune University**, dated **20<sup>th</sup> Jan.2013, 7<sup>th</sup> Feb 2016, 26<sup>th</sup> Feb.2017, 11<sup>th</sup> Feb-2018, Feb-2019, 23<sup>rd</sup> Feb-2020.**

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

|             |  |        |   |
|-------------|--|--------|---|
| Member      | Sports Committee(2012,2013,2015)                     | Member | Admission Committee (2013,2014,2015,2016,2017,2018) |
| Member      | Examination Committee(2012,2013,2015)                | Member | Time table Committee (2014)                         |
| Chairperson | Counseling Committee (2012,2013,2014,2015,2016,2017) | Member | Result Finalization Committee (2016)                |
| Member      | Women Development Cell (2012,2013,2014,2015)         | Member | Science Association (2012,2015)                     |
| Chairperson | (2016,2017,2018,2019,2020)                           |        |   |
| Member      | NSS Advisory Committee (2016, 2019)                  | Member | College Development Committee (2018,2019,2020)      |