

## FORMAT OF BIODATA

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411061**

**DESIGNATION: ASSOCIATE PROFESSOR**

**Educational Qualification: M. A., Ph. D., SET**

**Teaching Experience: 22 years**

**Classes Taught: UG and PG**

**Faculty development programmes (Orientation/ Refresher/ Short term courses):**

**Research Area:** Geomorphology, Natural Hazards, Eco-tourism, Remote Sensing and GIS applications

**Working as Associate Editor of Springer Spatial Information Research (SPIR) Journal,  
South Korea**

**Research Projects: Ongoing**

1. 'Impact of Floods on Stream Behaviour, Agricultural Land Use and Its Repercussions in Upper Krishna Basin, Maharashtra' (Funded by I.C.S.S.R. for the period- 2019-2021, amount 15, 75,000).

### **Research Projects: Project completed:**

2. 'Terrain Analysis for Kas-Patan Lateritic Plateau for Land Resource Management in Western Maharashtra', (Funded by I.C.S.S.R. for the period- 2012-2014, amount 6, 41,775).
3. 'An assessment of drainage development over lateritic plateau: A case study of Kas-Patan area district Satara', (Funded by U.G.C. for the period- 2006-2008, amount 70,000).

### **Research Guidance:**

**Recognized Ph.D. Guide in Geography for University of Pune, Pune**

**Guiding two PhD students**

**Guided 3 MA/MSc Geography students for their research projects/dissertation**

### **Research Articles published in Journals:**

**Citations 93**

**h-index 3**

**[Courtesy: Google Scholar]**

**i10-index 1**

1. **Pardeshi S.**, Pardeshi S., Kulkarni P. (2019) Sinuosity of Meandering Channels in Upper Krishna River Basin, India. In: Chenchouni H., Errami E., Rocha F., Sabato L. (eds) Exploring the Nexus of Geoecology, Geography, Geoarcheology and Geotourism: Advances and Applications for Sustainable Development in Environmental Sciences and Agroforestry Research. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham, Print ISBN978-3-030-01682-1, Online ISBN978-3-030-01683-8 [https://doi.org/10.1007/978-3-030-01683-8\\_5](https://doi.org/10.1007/978-3-030-01683-8_5)
2. Kulkarni P., Pardeshi S., **Pardeshi S.** (2019) Statistical Analysis of Groundwater Level Variation in Semi-arid Upper Godavari Basin. In: Chaminé H., Barbieri M., Kisi O., Chen M., Merkel B. (eds) Advances in Sustainable and Environmental Hydrology, Hydrogeology, Hydrochemistry and Water Resources. Advances in

Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham, Print ISBN978-3-030-01571-8, Online ISBN978-3-030-01572-5, [https://doi.org/10.1007/978-3-030-01572-5\\_69](https://doi.org/10.1007/978-3-030-01572-5_69)

3. Doke A, Pardeshi S.D., **Pardeshi S. S.** and Das S. (2018), 'Identification of morphogenetic regions and respective geomorphic processes: a GIS approach', Arabian Journal of Geosciences (2018) ISSN 1866-7511 Volume 11  
<https://doi.org/10.1007/s12517-017-3358-5>
4. Pardeshi S. D. Autade S. E. and **Pardeshi S. S.** (2013), 'Landslide hazard assessment: recent trends and techniques', in Springer Plus ISSN 2193-1801 Impact factor: 0.982  
<http://www.springerplus.com/content/2/1/523>.
5. Autade S. E. Pardeshi S. D. and **Pardeshi S. S.** (2013), 'Assessment of Spatiotemporal Distribution of Landslides in North Thane District, Maharashtra' in Journal of Indian Geomorphology Vol. 2, 2013 ISSN 2320-0731 pp. 91-99.
6. **Pardeshi S. S.** and Pardeshi S.D. (2013), 'Assessment of Link Channels of Krishna River in Kolhapur District Maharashtra', in Research Dimensions Vol. 2, and Issue 3, ISSN 2249-3867 pp. 35-40.
7. **Pardeshi S. S.** and Pardeshi S.D. (2013) 'Land capability based land use Recommendation for A World Heritage site of Kas plateau', Maharashtra, in Golden Research Thoughts Vol. III, Issue I, ISSN No. 2231-5063 pp. 23-26.
8. Pardeshi S.D. and **Pardeshi S. S.**, Jog S. R. (2011) 'Prospects of Rainwater Harvesting for Domestic Water Supply in Rural Areas of Pune District: an appraisal' in the proceedings of International conference in Chile, organized by UNESCO and Gent University Belgium, ISBN 978-92-9089-183-3 pp. 27-32.
9. Pardeshi S. D., **Pardeshi S. S.** (2011): Land Use and Land Cover Analysis of Kas-Patan Plateau of Satara District in Maharashtra, in The Goa Geographer vol. 8, no.1 ISSN-0976-786X pp. 134-141.

10. **Pardeshi S. S.** and Pardeshi S.D. (2011), 'Land capability Analysis of Kas-Patan Plateau of Satara District in Maharashtra', The Research Journal of Social Science, Jalgaon Maharashtra Vol II Issue- 2011 ISSN 0976-061X pp. 1-10.
11. Pardeshi S.D. and **Pardeshi S. S.**, Vikas Nagare (2009): A study of Effects of Landslides on Human environment in Thane District, Maharashtra in Deccan Geographer, Deccan Geographical Society India, Vol.47, No. 1 pp. 45-56.
12. Pardeshi S.D. and **Kumavat S.B.** (2007) 'Study of Abandoned quarries in and around Pune and Nasik Cities Maharashtra' Bulletin of Geography Phy. Sci. No.1, pp. 21-26.
13. Pardeshi S.D. and **Kumavat S.B.** (2005) 'Geomorphic mapping: A tool for planning and Development' in 'Vasundhara' the proceeding volume of International workshop on Digital Geography and Mapping' A.P. Geographical Society, Hyderabad pp. 77-80.

#### **Research Articles published in Books:**

1. Pardeshi S.D. and **Pardeshi S. S.** (2015), 'Role of Geoinformatics in Natural Resource Management' in Resource Management and Development Strategies Edited. By Dr. A. R. Siddiqui and P.K. Singh ISBN: 978-93-84292-21-8 pp. 51-56.
2. Pardeshi S.D. and **Pardeshi S. S.** (2012) 'Rajkiya Bhugol' (Marathi), in Samkaalin Rajyashastra: Rajyashastrachya Upavidyashakha Ani Abhyaspaddhati, Pawar P.R.(edit.), Diamond Publications, Pune ISBN 978-81-8483-476-5 pp. 174-183.

#### **Book Published**

Drainage Development on Lateritic Plateau of Western Maharashtra, Lambert Academic Publishing, (2013) ISBN 978-3-659-43366-5

### **Paper presented in International Conference:**

1. Participated in the 1st **International** Conference of Arabian Journal of Geosciences during 12<sup>th</sup> to 15<sup>th</sup> November 2018, at Hammamet, Tunisia and presented the paper entitled “Sinuosity of Meandering Channels in Upper Krishna River Basin, India”.
2. Participated in 33rd **International** Geographical Congress held at Beijing, China, during 21<sup>st</sup> to 25<sup>th</sup> August, 2016 and presented the paper entitled “Water Scarcity in the villages on Kas-Patan Laterite plateau in Satara District, India”.
3. Participated in 37th IIG Meet and **International** Conference held at Department of Geography Kurukshetra University, Kurukshetra, Haryana, during 11<sup>th</sup> to 13<sup>th</sup> Feb. 2016 and presented paper on “Land Resource Degradation around Urban areas: Few Observations in Western Maharashtra”.
4. Participated in 8th India **International** Geographical Union (IGU) Conference held at Department of Geography, S.N.D.T. Women’s University, Pune, during 4<sup>th</sup> to 6<sup>th</sup> Nov. 2015 and presented paper on “Identification of Landslide Prone areas in North Konkan Region, Maharashtra”.
5. Participated in **International** Geographical Union Regional Conference held at the Jagiellonian University in Krakow, Poland, during 18<sup>th</sup> to 22<sup>nd</sup> August, 2014 and presented the paper entitled “Identification and delineation of Laterite crust and overburden using landsat data”.
6. Participated in 1st **International** Conference of Association of Punjab Geographers and presented papers on “RS and GIS application in Identification and Mapping of Laterite rock and overburden on Kas-Patan plateau, Western Maharashtra, India” and “Landslide Hazard Assessment along Neral-Matheran Road, Maharashtra, India” held at Department of Geography Kurukshetra University, Kurukshetra, Haryana during 4<sup>th</sup> to 5<sup>th</sup> Oct. 2013.
7. Participated in **International** Conference and Annual Meeting of the Association of American Geographers (AAG) held in the Los Angeles, USA, during 8<sup>th</sup> to 13<sup>th</sup> April, 2013 and presented the paper entitled “Geomorphic Assessment of Lateritic Plateau of Kas-Patan in Maharashtra, India”.

8. Participated in **International** Geographical Union (IGU) Conference and presented papers on “land use and land cover Analysis of a Proposed World Heritage of Kas plateau, Maharashtra” and “Assessment of Temporal Pattern of landslide Distribution using Historical Records in Thane District, Maharashtra” held at Department of Geography Maharshi Dayanand University Rohtak, Haryana during 14<sup>th</sup> to 16<sup>th</sup> March. 2013.
9. Participated in 33rd IIG and **International** Seminar and presented paper on “Remote Sensing and GIS Applications in Land use land cover Pattern Analysis of Darna River Basin, Maharashtra” held at Department of Geography and Disaster Management, Tripura University during 8<sup>th</sup> to 11<sup>th</sup> Feb. 2012.
10. Participated in 33rd IIG and **International** Seminar and presented papers on “Imprints of Kas-Patan-----M.S.”, and “Estimation of Rainwater Availability for Sustainable----Pune” and Co-Chaired a session held at Department of Geography and Disaster Management, Tripura University during 8<sup>th</sup> to 11<sup>th</sup> Feb. 2012.
11. Participated in 3rd **International** Geography Congress and presented papers on ‘Terrain analysis for land resource management of Kas-Patan lateritic plateau in western Maharashtra’ and ‘An assessment of rainwater harvesting for domestic water supply in rural areas of Pune district, Maharashtra’ held at CWRDM, Calicut Kerala during 6<sup>th</sup> to 8<sup>th</sup> May 2011.
12. Participated in the **International** workshop on ‘Digital Geography and Mapping’ Presented a paper on ‘Geomorphic mapping: A tool for planning and Development’ held at Survey Training Institute, Survey of India, Hyderabad (2005).
13. Participated in 24th IIG meet and **International** conference presented a paper on ‘Agricultural practices along the periphery of Dam reservoirs’ held at North- Eastern Hill University, Shillong (Meghalaya) 27<sup>th</sup> to 29<sup>th</sup> March, 2003.
14. Participated in **International** conference and 23rd IIG meet presented a paper on ‘Suggested usage of abandoned stone quarries’ held at Banaras Hindu University, Varanasi, during 1<sup>st</sup> to 3<sup>rd</sup> December 2001

**Paper presented in National/ State/ University level Conference:**

1. Participated in 30<sup>th</sup> **National** Conference of IGI held at Department of Geography, Jamia Millia Islamia University, New Delhi, during 3<sup>rd</sup> to 5<sup>th</sup> Oct. 2018 and presented papers on “Identification of potentials Landslide Risk Zones in North Konkan region of Maharashtra State” and “Impact of dykes on drainage network of the Shivan River in North Maharashtra”.
2. Participated in 28<sup>th</sup> IGI and **National** seminar held at Department of Geography, North-Eastern Hill University, Shillong, during 29<sup>th</sup> to 31<sup>st</sup> Oct. 2015 and presented paper on “Landslide Hazard Zonation of Western Upland Maharashtra”.
3. Participated in 26<sup>th</sup> Annual and **National** Conference of IGI and presented papers on “Application of Band Ratio Techniques to Delineate Laterite Crust and overburden on Kas plateau in Satara District, Maharashtra” and “Spatio-Temporal Distribution of Landslides in Thane and North Raigad District, Maharashtra” jointly organized by Department of Geography and Geology the Maharaja Sayajirao University of Baroda, Vadodara, Gujarat during 20<sup>th</sup> to 22<sup>nd</sup> Nov. 2013.
4. Participated in 25<sup>th</sup> IGI and **National** Conference and presented papers on “Imprints of Geomorphic Processes on lateritic Plateau of Satara District” and “Scenario of Anthropogenic landscape around Pune City, Maharashtra” held at Department of Geography Allahabad University during 22<sup>nd</sup> to 24<sup>th</sup> Dec. 2012.
5. Participated in the **National** conference presented a paper on ‘Geomorphic Assessment of lateritic landscape for land resource Management of Kas-Patan plateau in Western Maharashtra’ held at Department of Geology, Anna University, Chennai during 19<sup>th</sup> to 22<sup>nd</sup> October 2011.
6. Participated in the 20<sup>th</sup> IGI **National** Conference and presented papers on ‘Morphometric characteristics of landslide debris on Sayadri Mountain slope in thane district Maharashtra’ and ‘Lithological control on channel morphology A case study of Kas river gorge in Ahmednagar district Maharashtra’ held at BHU, Varanasi, during 15<sup>th</sup> to 17<sup>th</sup> February, 2008.

7. Participated in a **National** conference and presented a paper on ‘Study of Anthropogenic landscape around Pune city’ held at Department of Geography, Jammu University during Feb.23<sup>rd</sup> to 25<sup>th</sup> 2006.
8. Participated in the 17th IGI **National** Conference and presented a paper on ‘Drainage Characteristics of Kas plateau streams, Maharashtra’ held at Department of Geography, Pune University, during 29<sup>th</sup> to 30<sup>th</sup> November and 1<sup>st</sup> December 2004.
9. Presented a paper in National Seminar of IIG on ‘Managing the Urban fringes of Indian cities’ held at Pune University, during 27<sup>th</sup> to 28<sup>th</sup> November 2002.
10. Participated in the 14th IGI **National** conference presented a paper on ‘The watershed management and its monitoring after execution of project (A case study of Tikona village Pune district.)’ held at Annamalai University, Chidambaram (T.N) during 28<sup>th</sup> to 30<sup>th</sup> December 2001.
11. Participated in **National** Conference and 19th IIG conference and presented a paper on ‘Link channel development in Krishna River flood plain’ held at Pune University, Pune during March 1998.

**Seminars/Workshops/ Training courses attended:**

1. Participated in the one-day National seminar on ‘Applications of Remote Sensing and G.I.S. in Geography’ held at Department of Geography, University of Pune’ on 21<sup>st</sup> March 2010.
2. Participated in the IIG National Conference held at Department of Geography, Pune University Pune, on ‘Urban fringe’ during Feb 2009.
3. Participated in the **National** Training Course on ‘Identification of Geomorphic features from toposheet and aerial photographs’ During 5<sup>th</sup> to 8<sup>th</sup> May 2003 held at Department of Geography University of Pune.
4. Participated in the **National** Seminar on ‘Application of new techniques in modern Geography’ during 26<sup>th</sup> to 27<sup>th</sup> February 2001 held at Department of Geography University of Pune.
5. Participated in the 18th IIG **National** conference on Geography and Thematic Cartography held at NATMO, Calcutta. During 27<sup>th</sup> to 29<sup>th</sup> November 1996.



6. Participated in the 8th **National** IGI conference held at Viswa-Bharati University, Shanti Niketan (W. Bengal) during 23<sup>rd</sup> to 25<sup>th</sup> November 1996.
7. Participated in 7th National IGI seminar held at Tamil University Thanjavur (T.N.) during 1st to 3rd Oct. 1995.
8. Participated in 7th **National** IGI seminar held at Tamil University Thanjavur (T.N.) during 1<sup>st</sup> to 3<sup>rd</sup> Oct. 1995.

**Memberships on various bodies:**

International Association of Geomorphologists. (NHWG)  
 Institute of Indian Geographers, (IIG) Pune. (Life Member)  
 Indian Institute of Geomorphologists (IGI) Allahabad. (Life member)  
 The Deccan Geographical Society, Pune. (Life Member)  
 Indian Metrological Society, Pune (Life Member)  
 Association of Punjab Geographers (Life Member)  
 Indian Society of Remote Sensing, Dehradun (Life Member)

**Students registered for Ph.D.**

Sr. No.	Name of the Student	Ph.D. Topic	Research Centre	Date from
1	Sundeep Bhise	Control of dykes on the drainage network and channel geometry in the Nandurbar-Dhule Area, Western India	Department of Geography, Savitribai Phule Pune University, Pune 411 007	20/12/2017
2.	Ms. Rai Roshni Rajesh	Assessment of Forest Change and its Impact in Lohit District, Arunachal Pradesh	Department of Geography, Ahmednagar college Ahmednagar	08/03/2018