

DR. AROTE SOMNATH TUKARAM**Full name: DR. AROTE SOMNATH TUKARAM****Date of Birth:** 01/06/1979**Resi.Address:** Sahakar Nagar, Pimpalgaon Najik,Lasalgaon

Tal-Niphad Dist-Nashik (422306)

E-mail- arotesomnath@gmail.com**Date of appointment in the College:** 10/03/20008**Joining Date:** 10/03/20008**Department:** Geography**Subject:** Geography**Designation:** Vice Principal, Head and Associate Professor**Educational Qualification**

Sr. No.	Name of Examination	Name of University	Month & Year of passing	Percentage of Marks
1	S. S. C.	MSS&HS Board,Nasik	June 1995	60.14
2	H. S. C.	MSS&HS Board Nasik	June 1997	64.17
3	B. A.	SPPU, Pune	June 2000	68.08
4	M. A.	SPPU, Pune	July .2003	64.80
6	B. Ed.	SPPU, Pune	May 2002	77.38
7	N.E.T	U.G.C	Dec. 2005	Qualified
8	S.E.T.	SPPU, Pune	Aug. 2006	Qualified
9	Ph.D.	KBCNMU, Jalgaon	Jan. 2019	Awarded

Refresher and Orientation/ STC/ FDP Courses:

Sr. No.	Name of the Course/ Summer School	Organised By	Duration
1	Orientation	TOC, Ahmednagar,College	10 Days (3 to 12 Nov. 2009)
2	145 th Orientation Programme	HRDC, Pune	01 st to 28March 2013
3.	Refresher course in Environmental Studies	HRDC, Gujrat University, Ahmedabad	1 st to 22 nd June 2014
4	Refresher course in Geography	HRDC, Jabalpur	28 th May 2018 to 16 th June 2018
5	Short Term Course – E-content Development MOOC's	KVN College, Nashik HRDC, Pune	25 th to 31 st March 2019
6	ARPIT Earth Science	SWAYAM Online	30 June 2019
7	FDP on Cyber Security	Shivaji University, Kolhapur,	26 th Sep. 2019 to

		Arts, Commerce and Science College, Lasalgaon	1 st Oct. 2019
8	ARPIT Refresher Course	SWAYAM Online	1 st Nov. 2019 to 16 th Feb. 2020
9	STC on Econtent Development	HRDC, Gujarat University	14 th to 20 th May 2020
10	ARPIT-Refresher Course on Teacher and Teaching in Higher Education	SWAYAM Online	30 June 2020
11	Quality Initiatives in Revised Accreditation Framework of NAAC and E-content Development	IQAC, Arts, Science and Commerce College, Manmad	7 to 11 July 2020
12	Refresher course in Advanced Research Methodology	Ramanujan College, Delhi And PMMMMNM on Teachers and Teaching	23/02/2023 to 09/03/2023
13	Short Term FDP on Emotional Intelligence for Teacher in Higher Education	Career Katta, Shri Shivaji Science College, Amravati & UGC- Malaviya Mission Teacher Training Centre	16 to 25 th Nov. 2023

Research Supervision:

Recognition Type	By	Faculty	Board of Studies	Subject	From	To	No. of students registered	No. of students Awarded
Ph. D	Research	Science	Geography	Geography	08/06/2022	31/05/2039	01	0

Research project carried out:

Title of the Project	Name of the Funding Agency	Duration	Remarks
1 "The Spatio-temporal Study of Agricultural Pattern of Yeola Taluka-A Geographical Analysis"	UGC	2009/10 to 2010/11	Complete

Book Publication:

Sr. No.	Title of the book	Subject	Publisher	Year of Pubn.	Level at which recommended
1	A GEOGRAPHICAL STUDY OF AGRICULTURAL PATTERN IN DROUGHT PRONE AREAS OF NASIK DISTRICT, MAHARASHTRA STATE ISBN 978-81-95117-1-6	Geography	Technoscience Academy	July 2020	PG and Research students
2	<i>PARYATAN BHUGOL</i> ISBN 978-93-90862-63-4	Geography	Prashant Publicatioin	Sept. 2021	UG Students
3	Research Methodology ISBN 978-81-19489-12-1	Multidisciplinary	R K Publication	2023	UG, PG & Research Student
4	Environmental Sciences ISBN 978-81-19140-90-9	Multidisciplinary	R K Publication	July 2023	UG, PG & Research Student

Research Paper Published in Journal:

Academic Year.	Title with Page Nos.	Name of the Journal Volume, Issue & Date	ISSN/ISBN No.	UGC Listed/CARE
2010-11	Impact of Drought on Agricultural Pattern of Yeola Taluka 01-08	International Journal of Research & Development. Issue-4 vol -1 Apr-2011	2230-9578	Yes
2011-12	'Agricultural problems and prospects of Yeola taluka' 33-36	Indian Streams Research Journal Vol-1 Issue- V, Jun 2011	2230-7850	Yes
2012-13	'Eco-Tourism Development and Medicinal Quality of Hot Springs: A Case Study of Vajreshwary (Thane) 48-51	Golden Research Thoughts Vol-1 Issue- XII, June 2012	2231-5063	Yes

2012-13	'Studies on the Soil Quality Parameters and Awareness Among the Farmers in Selected Region of Nashik, Maharashtra'	Indian Streams Research Journal Vol-2 Issue- 6, July 2012	2230-7850	Yes
2012-13	'The Socio-Economic Status of Women Workers in Onion Market : A Case Study of Lasalgaon, Tal-Niphad (Nashik) 8-13	Indian Streams Research Journal Vol-3 Issue- I, Feb; 2013	2230-7850	Yes
2013-14	Global Climate Change and Ozone Depletion : A Fact 57-58	Platinum Vol-4 Issue- I Feb 2014	2231-0096	Yes
2014-15	The Study of Physical Fitness of Secondary School Children 1-4	Review of Research Vol-4 Issue- 4 Jan 2015	2249-894X	Yes
2015-16	A Geographical Study Of Cropping Intensity In Drought Prone Areas Of Nashik District (M.S.) Page 41-46	Maharashtra Bhugolshastra Sanshodhan Patrika Vol.32 No 2 Jul-Dec 2015	ISSN:0971-6785	Yes Impact Factor 2.56
	To Study The Post-Harvest Management Of Onion Crop In Chandwad And Yeola Tahsil Of Nashik District Page 52-56	Maharashtra Bhugolshastra Sanshodhan Patrika Vol.32 No 2 Jul-Dec 2015	ISSN:0971-6785	Yes Impact Factor 2.56
2016-17	Agricultural productivity of food grain crops in drought prone area of Nashik district: A Geographical Analysis pp. 81-87	Ajanta Vol 6 (2): 81-87, 2017	ISSN-2277-5730	Yes 4.20
	To study the crop combination of commercial crops in the Nashik district of Maharashtra state pp. 69-75	Ajanta ISSN-2277-5730 Vol 6 (2): 69-75, 2017	ISSN-2277-5730	Yes 4.20
	A geographical study of primary health care centers and their ratio with population in the rural areas of the southern Piedmont plain in the western Vidarbha pp 95-100	Ajanta ISSN-2277-5730 Vol 6 (2): 95-100, 2017	ISSN-2277-5730	Yes 4.20

	Growth rate index of scheduled tribe population in Nandurbar district: a geographical study pp78-80	Ajanta ISSN-2277-5730 Vol 6 (2): 76-80, 2017	ISSN-2277-5730	Yes 4.20
2017-18	A Geographical Study of Primary Healthcare Centers in the Rural Areas of the Southern Piedmont Plain in Western Vidharbha (Maharashtra) pp. 89-92	Printing Area , Issue-32 Vol-3 , August 2017	ISSN-2394-5303	Yes 4
	A Geographical Analysis o Tribal and Non-Tribal Literacy in Nandurbar District pp 96-99	Printing Area , Issue-32 Vol-3 , August 2017	ISSN-2394-5303	Yes 4
2018-19	A Geographical Study of Agricultural Productivity of Onion Crop in Drought Areas of Nashik District pp. 1-6	Ajanta , Vol-8, Issue-1 Jan – March 2019	ISSN-2277-5730	Yes 5.5
	The Change of Commercial Cropping Pattern in Nashik District: A Case Study of Sugarcane Farming pp.143-146	Research Journey Issue-LXXXI Jan-2019	ISSN-2348-7143	Yes 6.26
2019-20	TOURISM POTENTIALS OF BIRDS SANCTUARIES: A CASE STUDY OF NANDURMADHMESHWAR, NASHIK DISTRICT (M.S.) PAGE NO. 446-449	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY VOL-6 ISSUE- 4 AUG 2019	2394-4099	7.13
2019-20	A GEOGRAPHICAL STUDY OF CROP DIVERSIFICATION IN DROUGHT PRONE AREA OF NASIK DISTRICT (M.S.) 418-423	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN SCIENCE, AND TECHNOLOGY VOL-6 ISSUE- 4 AUG 2019	2395-602X	7.21
2021-22	A GEOGRAPHICAL STUDY OF MAJOR CROPS IN DROUGHT PRONE AREA OF NASHIK DISTRICT (M.S.) 4-7	AAYUSHI INTERNATIONAL INTERDISCIPLINARY RESEARCH JOURNAL (AIIRJ) VOL-8 ISSUE- 7 JULY 2021	2349-638x	7.14
2021-22	A GEOGRAPHICAL STUDY OF THE CROPPING INTENSITY: A MICRO-LEVE STUDY OF DROUGHT-PRONE AREA OF NASHIK DISTRICT (M.S.) 260-264	KALYAN BHARATI Vol-36 Issue- 22 July 2021	0976-0822	5.9
2021-22	Water Pollution and Protection of Geo Thermal Springs- A Case Study of Tansa River Basin (Thane District) 1-3	Journal of Research & Development Vol-12 Issue- 3, Aug. 2021	2230-9578	7.26
2021-	The Comparative Study of Rainfall and Rainy Days in Drought Prone Area of	International Journal of Advance and applied		--

22	Nashik District (M.S.) 1-2	Research Vol-1 Issue- 3 Sept. 2021	2347-7075	
2021-22	A GEOGRAPHICAL STUDY OF AGRICULTURAL PRODUCTIVITY OF BAJRA CROP: A MICRO-LEVEL STUDY OF DROUGHT AREA OF NASHIK DISTRICT (M.S.) 175-178	JOURNAL OF EDUCATION: RABINDRA BHARATI UNIVERSITY Vol-25 Issue- 1, Jan. 2022	0972-7175	5.8
2021-22	A GEOGRAPHICAL STUDY OF AGRICULTURAL PRODUCTIVITY OF BAJRA CROP IN DROUGHT AREA OF NASHIK DISTRICT (M.S.) 5-9	BENGAL, PAST AND PRESENT Vol-140 Issue- 7, Jan.to June 2022	0005-8807	YES
2022-23	Water Supply and Consumption Analysis of a Geographical Location	Advances in Water Science Vol.34 Issue No 1 April 2023	1001-6791	Yes

Patent Publication:

S r. N o.	Authors	Title	Journal No. & Date	Country	Assignee	Patent No	Number of Pages	Web Address
1	JANGIL I SRINIVASA RAO, Dr. DEEBA. K, Dr. B. NAGESHWARI, Dr. MANISHA, Dr. SOMNATH TUKARAM AROTE, VINAY KUMAR SINGH, Dr. SAHIL MEHTA, Dr. SHUBHANGI N. GHATE, Dr. OM PRAKASH .C, Dr. BAZANI SHAIK, Dr. A. SASIKUMAR, MOHD ASIF	“NOVEL METHODS FOR EARLY WEED DETECTION FOR IMPROVING CROP YIELD USING THE ALGORITHMS OF MACHINE LEARNING”	52/2022 30/12/2022	INDIA	The Patent Office of India	202241073252	8299 Pages -13	https://search.ipindia.gov.in/IPOJournal/Journal/Patent https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus

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2	Dr.S.S endil Kumar , Dr. Adinat h More, Dr. Arote Somna th Tukar am, Dr Manm inder Kaur, S Shiree sha, Dr.Pri yanka Choud hary, Kandu kuri Sesha giri Rao, Dr Dharm endra Mehta , Prof. Dr. Navee n Kumar Mehta , Dr.A.S asi Kumar , Bhagy ashree Dabi, Rajesh Mehta	IMPLEMENT ATION OF DEEP LEARNING BASED TECHNIQUE S FOR ANALYSIS OF THE ROLE OF TRAVEL, TOURISM AND HOSPITALIT Y IN ECONOMIC AL GROWTH OF AN ORGANIZAT ION	33/20 23 18/08 /2023	IN DI A	The Pat ent Off ice of Ind ia	202341 034310	53 98 1 Pa ges - 13	https://search.ipindia.gov.in/IPOJournal/Journal/Patent https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus

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Papers presented in conferences, seminars, workshops, symposia:

Academic Year	Title of the Paper presented	Title of Conference/Seminar	Organized by	Whether international/ national/ state/regional/ college or university level
2011-12	Potable Cold Spring : A Case Study of Taked (Igatpuri)	National Conference of Mal Bhugolshastra Parishad, Pu 29 Jan. 2012.	Navapur College Navapur.	National
2011-12	Water Pollution and Protection of Geo Thermal Springs: A Case Study of Tansa River Basin (Thane District)	National Conference on Natural Resources Manegement . 05 march to 07/ 2012	Jamkhed Mahavidyalay Jamkhed.	National
2011-12	‘The Comparative Study of Rainfall and Rainy Days in Drought Prone Areas of Nashik District	National Conference on Sustainable Development With Inclusive Approach’ (Junnar) 3 rd to 5 th Dec. 2012	Shri. Shiv Chhatrapati College, Junnar	National
2012-13	‘A Geographical Analysis of Socio-Economic Status of Bhill Tribe: A Case Study of Nilkhede Village’	VIII DGSI International Geography Conference on, Tourism Resources & Development (Pali) 19 th to 21 st Jan. 2013	Sheth J.N. Paliwala Co College, Science and A College, Pali-Sudhagad Raigad (M.S)	International
2012-13	Eco- Tourism	Regional Workshop on World Wetland Day’ (Nandur madhmeshwar) 2 nd Feb. 2013	Department of Wild Li Protection, Nashik	Regional

2012-13	Introduction and use of GPS	Local Intra-Departmental Workshop Arts, Commerce and Science College, Lasalgaon	Department of Economics	Local
2013-14	<i>Yeola Talukyatil Jalvyavsthapan Ek Abhyas</i>	National Conference on Monitoring Degraded Lands (Akole) 4 th to 6 th Feb. 2014	Agasti Arts, Commerce and Science College, Akole	National
2013-14	<i>Jalvyavasthapanace Muladhar: Yeola Taluk Sukshma Staravaril Jalpranalicha Abhyas</i>	National Conference on Recent Trends in Tourism and Travel Management (Chalisgaon) 17 th & 18 th Feb. 2014	BP Arts, SMA Science Commerce College, Chalisgaon	National
2014-15	Tourism Potential of Birds Sanctuaries : A Case Study of Nandur Madhmeshwar, Nasik District (M.S.)	IX DGSI International Geography Conference on Tourism, Environment and Development 26 th & 28 th Feb. 2015	Magadh University, Bodhgaya (Bihar)	International
2015-16	A Geographical Study of Major Crops in Drought Prone Areas of Nashik District (M.S.)	International Conference on Sustainable Planet Earth: Ecological Dimensions and Strategies	Xth DGSI- Pune & MLS University, Udaipur Rajasthan 17 th to 19 th Oct. 2015	International
2016-17	A Geographical Study of Crop Diversification ... Nashik District (M.S.)	Geospatial solutions to Urban and Regional Environmental Issues	Osmania University, Hyderabad 27 th to 29 th Sept. 2016	International
2019-20	The Changing Pattern of Commercial Crops in Nashik District: A Case Study of Surgana Farming	Resource Management for Inclusive Development	Agasti Arts, Commerce and D.R. Science College, Akole 14 th and 15 th Feb. 2020	International
2019-20	Academic and Administrative Audit	Paramarsh NAAC Preparation	Arts, Commerce and Science College, Rajaramnagar 12 th Jan. 2020	Local

2019-20	Academic and Administrative Audit	Paramarsh NAAC Preparation	Arts and Commerce College, Khedgaon 20 th Feb 2020	Local
2019-20	Academic and Administrative Audit	Paramarsh NAAC Preparation	Vishwalata Arts and Commerce College, Bhatgaon 3 rd March 2020	Local
2019-20	Academic and Administrative Audit	Paramarsh NAAC Preparation	S.N.D. Arts, Commerce and Science College, Yeola 5 th march 2020	Local
2020-21	--	Making Maps Through Digital Tools	IQAC KKWArts, Commerce and Science College Kakasaheb Nagar 16 th July 2020	National Webinar
2020-21	--	Google Apps for Education and Moodle	Rajaram College, Kolhapur 2 nd and 3 rd July 2020	National Workshop
2020-21	--	NAAC Accreditation Process	Modern College of Arts, Science and Commerce and RUSA Maharashtra 15 th to 22 nd April	National Workshop
2020-21	--	Disaster Management	NVP Mandal's Arts, Commerce and science College, Lasalgaon 22 nd April 2021	Online Webinar
2020-21	Career Advancement Scheme(CAS) for College Faculty	Career Advancement Scheme(CAS) for College Faculty	NVP Mandal's Arts, Commerce and science College, Lasalgaon 28 th April 2021	Online Webinar
2020-21	--	Poetry an essence of life	NVP Mandal's Arts, Commerce and science College, Lasalgaon 12 th May 2021	Online Webinar
2020-21	--	Research Methodology in Geography	MSG College, Malegaon 1 st June 2021	Online Webinar
2020-21	--	RUSA Software	T.C. College, Baramati 21 st May 2021	State Level Workshop
2019-20	International Geography Conference on Resource Management for Inclusive Development	MBP and Agasti Arts, Commerce and Dadasaheb Rupwate Science College, Akole	International (within Country)	International
2021-22	International E-Conference on Natural Resources and Sustainable Development	Rajarshi Shahu Arts and Commerce College, Rukadi	International (within Country)	International
2021-22	International E-Conference on Earth Science and Sustainable	Dept. of Geography, Osmania University, Hyderabad	International (within Country)	International

	Development Goals			
2023-24	International E-Conference on Clean Water, Good Health, Sustainable cities & Communities	LPU University, Punjab & NAGI	International (within Country)	International

Other:

- Working as Vice Principal of the College.
- Working as Head Department of Geography.
- Working as a Member of College Development Committee.
- Working as IQAC Core Committee Member
- Working as Coordinator of Career Katta and Career Guidance Unit.
- Working as a Member of NSS Advisory Committee.
- Working as a Member of Research Proposal Committee.
- Working as a Coordinator of School of Open Learning Centre.
- Worked as NSS Programme Officer.
- Delivered lectures on Preparation of Competitive Examination in various institutes.
- Delivered lectures on Academic & Administrative Audit in various institutes.
- Actively Participated in various socio-cultural activity of the college.
- Carried out the GIS Mapping of College Campus.
- Actively Participated in the water conservation project of the college campus.
- Life member of International and UGC CARE Journal," The Deccan Geographical Society".
- Life member of The Institute of Indian Geographers