

BRIEF BIO-DATA

1. **Name and full correspondence address** : **Dr. Sandip Prakash Patil**
Associate Professor
Department of Microbiology
R. C. Patel Arts, Commerce and Science
College, Shirpur-425405, Near Karvand Naka
Dist.- Dhule, Maharashtra, India.
2. **Email and contact number** : patilsandip3@gmail.com
+91 9284478255
3. **Institution** : R. C. Patel Arts, Commerce and Science
College,
Shirpur-425405, India.
4. **Date of birth** : 21 November 1984
5. **Gender** : Male
6. **Category** : OBC
7. **Whether differently abled** : No

8. Academic qualifications (Undergraduate onwards)

Degree	Year	Subject	University	Marks (%)
B. Sc.	2006	Microbiology	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon-425001	71.25
M. Sc.	2008	Microbiology		69.90
SET	2008	Life Sciences	Pune University, Pune (UGC, New Delhi)	--
PGDBI	2010	Bioinformatics	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon-425001	'A' grade
Ph. D.	2019	Microbiology		By thesis

9. Ph. D. details

Thesis title : Studies on microbial production of hyaluronidase
Guide name : Prof. Bhushan L. Chaudhari (DAAD Fellow, Germany; JSPS Fellow, Japan)
University : Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Year of award : March 2017

10. Work experience (in chronological order)

S. No.	Positions held	Name of the Institute	From	To
1.	Assistant Professor in Microbiology	R. C. Patel Arts, Commerce and Science College, Shirpur-425405	25/02/2009	16/06/2023
2.	Head, Department of Microbiology		29/12/2018	21/07/2022
3.	IQAC Coordinator		20/06/2019	Till date
4.	Head, Department of Biotechnology		22/07/2022	Till date
5.	Associate Professor in Microbiology		17/06/2023	Till date

11. Professional recognition/Award/Prize/Certificate, Fellowship received by the applicant

S. No.	Name of Award	Awarding agency	Year
1.	First Prize at State Level Avishkar	Government of Maharashtra	2017
2.	Best Innovation Award	GHR Research Labs, Nagpur	2018
3.	Best Oral Presentation Award	KVPS's SPDM College, Shirpur	2019

12. Publications (List of papers published in SCI Journals)

S. No.	Author(s)	Title	Name of Journal	Publisher	Year
1.	Sandip P. Patil, Tejas b. Chaudhari, Kiran S. Dalal, Niteen V. Firke, Bhushan L. Chaudhari	Laccase Mediated Valorization of Lignocellulosic Biomass: An Ecofriendly Approach Toward the Sustainable Environment	Industrial Microbiology and Biotechnology	Springer Nature-Singapore	2024
2.	Vaishali L. Mahajan, Tejas B. Chaudhari, Sandip P. Patil	Immobilization of Laccases: An overview of its methods and applications for a	Journal of Maharaja Sayajirao University of	Conference Proceeding	2024

		sustainable environment	Baroda		
3.	Sandip P. Patil, Leena P Shirsath, Bhushan L Chaudhari	A halotolerant hyaluronidase from newly isolated <i>Brevibacterium</i> <i>halotolerans</i> DC1: Purification and characterization	Elsevier: International Journal of Biological Macromolecules (IF 8.02)	Elsevier	2021
4.	Sandip P. Patil, Bhushan S Bhadane, Leena P Shirsath, Ravindra H Patil, Bhushan L Chaudhari	Steroidal fraction of <i>Carissa carandas</i> L. inhibits microbial hyaluronidase activity by mixed inhibition mechanism	Taylor and Francis: Preparative Biochemistry and Biotechnology (IF 3.14)	Taylor and Francis	2019
5.	Leena P Shirsath, Sandip P. Patil, Ulhas K Patil	Incidence of leaf spot disease on cotton caused by <i>Curvularia</i> <i>verruculosa</i> and role of its hydrolytic enzymes in pathogenesis	Springer: Physiology and Molecular Biology of Plants (IF 3.02)	Springer	2018
6.	Sandip P. Patil, Bhushan L Chaudhari	A simple, rapid and sensitive plate assay for detection of microbial hyaluronidase activity	Wiley: Journal of Basic Microbiology (IF 2.65)	Wiley	2017
7.	Tushar A Shinde, Sandip P. Patil, Sachin M Munde, Rajendra D Parsi	Development of antimicrobial textiles by using natural and ecofriendly agents	Asian Textile Journal	Scopus	2022
8.	Sandip P. Patil, TA Shinde, SM Munde, LN Patil, KK Gupta	Optimising the fixation of reactive dyes	International Dyer and Finisher	Scopus	2021
9.	Tushar A Shinde, Yogesh S Dhangar, Leena N Patil, Sandip P. Patil	To study the effect of finishing chemicals on physical and chemical properties in terry towel	Man Made Textiles in India	Scopus	2020
10.	Jyoti P Mahashabde, Sandip P. Patil, Jaywant P Sonawane, Madhav S	Synthesis and Photoluminescence Characteristics of ZnxCd1-xS Thick Films Prepared by Flux Technique	Journal of Scientific Research	UGC CARE	2022

	Wagh, Arun M Patil				
11.	Sandip P. Patil , Arun M Patil, Jaywant P Sonawane, Tushar A Shinde, Jyoti P Mahashabde	One Pot Synthesis and Characterization of Copolymer Poly [(Thiophene-2, 5-Diyl)-Co-4-Hydroxy Benzylidene] Using Polycondensation	Journal of Scientific Research	UGC CARE	2022
12.	Arun M Patil, Jyoti P Mahashabde, Leena P Shirsath, Tushar A Shinde, Sandip P. Patil	Keratinase Enzyme Production from <i>Bacillus licheniformis</i> KP9 Isolated from Chicken Feathers	Journal of Scientific Research	UGC CARE	2022
13.	Sharad Patil, Nilam Patel, Sankarnarayanan A., Sandip P. Patil , Pushparaj Rajput, Sekar N.	Halogen free [HNMP]+CH ₃ SO ₃ ⁻ ionic liquid mediated bifunctionalized naphthoquinone-dihydropyrimidin-(1H)-one hybrids and evaluation of its antimicrobial potential	Journal of Advanced Scientific Research	UGC CARE	2021
14.	Sunil M Bhadane, Dipak D Patil, Vivekanand K Chatap, Sandip P. Patil , Laxmikant R Zaware	Preparation and Characterization of Solid Dispersion by Microwave and Freeze Drying Method for Solubility and Dissolution Rate Enhancement of Poorly Soluble Drug Ziprasidone	Indian Journal of Novel Drug Delivery	UGC Approved List	2019
15.	Vivekanand K Chatap, Ketan B Patil, Sandip P. Patil , Laxmikant R Zaware	Synthesis and Characterization of Silver Nanoparticles using Sesbania Gum Powder	Inventi Rapid: NDDS	UGC Approved List	2018
16.	Sandip P. Patil , S S Tambe	Indian scenario of biodiversity and conservation: A review article	Researchers world	UGC Approved List	2016
17.	Sandip P. Patil , Leena P Shirsath	Production of exopolysaccharide by an osmotolerant,	International Journal of Current	UGC Approved List	2015

		thermostable and metal resistant <i>Bacillus subtilis</i>	Microbiology and Applied Sciences		
18.	Sandip P. Patil, L P Shirsath, B D Jadhav	Studies of bioactive compounds of bacteria from human cerumen	International Journal of Biotechnology and Biosciences	UGC Approved List	2014

13. Detail of patents

S. No.	Patent Title	Patent No.	Award Date	Agency/ Country	Status
1.	A Medium composition, kit and a method for the detection of hyaluronidase and its inhibitor	E- 2/2649/2017/MUM	NA	India	Published
2.	Combination treatments for bacterial infections using photochemical and antibiotic combination	E- 12/543/2022/CHE	NA	India	Published

14. Books/Reports/Chapters/General articles etc.

S. No.	Title	Authors name	Publisher	Year of Publication
1.	Genetics and Immunology	RZ Sayyed, SA Joshi, SP Patil	Prashant Publication	2019
2.	Microbial enzyme and Metabolism	RZ Sayyed, SA Joshi, SP Patil	Prashant Publication	2019
3.	Basic biochemistry and Cytology	RZ Sayyed, SA Joshi, VP Zope, SP Patil	Prashant Publication	2018
4.	Fundamental Biochemistry	RZ Sayyed, VM Chaudhari, SP Patil	Prashant Publication	2016
5.	Foundations of Biotechnology	RZ Sayyed, HM Bhamare, YP Narkhede, TH Mansuri, SP Patil	Prashant Publication	2015
6.	Advances in Plant	SP Patil	Bhumi Publishing	2022

	Sciences			
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15. Book Chapters

S. N.	Authors	Title of Chapter	Book Title	Publisher
1.	Harsha D Pardeshi, Varsha D Jayaswal, Leena P Shirsath, Harshal M Bhamare, Sandip P Patil	Omicron Variant: A New Chapter in the COVID-19	COVID 19: Impact and Response VII	Bhumi Publishing, India
2.	Varsha D Jayaswal, Harsha D Pardeshi, Leena P Shirsath, Sandip P Patil	Potash Solubilizing Bacteria: A Green Alternative to Chemical Fertilizer	Advances in Plant Sciences IV	Bhumi Publishing, India
3.	Sandip P Patil and bhushan L Chaudhari	Micribial hyaluronidase: Its purification, characterization and applications	Industrial Microbiology	Springer Nature, Singapore
4.	Sandip P Patil and bhushan L Chaudhari	Reuterin: A Broad Spectrum Antimicrobial Agent and Its Applications	Industrial Microbiology	Springer Nature, Singapore

16. Research projects as the “Principal investigator”

S. No.	Title of the project	Funding agency	Amount	Year	Status
1.	Search for the potential microorganisms for hyaluronidase production	UGC, New Delhi	1.55 Lakhs	2012	Completed
2.	Production and Characterization of bacterial exopolysaccharide and its antioxidative potential	BCUD, NMU, Jalgaon	0.68 Lakhs	2014	Completed
3.	A Medium composition, kit and a method for the detection of hyaluronidase and its inhibitor	BCUD, NMU, Jalgaon	0.35 Lakhs	2016	Completed
5.	AICTE sponsored FDP on Leadership and Excellence in Higher Education	AICTE, New Delhi	0.93 Lakhs	2021	Completed
7.	Development of microbial consortium for the decolorization and degradation	RGSTC, Govt. of Maharashtra	2.50 Lakhs	2022	Ongoing

	of harmful dyes in effluents of textile industries in North Maharashtra region				
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17. Recognitions

S. No.	Recognition	University	Year
1.	Ph.D. guide in Microbiology	KBC NMU, Jalgaon	2020
2.	Ph.D. guide in Biotechnology	KBC NMU, Jalgaon	2022
3.	PG Teacher in Microbiology	KBC NMU, Jalgaon	2022
4.	Member, BoS in Microbiology	KBC NMU, Jalgaon	2022

18. Research students for Ph.D. degree

S. No.	Name of student	Topic of research	Subject	Year of registration	Status
1.	Mahajan Vaishali L	Microbial Laccase Production and its Biotechnological Applications	Microbiology	2020	Ongoing
2.	Paradeshi Harsha D	Development of microbial consortium for the degradation of	Microbiology	2022	Ongoing
3.	Jayaswal Varsha D	Studies on microbial production of biosurfactant and its	Microbiology	2022	Ongoing
4.	Yadav Shubham V	Studies on virulence factors of phytopathogenic fungi ...	Microbiology	2022	Ongoing
5.	Chaudhari Tejas B	Studies on microbial production of enzyme cocktail	Microbiology	2023	Ongoing

19. Responsibilities shouldered in the department/college

- a. IQAC Coordinator
- b. Academic planning in the dept
- c. Member, Various committees

20. Events organized

- a. Coordinator, National Level MicrobioCanvas: An artwork competition (02 Events)
- b. Coordinator, State Level Microbiological Contest (12 Events yearly)

- c. Coordinator, State Level MicrobiOlympiad (12 Events yearly)
- d. Coordinator, National Level webinar-2020
- e. Coordinator, District Level Avishkar-2018
- f. Coordinator, National Level Faculty Development Programme sponsored by AICTE, New Delhi, India.

Dr. Sandip P. Patil

Associate Professor and Head

R. C. Patel Arts, Commerce and Science College, Shirpur-425405