

TEACHER PROFILE

1. Personal Details:

Name : Mr. Nitin Maruti Naik
Present Position : Assistant Professor
Address (Office) : Dept. of Microbiology, Shivaji University, Kolhapur, (MH), India. 416008
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Date of Birth : 23/01/1993
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2. Academic Details:

| Examination | Discipline/ Specialization | Board / University | Year of Passing | Percentage |
|---------------|---|---|--------------------|------------|
| Ph. D. | Microbiology | Shivaji University, Kolhapur | Ongoing | - |
| SET | Life science | Savitribai Phule, Pune university, Pune | 2019 | - |
| M. Sc. | Microbiology | Shivaji University, Kolhapur | 2016 | 59.96 |
| P. G. Diploma | Bioinformatics | Shivaji University, Kolhapur | 2016 | 84 |
| P. G. Diploma | Green Chemistry & Crop Protection | Shivaji University, Kolhapur | 2017 | 74 |
| B. Sc. | Microbiology | Shivaji University, Kolhapur | 2014 | 72.52 |

*Completed M. Sc. Through “EARN & LEARN” Scheme of Shivaji University Kolhapur.

3. Research Specialization:

- **Microbiology:** Antibiotic Resistance, Antimicrobial peptides.
- **Bioinformatics.:** Homology Modelling, Molecular Docking, Molecular Dynamic Simulations.

4. Teaching Experience/ Research Experience:

- U.G.: 2 Years. P.G.: 4 years.

| Name of the Institution/ Organization | Designation | Period | | Classes Taught |
|--|---|------------|------------|--|
| | | From | To | |
| Department of Microbiology, Shivaji University Kolhapur | Assistant Professor | 11/02/2023 | Till date | M. Sc. Microbiology & M. Sc. Pharmaceutical Microbiology |
| | | 18/10/2022 | 15-12-2022 | |
| | | 28/10/2021 | 27/09/2022 | |
| | Research Assistant Under DST-PURSE Phase-II | 13/03/2021 | 27/10/2021 | |
| | | 17/12/2019 | 16/11/2020 | |
| | Teaching Assistant | 14/08/2019 | 16/12/2019 | |
| | | 29/08/2018 | 16/05/2019 | |
| Department of Microbiology, Dahiwadi College, Dahiwadi, Rayat Shikshan Sanstha, Satara | Assistant Professor and Head | 05/08/2016 | 28/08/2018 | B. Sc. Microbiology |

5. Research Guidance:

- **PG Programs:** M.Sc. Microbiology and P. G. Diploma in Bioinformatics
- **M. Sc. Projects:** 5 projects guided and 5 projects ongoing
- **P. G. Diploma in Bioinformatics Projects:** 3 project Guided 2 projects ongoing

6. Research Publication:

(Total number: **03**, Citations: **58**, h index: **02**, i-10 index: **02**)

1. Sonawane, K. D., Barale, S. S., Dhanavade, M. J., Waghmare, S. R., Nadaf, N. H., Kamble, S. A., Mohammed, A. A., Makandar, A. M., Fandilolu, P. M., Dound, A. S., **Naik, N. M.**, & More, V. B. (2021). Structural insights and inhibition mechanism of TMPRSS2 by experimentally known inhibitors Camostat mesylate, Nafamostat and Bromhexine hydrochloride to control SARS-coronavirus-2: A molecular modeling approach. *Informatics in Medicine Unlocked*, 24, 100597. <https://doi.org/10.1016/j.imu.2021.100597>
 2. Hiwarale, D. P., Chandane, W. B., Deshmukh, S. M., Arde, S. M., Sonawane, V. D., Kukade, M. G., **Naik, N. M.**, Sonawane, K. D., Rashinkar, G. S., & Sonkamble, S. G. (2023). Green synthesis, antimycobacterial evaluation and molecular docking studies of novel 2,3-dihydro-1H-pyrazol-4-yl-naphthalene-1,4-diones. *Journal of Molecular Structure*, 1286, 135556. <https://doi.org/10.1016/j.molstruc.2023.135556>
 3. Kamble, S. J., Tawade, A. K., Pawar, K. D., Kamble, J. B., Kamble, P. D., More, V. B., **Naik, N. M.**, Koli, V. B., Kamble, G. S., & Patil, J. M. (2023). Electrochemical Sensing of Dopamine at Biogenic Gold Nanoparticles Interface. *Asian Journal of Chemistry*, 35(5), 1243–1249. <https://doi.org/10.14233/ajchem.2023.27786>
- **Preprint: (01)**
 - 1. Sonawane K. D., Barale S. S., Dhanavade M. J., Waghmare S. R., Nadaf N. H., Kamble S. A., Mohammed A. A., Makandar A. M., Fandilolu P. M., Dound A. S., **Naik N. M.** (2020). Homology modeling and docking studies of TMPRSS2 with experimentally known inhibitors Camostat mesylate, Nafamostat and Bromhexine hydrochloride to control SARS-Coronavirus-2. *ChemRxiv*. doi: <https://doi.org/10.26434/chemrxiv.12162360.v>

7. Conferences Attended:

- **National**
 1. Attended one day “National Level Competition on Biological Sciences (BioComp-2015), Organized by Department of Microbiology, Shivaji University, Kolhapur, 30th January, 2015.
- **International:**
 1. Participated in 102nd Indian Science Congress International Conference Held at University of Mumbai From January 3rd to 7th, 2015.

8. Research Project Work: Nil

9. Membership / Other Charges:

1. Reviewer for reputed journal such as “Computers in Biology and Medicine.” (**IF:6.69**)

10. Honors / Rewards:

1. (2015) “**Late Sou. Shrimanti Namdev Kadam Memorial prize**” form Shivaji University Kolhapur for securing highest number of marks at B. Sc Degree & have admitted the M. Sc. course under the Earn and Learn Scheme at Appasaheb Pawar Vidharthi Bhavan Shivaji University Kolhapur.

2. (2012) Got **Third Prize** in state level **Oral competition** on the topic “**New Generation Vaccines**” Held at Rajaram College Kolhapur.

11. Other information:

- Worked as **committee member** in “Science Week” under the theme of “Azadi ka Amrit Mahotsav” organized by SAIF, DST Centre Shivaji University, Kolhapur funded by Department of Science and Technology, Government of India During 22-28 February, 2022.
- Delivered a **guest lecture** on the topic “Use of Microorganisms in Recycling Biological waste” for the workshop “recycling of biological waste by Vermicomposting” on 10th February, 2020.
- Worked as **resource person** and given talk on “Model Based Learning” on 12th October 2019 at Balwant College Vita.
- **Participated in the workshop** entitled “Research as Career: Opportunities abroad and associated preparations”, which was jointly organized by International Affairs cell (IAC) and Department of Chemistry, Shivaji University, Kolhapur, under SUGAR (Shivaji University Group for Advanced Research) and UGC-STRIDE on 13th February, 2021.
- Participated in One day National Workshop on “Intellectual Property Rights” at Y. C. College of Science Karad on 27th December, 2019.
- Delivered a **guest lecture** on the short-term course “Computational Biology and Bioinformatics” at S. M. Joshi college, Hadapsar, Pune from 2nd to 10th February, 2022.
- Participated and successfully completed hands on training program on Formulation Development Aspects of Nanotechnology based Drug Delivery Systems under the DST-STUTI program Department of Science and technology Government of India, from 18th to 24th August, 2022.
- Participated in **NSS activities** and Successfully completed College level camp at Takali Tel Miraj -from 22/12/2011 to 28/12/2011 & University level Camp at Shivaji University Kolhapur 23/02/2012 to 28/02/2012.
- Given Best contribution in the Annual Magazine (**Yashawant 2013-14**) at Miraj Mahavidhyalaya Miraj.
- Given Training for students in Campus Project of Dahiwadi college Dahiwadi “**Vermicomposting and Vermiculturing**” in the 2016/17.
- Worked as (**NAAC criteria-VII**) **Member** at Dahiwadi College Dahiwadi.
- Worked as **Resource person** on 28th December 2017 for five days **Rayat Inspire Camp for High School Students** (Research Assistants) at Dahiwadi College Dahiwadi.
- Participated in One Day Workshop on New Changed Syllabus (CBCS) of B. Sc.-I (Sem-I) Microbiology 14th August 2018 at Y. C. College of Science Karad.
- Participated and given introduction of Microbiological research at “**15th little scientist festival**” organized by Parvati Shankar Vidhyalaya Uttur in association with Marathi Vidhnyan Parishad Gadhinglaj (Aajara Vibhag)

Date: 02-05-2023

Mr. Nitin Maruti Naik