

Shri Shivaji College of Arts, Commerce and Science, Akola

Faculty Profile (Bio-data of faculty members) (Needed for updating the college website)



1. Name: **Mr.Sanjiv Murlidhar Patil**
2. Address (residential) : Jijau Nagar, Balode Layout, Hingna Road, Akola.
3. Phone No. / Cell No: 09922252051
4. E-mail address: sanjivmpatil.biochem@gmail.com
5. Designation: Head and Assistant Professor
6. Department : Biochemistry
7. Date of birth: 18/09/1982
8. Area of specialization: Clinical and Plant Biochemistry

2. Academic qualification:-

Examination passed	Board/ University	Subject Specialization	Year of passing	Division/ Grade/ Merit
State Eligibility Test (SET)	UGC – University Grant Commission.	Biochemistry	2014	I Class with Distinction (Stood 1 st in all over Maharashtra and Goa).
Master's Degree (M.Sc.)	North Maharashtra University, Jalgaon	Biochemistry	2005	I Class
Bachelor's Degree (B.Sc.)	North Maharashtra University, Jalgaon	Botony, Chemistry, Microbiology	2003	I Class with Distinction

1. Membership of Academic Organizations:

- a. Member of Subject Examination Committee appointed by Board of studies in Biochemistry (including Microbiology) Amravati University for revision and preparation of B.Sc. I , II & III Biochemistry syllabus □
- b. Member of Subject Examination Committee appointed by Board of studies in Biochemistry Kaviyatri Bahinabai Chaudhary North Maharashtra University for revision and preparation of B.Sc. I , II & III Biochemistry syllabus □
- c. In charge, Health Center Shri Shivaji College of Arts, Commerce and Science, Akola
- d. Co-ordinator for Career Oriented Program including CCLT, DCLT and ADCLT (running parallel to B.Sc. Biochemistry Course), Conducted by Department of Biochemistry, Shri Shivaji College of Arts, Commerce and Science, Akola.
- e. Presently working as an Assistant Professor and Head, Department of Biochemistry, Shri Shivaji College of Arts, Commerce and Science, Akola, from 20/09/2020 till date.
- f. Have attended confidential work as an Examiner, Paper Setter, Moderator at Sant Gadge Baba Amravati University Level.

g. Worked as a Head & Assistant Professor (Adhoc) at Department of Biochemistry Shri Shivaji Vidya Prasarak Sanstha's Dr. P. R. Ghogrey Science College, Dhule from 5 July 2012 to 24/12/16.

h. Have attended confidential work as an Examiner, Paper Setter, Moderator at North Maharashtra University Level.

2. Research Experience:

a. Guided M. Sc. Dissertations- 16 Students □

b. Pursuing Ph.D. on topic "Isolation and Purification of Carpain from *Carica Papaya* from potential plant source (s) and its applications. under the supervision of Dr. Bhushan Kavimandan in subject Biochemistry in Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon. □

c. Presented a research paper on "Assessment of invitro Antacid activity of *Foeniculum vuigare*, *Coriandrum sativum* and *Leptospermum scoparium* by A Modified Artificial Stomach Model" in International Conference on "Recent trends in Science and Technology" Organised by S.S.S.K.R. Innani Mahavidyalaya, Karanja, Dist. Washimon 22 & 23 March, 2018.

d. Presented a paper on "Screening of antimicrobial activity of *Berberis aristata*" in state level seminar Exploration of Biochemistry and Molecular biology for betterment of human life. sponsored by UGC and organised by Arts and Science college, Pulgaon on 29th January 2014.

e. Presented a paper entitled "Synergistic and Antagonistic effects of some medicinal plants with their Antimicrobial activity" in the National Conference on New insights of Microbial biotechnology organised by the Microbiology and Biotechnology Department of S.S.V.P.S Dr. P. R. Ghogrey Science collage Dhule and sponsored by UGC, WRO, Pune in collaboration with Biotech Research Society of India (BRSI), NMU, Jalgaon.

f. Presented a poster in UGC sponsored National Conference on "Recent Advances in Chemical Sciences" Organised by Department of Chemistry, Shri Shivaji College of Science, Akola on 26th -27th Feb. 2018.

3. Number of Publication :

Patent Published :-

- Saponin isolated from Ashwagandha having antidiabetic potential. Official Journal of Patent Office. The Patent Office Journal Number :- 17/2022 dated 29/04/2022. Application No. 202221022411.

Book Published :-

- A Textbook of Biochemistry B.Sc.I Semester I Biomolecules and Nutrition ISBN-978-81-905776-67-1 First Edition:2019,Publisher Nabh Prakashan.
- A Textbook of Biochemistry B.Sc.II Semester III Intermediary Metabolism ISBN-978-81-905776-67-7 First Edition:2019, Publisher Nabh Prakashan

Paper Published/Accepted

- Patil S, Andhare A. Assessment of invitro Antacid activity of *Foeniculum vulgare*, *Coriandrum sativum* and *Leptospermum scoparium* by A Modified Artificial Stomach Model. *Aayushi International Interdisciplinary Research Journal (AIIRJ)* 2018;LS88:392-395
- Mutkule R, Patil S, Effect of Psychological stress on Salivary Amylase activity in post graduation students. *Indian Journal of Clinical Biochemistry (IJC)*2018; LS79: 720:21
- Pawar S, Patil S, Isolation, Estimation and Characterisation of Wheat Gluten from Vidarbha region. *Current research in Nutrition and Food Science (CRNFS)*2018;LS33:339:45
- Wankhede K, Patil S, Preparation and Nutritional assessment of Jelly chocolates prepared from Raisins. *Current research in Nutrition and Food Science.* (CRNFS)2018;LS55:826:95
- Dhanokar H, Patil S, Application of different Ash formulations as a natural fertilizer for plant growth.*Indian Journal of Agricultural Biochemistry (IJAB)*2018;LS45:677:7

4. Seminars/ Conferences/ Symposia/ Conferences attended

- a. Actively participated in “State level seminar on My Health, My responsibility, complementary to Medicine and Healthcare” and “Teacher workshop on “Teaching constrain in Microbiology and allied Sciences” on Thursday 28th Feb.2019 at Shri R.L.T College of Science,Akola, Organized by department of Microbiology and IQAC in collabration with Microbiology Society of India.
- b. Actively participated in 5 day International Conference “ 3rd Global sustainable biotech congress” Organised by NMU in collaboration with Global Biotech Forum, Nagpur and SETY University Maxico. on 1-5 Dec. 2014.
- c. Actively participated in UGC Sponsored State Level Seminar on “Current Scenario of Botanical Research (SSCSBR-2018)” Organised by Shri Shivaji College, Akola in collaboration with S.G.B.Amravati University on February 2nd ,2018.
- d. Actively participated in National Conference on “New insights of Microbial biotechnology” organised by the Microbiology and Biotechnology Department of S.S.V.P.S Dr.P. R. Ghogrey Science collage Dhule and sponsored by UGC, WRO, Pune in collaboration with Biotech Research Society of India (BRSI), NMU, Jalgaon.
- e. Actively participated in International Conference on “Recent trends in Science and Technology” Organised by S.S.S.K.R. Innani Mahavidyalaya, Karanja. Washim on 22 & 23 March, 2018.
- f. Participated in “C.V. Raman memorial seminar” on occasion of national science day 28th Feb. 2005 at North Maharashtra University, Jalgaon (M.S.)
- g. Participated in “Plant Diversity and Biotechnology” symposium sponsored by U.G.C. organized by S.S.V.P.S. College, Dhule.

7. Workshops Attended :-

- Attended 3 days National Online Training programme on **Laboratory Animals in Biomedical Research** organized by Maharashtra Animals and Fishery Science University, Nagpur in collaboration with Department of veterinary, Pharmacology and toxicology, Post graduate Institute of Veterinary and Animal Science, Akola. From 16-18 March 2021.
- Actively participated in one day workshop on “New Accreditation Methodology, An Overview” organized by IQAC, Shri Shivaji Arts, Commerce and Science College, Akola in Collaboration with office of Joint Director, Higher education, Amravati Division and SGB Amravati University, Amravati on 28th March 2019.
- Actively participated in one day workshop on “Awareness of E-Resources and searching techniques” organized by Department of Library And Information Science, Shri Shivaji College of Arts, Commerce and Science, Akola, on 16th Jan.2017.
- Actively participated in one day workshop for “Reframing M.Sc. Biochemistry Syllabus” held at, S.S.V.P.S DR. P. R. Ghogrey science College Dhule on behalf of North Maharashtra University, Jalgaon on 22 Feb.2016.
- Actively participated in one day workshop for “Reframing F. Y. BSc. Biochemistry Syllabus” held at S.S.V.P.S DR. P. R. Ghogrey science College, Dhule on behalf of North Maharashtra University, Jalgaon on Dec.30,2014.
- Actively participated in the workshop on “Reframing the syllabus of T. Y. BSc. Biochemistry” organised by S.S.V.P.S. DR. P. R. Ghogrey science College, Dhule on behalf of North Maharashtra University, Jalgaon on 5th February 2014.
- Actively participated in one day workshop for “Reframing S. Y. BSc. Biochemistry Syllabus” held at Zulal Bhilajirao Patil collage, Dhule on the behalf of North Maharashtra University, Jalgaon on February 23rd,2013.

8. Teaching Experience

Courses Taught	Name of the University/ College/Institution	Duration
UG	Sant Gadge Baba Amravati University, Amravati. Shri Shivaji College of Arts, Commerce and Science, Akola	2 Jan.2017-2022 (5 Years)
	North Maharashtra University, Jalgaon. Shri Shivaji Vidya Prassrak Sansthas Dr. P. R. Ghogrey Science College, Dhule	5 July 2012 to 31 Dec.2016 (4 .5Years)
PG	Sant Gadge Baba Amravati University, Amravati. Shri Shivaji College of Arts, Commerce and Science, Akola	2 Jan.2017-2022 (5 Years)
	North Maharashtra University, Jalgaon. Shri Shivaji Vidya Prassrak Sansthas Dr. P. R. Ghogrey Science College, Dhule	5 July 2012 to 31 Dec.2016 (4 .5Years)
Other (Career Oriented Programme) CCLT, DCLT, ADCLT.	Shri Shivaji College of Arts, Commerce and Science, Akola	2 Jan.2017-2022 (5 Years)


9. Innovations/ Contributions in Teaching

- Design of Curriculum :- Member of Subject Examination Committee of BOS in Biochemistry including Microbiology for reframing and preparation of Syllabi for UG,PG as per UGC guidelines
- Published A Textbook of Biochemistry B.Sc.I Semester I “Biomolecules and Nutrition” ISBNI-978-81-905776-67-1 First Edition:2019, Publisher Nabh Prakashan.
- Published A Textbook of Biochemistry B.Sc.II Semester III Intermediary Metabolism ISBN-978-81-905776-67-7 First Edition:2019, Publisher Nabh Prakashan .

10. Teaching Methods

- a. Distributing Lecture, Synopsis and notes. □
- b. Encouraging short answer type question in the class. □
- c. Conducting seminars on topics from syllabus. □
- d. Use of Audio-Visual Aids like Charts, Overhead projector, LCD. □
- e. Preparation of resource materials □
- f. Prepared unit notes, Lecture synopsis, Practical manual, Charts and models etc.

11. Extension activities/ consultancy/ community works

- Worked in organizing committee of “Blood Donation Camp and free Blood group detection camp” held on 25/12/2018 in the memory of Late Karmaveer Dr. Punjabrao alias Bhausaheb Deshmukh, in collaboration with Government Medical College, Akola. At Shri Sivaji College Akola.
- Worked in organizing committee of “Blood Donation Camp and free Blood group detection camp” held on 26/12/2017 in the memory of Late Karmaveer Dr. Punjabrao alias Bhausaheb Deshmukh, in collaboration with Government Medical College, Akola. At Shri Sivaji College Akola.
- Worked in organizing committee of “Blood Donation Camp and free Blood group detection camp” held on 11/04/2017 organized by Sangathit Vidyarthi Raktdan Kriti Samiti, in collaboration with Government Medical College, Akola.
At Shri Sivaji College Akola.
- Organizer of Blood Donation Camp on 6/10/2015 in the memory of Late Dr. Nanaasaheb Vishwasrao Patil, at Shri Shivaji Vidya Prasarak Mandals Dr. P. R. Ghogrey Science College, Dhule.
- Organizer of Hemoglobin Detection Camp for newly admitted girl students of our college every year.
- Organizer of Diabetes and Lipid profile camps for teaching and non-teaching staff members every year.
- Organizer of Blood Grouping Camps regularly every year in college for students.
□
- Provide Blood Donors to needy persons 
- Helps in Clinical laboratory in Dept. of Biochemistry for Consultancy service. In this laboratory consultancy services are provided by checking blood samples.

12. Role in college activities.

- In charge Health Center, Shri Shivaji College of Arts, Commerce and Science, Akola.
- Member College Examination Committee.
- Member of Under Graduate college admission committee. □
- Member of P. G. college admission committee. □
- Co-ordinator of Career Oriented Programme CCLT,DCLT and ADCLT.
- Teacher guardian for students of B.Sc. Biochemistry. □
- Member of Organizing committee of Blood Donation Camp.
- Member of Organizing committee of Hemoglobin detection Camp.
- Member of Organizing committee of Blood Group detection Camp.

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