

Mr. Raviraja Tukaram Patil

M. Sc., SET, GATE

Address for correspondence

2748 B Ward, Mandalik Galli

Mangalwar Peth, Kolhapur.

Pin-416012

(M.S.) India

PERMANENT ADDRESS

2748 B Ward, Mandalik
Galli, Mangalwar Peth,
Kolhapur. Pin-416012(M.S.)
India

PERSONAL DETAILS

Birth Date : 27th July 1987
Sex: Male
Cast: Open (Hindu-Maratha)
Nationality : Indian
Marital Status : Married

Academic Details:

1. Ph.D. in Physics (Pursuing)

At Department of Physics, Shivaji University, Kolhapur, Pin:416004 (M.S.)
India

Thesis title- "Chemically Synthesized Nickel-Cobalt Oxide Thin Films For
Supercapacitor Application."

2.MH-SET (2018)

Held by Savitribai Phule University Pune.

3.GATE (2015)

Conducted jointly by IISc and seven IIT's on behalf of the National Co-
ordination board-GATE, Department of Higher Education, Ministry of
Human Resource Development (MHRD), Government of India.

4. M.Sc. in Physics (October-2010)

From Department of Physics, Shivaji University, Kolhapur, Pin:416004
(M.S.) India

Specialization: Theoretical Physics

5. B.Sc. in Physics (March-2008)

From The New College, Kolhapur (M.S.) India. Affiliated to Shivaji
University, Kolhapur, Pin: 416012 (M.S.) India.

6. H.S.C. (February-2005)

Maharashtra High school & Jr. College, Kolhapur, Pin: 416012 (M.S.)
India.

7. S.S.C. (March-2003)

Maharashtra High school, Kolhapur, Pin: 416012 (M.S.) India.

Academic Record:

| Sr. No. | Course Name | Board/University | Subject | % of marks | Class | Year of passing |
|---------|------------------|------------------------------|---------|------------|-------------|-----------------|
| 1. | Ph.D. (Perusing) | Shivaji University, Kolhapur | Physics | - | - | - |
| 2. | SET | Pune University | Physics | - | - | 2018 |
| 3. | GATE | - | Physics | - | - | 2015 |
| 4. | M.Sc. | Shivaji University, Kolhapur | Physics | 59.16 | Distinction | 2010 |
| 5. | B.Sc. | Shivaji University, Kolhapur | Physics | 60.92 | First class | 2008 |
| 6. | H. S. C. | MSBSHSE, Pune | Science | 48.67 | First class | 2005 |
| 7. | S. S. C. | MSBSHSE, Pune | - | 77.20 | Distinction | 2003 |

Teaching Experience:

- Worked as "Assistant Professor" at Rajarshi Chhatrapati Shahu College, Kolhapur.
- Worked as "Assistant Professor" at Karmveer Bhourao Patil College of Eng. and Poly., Satara.

TECHNICAL SKILLS:

Synthesis technique

- Synthesis of thin films by Chemical bath deposition technique (CBD), Hydrothermal, Successive ionic layer adsorption and reaction (SILAR) technique, electrodeposition technique.

Equipment, Plants and Machinery Handled

- High temperature programmable furnace
- Electrochemical work station

Computer Proficiency

- Operating systems Windows 7/8/8.1/10
- MS-Office 2007/2013/2016
- Origin 8.5/2013

Other Certificates:

- a. NCC Certificate 'A' (2002)
- b. NCC Certificate 'B' (2006)
- c. NCC Certificate 'C' (2008)

Research Activity:

List of articles published in Journal Publications

[1] N. C. Maile, S. K. Shinde, **R. T. Patil**, A. V. Fulari, R. R. Koli, D. Y. Kim, D. S. Lee, V. J. Fulari, "Structural and morphological changes in binder-free MnCo_2O_4 electrodes for supercapacitor applications: effect of deposition parameters", Journal of Materials Science: Materials in Electronics, 30(2019), 3729-3743. **IF:2.220**

[2] N. C. Maile, **R. T. Patil**, S. K. Shinde, D. Y. Kim, A. V. Fulari, D. S. Lee, V. J. Fulari, "Facial growth of $\text{Co}(\text{OH})_2$ nanoflakes on stainless steel for supercapacitors: effect of deposition potential", Journal of Materials Science: Materials in Electronics, 30(2019), 5555-5566. **IF:2.220**

[3] A. S. Patil, **R. T. Patil**, G. M. Lohar, Vijay J. Fulari, Facile synthesis of CuO nanostructures for non-enzymatic glucose sensor by modified SILAR method, Applied Physics A 127 (2021) 101. **IF:11.810**

[4] D. P. Mali, **R.T. Patil**, A. S. Patil, V. J. Fulari (2021), Facile synthesis of NiO nanoflakes via hydrothermal route: Effect of urea concentration, Chemical Physics Letters, 770 (2021) 138-431. **IF:2.029**

[5] A. S. Patil, **R. T. Patil**, G. M. Lohar, Vijay J. Fulari (2021) Chemically synthesized CuO nanostructures for non-enzymatic glucose sensor: effect of deposition time J Mater Sci: Mater Electron, 32 (2021) 8819-8828. **IF:2.220**

[6] A. S. Patil, **R. T. Patil**, Vijay J. Fulari (2021) Surfactant Assisted Synthesis of CuO Nanostructures for Non-enzymatic Glucose Sensor, Materials Today: Proceedings, 46 (2021) 2340-2346 **IF:0.9**

[7] **R. T. Patil**, A. S. Patil, S. S. Patil, N. B. Wadakar, T. M. Patil, S. D. Dhas, Vijay J. Fulari (2022) The influence of deposition time on morphological and electrochemical properties of binder free interconnected $\text{Co}(\text{OH})_2$ nanoflakes, Materials Today: Proceedings, 46 (2021) 2340-2346 **IF:1.2**

Papers/ Posters/ Workshop presented/accepted in International Conferences / Symposia:

[1] Participation-

R. T. Patil, attended the "Induction Programme for Teachers" under lead college scheme organized by Karmveer Bhaurao Patil College of Engg. And Poly., Satara (30th March. 2012).

[2] Participation-

R. T. Patil, worked as a member of organizing committee in five day "Rayat Inspire Camp" organized by Rajarshi Chhatrapati Shahu College, Kolhapur, (26th to 30th Dec. 2016).

[3] Participation-

R. T. Patil, International conference on nanotechnology addressing the convergence of material science, biotechnology and medical science-2017, organized by D. Y. Patil Education Society, Kolhapur, ((9th-11th Nov. 2017)

[4] Participation-

R. T. Patil, Lead College One Day Seminar in Physics organized by Rajarshi Chhatrapati Shahu College Kolhapur, (19th Jan. 2017).

[5] Participation-

R. T. Patil, International Conference on Multifunctional and Hybrid Materials for Energy And Environment (MHMME-2020)

[6] Participation-

R. T. Patil, Fifth International Conference on Advances in Materials Science (ICAMS - 2020) (e-conference)

[7] Participation-

R. T. Patil, worked as a local organizing committee member 4th ICPM-MDF-2019, Department of Physics, Shivaji University, Kolhapur, ((10th & 11th Jan. 2019).

[8] Participation-

R. T. Patil, Two day National workshop on "e-content development for Blended Learning" organized by Rajarshi Chhatrapati Shahu College Kolhapur, (5th and 6th March 2019).