



Profile of the Faculty

1. General Information:

Name of the Faculty	:	Rahul Nitin Patil
Name of the Department	:	Chemistry
Educational Qualifications	:	M.Sc. (Analytical Chemistry), Ph.D.(Pursuing)
Present Position	:	Assistant Professor
Address for Correspondence	:	At-Devloli (Sawale), Post-Rasayani, Tal-Panvel
E-mail	:	Patilrahulraj999@gmail.com
Contact Number	:	9920746496
Specialization	:	Analytical Chemistry
Total teaching experience	:	08
Courses taught	:	F.Y.B.Sc., S.Y.B.Sc., M.Sc.-I and M.Sc.-II
Research experience	:	-05
Number of students registered for Ph.D. degree	:	-
Number of students awarded Ph.D. degree	:	-
Number of students registered for P.G degree by research	:	-
Number of students awarded P.G degree by research	:	-

2. Publication of Research Papers:

UGC listed journals	:	-
Peer reviewed journals	:	-
Non-peer reviewed journals	:	-
Conference proceedings	:	-

3. List of Publication of Research Papers:

1.Synthesis and Characterization of Metal Oxide Nanoparticles: Approaches and Techniques. Futuristic Trends in Chemical ,Material Sciences & Nano Technology 978-93-5747-960-8(2024)

2. Study of Bioaccumulation of Toxic Heavy Metals in the Siluriform fish found in Patalganga River and Possible Health Risk Associated with its consumption” an International Journal of Advance and Innovative Research (2019)

4. Books authored:

International Publisher	:	-
National Publisher	:	02
Chapter in edited book	:	-
Edited book by International publisher	:	-
Edited book by National publisher	:	-

5. List of Books authored: -

- 1.F.Y.B.Sc. Practicals in Good Laboratory Practices(Sem-I,II) 2023-24 Sheth Publication
- 2.F.Y.B.Sc.(Minor)Practicals in Chemistry (Sem-I,II) 2023-24 Sheth Publication

6. Major Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency
-	-	-	-	-

7. Minor Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency
-	-	-	-	-

8. Patents:

Status	National	International
Applied	04	-
Granted	-	-

9. List of patents: -

1. **Smart Trash Bin for Bifurcating Different Waste** Published on 2nd April 2025 Patent number 202521032699

2. Multipurpose A.I. Gadget for Analysis of Various Parameters Published on 2nd April 2025 Patent number 202521032702

3. Safe Lab Armour Tray for Laboratory Published on 2nd April 2025 Patent number 202521032701

4. Biosentinal-A biosensor to detect carcinogen from the surface of fruits and vegetables filed on 16 June 2025 Application number 202521057814.

10. Membership: -

11. Consultancy service provided and Revenue generated: -

12. Academic Staff College Orientation/Refresher courses attended:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	-	-	-
Refresher Course	-	-	-
Refresher Course	-	-	-
Short Term Course	-	-	-

13. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended	Chaired session	Resource person
International	-	01	-	-
National	-	12	-	-
State	-	-	-	-
University	-	06	-	-

14. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
International	-	-
National	-	-
State	-	-
University	-	-

15. Experience on the various committees at the college- 08

16. Experience on the NAAC/ IQAC of the college-08

17. Experience on the Various Committees at the University of Mumbai / Government -

18. Awards/recognitions received :

Level	Title	Year	Awarding agency
International	-	-	-
National	-	-	-
State	-	-	-
University	-	-	-