

Asst. Prof. Nandkishor Shankar Sangle

Designation: Assistant Professor

Department: [Physics]

Contact Information

- **Email:** [nssangle@vpmthane.org]
- **LinkedIn:** <https://in.linkedin.com/in/nandkishor-sangle-b665091a3>
- **ResearchGate:** <https://www.researchgate.net/profile/Nandkishor-Sangle>
- **Google Scholar:** [NA]

Educational Background

<i>Sr.No.</i>	<i>Exam</i>	<i>University / Board</i>	<i>College / School</i>	<i>Year Of Passing</i>	<i>Class</i>
1	Ph.D.	Mumbai University	D.G. Ruparel ASC college, Matunga west Mumbai	Ph.D. Pursuing	--
2	UGC-SET	UGC-SPPU	Maharashtra State Eligibility Test	---	Qualified
3	PET	MU-PET	University of Mumbai, Maharashtra	January 2019	Qualified
4	M.Sc. Physics	Pune University	H.P.T. Arts & R.Y.K.Sci. College, Nasik.	2013	1st (67.30%)
5	B.Sc. Physics	Pune University	G.M.D. Arts, B.W. commerce & Science College Sinnar, Nashik	2011	1stdistn (74.13%)
6	H.S.C.	Nasik Board	Janta High school, Saikheda, Tal. Niphad, Dist Nashik	2008	Higher 2nd class
6	S.S.C.	Nashik Board	M.V.P.S. Arudh Vidyalaya Mhalsakore, Nasik	2006	1st with distn.

Areas of Expertise / Research Interests

- Classical and Quantum Physics
 - Recent trends in Nanotechnology and Nanomaterials.
 - Thin/ Thick film technology
 - Solar PV system, Storage devices technology, Superconductor
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Teaching Interests

- Mathematical Physics
- Modern Physics
- Generic Physics
- Solar Energy and its applications
- Nanotechnology
- Nuclear Physics
- Electronics Instrumentation
- Quantum Physics
- Thermodynamics

Professional Experience

Sr. No.	Institution Name	Post	Total Teaching Experience
1.	Kr. V. N. Naik. Arts, Comm. & Science College Canada Corner Nashik 422002	Asst. Professor	10 years and 5 months
2.	School of Sciences Department, YCMOU University, Gangapur, Nashik	Academic Coordinator	05 Months
3.	VPM's B. N. Bandodkar College of Science (Autonomous) Thane West	Asst. Professor	26 th July 2024

Publications & Research

RESEARCH PUBLICATIONS:

1. N.S. Sangle, S. E. Dhattrak, V.G. Wagh, ISSN 2250-2459, ISO 9001:2008 Volume 5, Issue 1, January 2015) **319-322**, Microcontroller Based Solution Delivery Pump for Spray Pyrolysis, *IJETAE international Journal*.
2. S. E. Dhattrak, N. S. Sangle, V. G. Wagh, ISSN-2250-2459, ISO-9001:2008, Volume 5, Issue 2, February 2015 **532-535**, Development of a GSM Based Power Control system, *IJETAE international Journal*

PATENT/ AWARDS:

Sr. No.	Design Name	Topic/Design Name	Design number:	Dates	Owner details
1.	UK Design (Patent Attorney (PQ) - UK)	Wireless Spectrometer for Non-Destructive Testing of Animal Tissues.	6329226	Grant date: 05 Dec 2023 Registration date: 27 Nov. 2023	Sangle Nandkishor Shankar And 6 more

BOOKS PUBLISHED: -

Sr. No.	Book Title	Reference/Text	ISBN No.	Publication Name & year	Class
1.	Electrodynamics	Textbook	ISBN: 978-81-24457-44-3	Success Publications (June-2021)	M.Sc. Physics
2.	Physics of Semiconductor Devices	Textbook	ISBN: 978-81-24457-44-4	Success Publications (June-2021)	M.Sc. Physics
3.	Electronics	Study material	ISBN: 978-81-24457-57-5	Success Publications (June-2022)	M.Sc. Physics
4.	Thermodynamics and Statistical Physics	Textbook	ISBN: 978-81-24457-54-2	Success Publications (June-2022)	T.B.Y.Sc . Physics
5.	Classical Mechanics	Study material	ISBN: 978-81-24457-57-4	Success Publications (June-2022)	M.Sc. Physics
6.	Statistical Mechanics	Study material	ISBN: 978-93-24457-58-0	Success Publications (Dec-2022)	M.Sc. Physics
7.	Energy Studies-I	Study material	ISBN: 978-93-24457-60-4	Success Publications (Dec-2022)	M.Sc. Physics
8.	Experimental Techniques in Physics-I	Study material	ISBN: 978-93-24457-59-7	Success Publications (Dec-2022)	M.Sc. Physics
9.	Energy Studies-II	Study material	ISBN: 978-93-24457-61-	Success Publications (May-2023)	M.Sc. Physics
10.	Experimental Techniques in Physics-II	Study material	ISBN: 978-93-24457-61-	Success Publications (May-2023)	M.Sc. Physics
11.	Nuclear Physics	Study material	ISBN: 978-93-24457-61-	Success Publications (May-2023)	M.Sc. Physics

12.	Thin Film and Its Application	Reference Book	ISBN: 978-81-19492-02-2	MAHI Publications	---
13.	Physics of LASERS	Self-Learning Materials (Book)	ISBN: 978-81-19791-74-3	School of Science YCMOU University	M.Sc. Physics

OTHER RELEVANT INFORMATION:

Sr. No.	Details (Mention Year, value etc. where relevant)
1.	Worked as member of Syllabus Restructuring Committee of T. Y. B.Sc. Physics June 2021 (SPPU, Pune)
2.	Worked as an examiner and moderator in UG and PG section.

Asst. Prof. Nandkishor S. Sangle