

Research Publications

2021-22, 2021-23

- i. Book chapter: Mawale, K., Chhabda, J.K., and Petkar, A.S. (2022). "Assessment of Groundwater Vulnerability to Climate Change of Jalgaon District (M.S.), India, Using GIS Techniques", Springer Climate - Ecological Footprints of Climate Change - Adaptive Approaches and Sustainability, ISBN 978-3-031-15500-0 ISBN 978-3-031-15501-7 (eBook), pp.179-200. available at <https://doi.org/10.1007/978-3-031-15501-7>
- ii. Sonar S.G. and Petkar A.S. (2022). "Analyzing Issues Pertaining to Cantonment Areas in Indian Context", Journal of the Institute of Town Planners, India, Vol.19, No.4, IISN: 0537-9679, pp. 21-31.
- iii. Nimbalkar K.C. and Petkar A.S. (2022). "Study and development approaches for creating Model Villages in Maharashtra: A case study from Pune", Uttar Pradesh Geographical Journal, Vol. 27, ISSN:0975-4903, pp.49-56.
- iv. Lad, K.S. and Petkar A.S. (2022). "Assessing transformations in peri-urban areas using GIS: A case of Pune city, India", GeoScape Journal, 16(1) - 2022, pp.80-92, Doi: 10.2478/geosc-2022-0007.
- v. Salgude Patil D. B. and Petkar A.S. (2022). "Bridging the gap between housing supply and demand: A case of Malshiras, Solapur", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 67-75.
- vi. Bhalekar Sanket Balasaheb and Petkar A.S. (2022). "Identifying Different Parameters of Pedestrian Infrastructure under Smart City Mission", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 301-310.
- vii. Bhandari Shivani Surendra and Petkar A.S. (2022). "Identifying Parameters of City Planning for Crime Prevention", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 131-143.
- viii. Nitish Zurmure and Petkar A.S. (2022). "Spatio-temporal analysis of Urban sprawl- Pune Municipal Region", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 500-510.
- ix. Sreekar Maddala and Petkar A.S. (2022). "Location Intelligence and its applications in Smart City Management", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 493-499.

- x. Sonar S.G. and Petkar A.S. (2022). "Analyzing Issues Pertaining to Cantonment Areas in Indian Context", Proceedings of 70th National Town & Country Planners Conference held at Bhopal on 15-17 April 2022, pp.382-390.
- xi. Pal I. and Petkar A.S. (2022). "Evaluating healthcare access in informal settlements using satellites and neural networks", Proceedings of the Institution of Civil Engineers – Smart Infrastructure and Construction, E-ISSN 2397-8759, Vol. 175 Issue 3, pp.116-126, <https://doi.org/10.1680/jsmic.21.00006>
- xii. Sushant Bhamare and Gandhile. P (2022). "Location Suitability of Electric Vehicle Charging Stations in Navi Mumbai", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp.322-332.
- xiii. Dhairyawardhan Vairagade and Gandhile. P (2022). "Urban Growth Modelling Of Nagpur City Using GIS", Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp.522-528.
- xiv. Rutvik Belsare and Gandhile P (2022). "Area Appreciation of Narendra Nagar, A Case Study of Nagpur", Proceedings of National Conference on Built Environment and Beyond: Theory and Practice" held on 18th and 19th of October in 2022 at Dr. Bhanuben Nanavati College of Architecture for Women, Pune. ISBN: 978-81-955887-1-8, pp.329-248.
- xv. N. Deoghare, A. Kakirde, Determining Residential Land value using Hedonic Pricing model, National Online Conference on Planning, Design and Management 2022 organized by College of Engineering Pune. 6-7 May 2022
- xvi. P. Shinde, A. Kakirde, The Effect of the Built Environment and Neighbourhood in Promoting Walkability National Online Conference on Planning, Design and Management 2022 organized by College of Engineering Pune. 6-7 May 2022
- xvii. U. Baxi, A. Kakirde, Potential of Commercial Streets as Public Urban Spaces: Case of Pune City, International Conference on Inclusive and Resilient Cities, for safe and sustainable 2022 organized by Sushant University, Delhi.
- xviii. A. Jadhav, A. Kakirde, Understanding the Role of Walking and Cycling in Achieving Green Mobility:(Case Of Aundh And Balewadi In Pune), International Conference on Inclusive and Resilient Cities, for safe and sustainable 2022 organized by Sushant University.
- xix. A. Bedagkar , A. Kakirde, Analyzing Future Development Potential in Peri-Urban areas – A case of Sangli-Miraj-Kupwad Municipal Corporation, International Conference on Inclusive and Resilient Cities, for safe and sustainable 2022 organized by Sushant University.
- xx. A. Kakirde, G. Desai, Public Perception of Streetscape in Pune, "Multidisciplinary International Conference on Contemporary Issues in Education" "Management, Law,

Technology, Entrepreneurship and Humanities” organized by Ajeenkya D. Y. Patil University, Pune, October 2022.

- xxi. A. Kakirde, G. Desai, Analyzing the Vibrancy of Commercial Street-A Case of Pune, Proceedings of Metagreen Dimensions 2022, Biennial conference on value by design organized by College of Architecture, Trivandrum, October 2022
- xxii. A. Kakirde, G. Desai, Visual Analysis of Commercial Street in Pune, Proceeding of 2nd Multidisciplinary ICISDG 2022 (December 2022)
- xxiii. Assessing the Quality of Low Income Group Houses in India: Identification of Indicators, Yogesh M Keskar, B Choudhury, N R Mandal, Nagarlok, June 2022
- xxiv. Mansi Jadhav and Shubhangi Thakre (2022). “Analysis of Town Planning Scheme as a tool for Planned Development of Pune Metropolitan Region”, Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 356-363.
- xxv. Amulya Patil and Shubhangi Thakre (2022). “Analysis of proposals in the Draft Development Plan of Pune Metropolitan Region”, Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp. 311-322.
- xxvi. Tejaswi Mogal and Shubhangi Thakre (2022). “GIS-Based Site Suitability for charging station for E-vehicles in Nashik”, Proceedings of National Online Conference on Planning, Design and Management–2022 organized by College of Engineering Pune held on 06-07 May 2022, ISBN: 978-93-5583-037-1, pp.511-521.
- xxvii. Rutvik Belsare, Aarya Watane and Shubhangi Thakre (2022). “A Designed Model of Neighborhood in Pune by Analyzing Concepts of Sustainability and Affordable Housing in Townships” Proceedings of National Conference on Built Environment and Beyond: Theory and Practice" held on 18th and 19th of October in 2022 at Dr. Bhanuben Nanavati College of Architecture for Women, Pune. ISBN: 978-81-955887-1-8, pp.293-302.
- xxviii. Prajakta N. Patil, Snehal Bansode (2022). “To study Socio-economic parameter for Up-gradation of declining town case study: Sangola”, Proceedings of National Online Conference on Planning, Design and Management- 2022 " Organized by the Planning, COEP on 6- 7 May 22
- xxix. Nikita Sambhaji Mane, Ms. Snehal Bansode. “Studying The Performance Of Bus Rapid Transit System Pune” Proceedings of National Online Conference on Planning, Design and Management- 2022 " Organized by the Planning, COEP on 6- 7 May 22