

LIST OF PUBLICATIONS(LAST INDEXED 31 DECEMBER 2023)

- 1. Adabala Raja Venkata Sai Naresh, Radhakanta Koner. "Automatic Extraction of Accurate Particle Sizes from a 3D Point Cloud of Rock Masses Based on a Hybrid Modified Bounding Box Algorithm." (Dec 2023) [Article]**
- 2. Ashish Soni, Radhakanta Koner, Vasant Govind Kumar Villuri. "Uncertainty based regional-decision fusion of multispectral and nDSM for ultra-high resolution UAV imagery." (Dec 2023) [Article]**
- 3. Kapoor Chand, Dipti Mor, Mihira Karanjai, Radhakanta Koner. "Dump Susceptibility Analysis Under Earthquake Conditions Using Numerical Modelling." (Nov 2023) [Chapter]**
- 4. Amit Kumar Mankar, Radhakanta Koner. "UAV Technology-Based 3D Reconstruction for Mine Dump Slope Assessment." (Nov 2023) [Chapter]**
- 5. Kapoor Chand, Radhakanta Koner. "Internal Mine Dump Slope Stability and Failure Zone Identification using 3D Modelling." (Sep 2023) [Article]**
- 6. Kapoor Chand, Radhakanta Koner. "Failure Zone Identification and Slope Stability Analysis of Mine Dump Based on Realistic 3D Numerical Modeling." (Aug 2023) [Article]**
- 7. Ashish Soni, Shreya Rakshit, Radhakanta Koner. "Mine Machinery Detection (MMD) from Remote sensing images: A comparative study." (Feb 2023) [Conference Paper]**
- 8. Suman Midda, Radhakanta Koner. "Application of Low Cost Energy Efficient ZigBee Network Protocol To Develop A Cyber-Physical Intelligent System For Monitoring Mine Slope Health." (Feb 2023) [Conference Paper]**
- 9. Ashish Soni, Radhakanta Koner, Vasant Govind Kumar Villuri. "Uncertainty based Regional-Decision Fusion of Multispectral and nDSM for Ultra-High Resolution UAV Imagery." (Oct 2022) [Preprint]**
- 10. Shirshendu Layek, Vasanta Govind Kumar Villuri, Radhakanta Koner, Kapoor Chand. "Rainfall & Seismological Dump Slope Stability Analysis on Active Mine Waste Dump Slope with UAV." (Aug 2022) [Article]**
- 11. Arunava Ray, Harshal Verma, Ashutosh Bharati, Trilok Singh, Radhakanta Koner. "Numerical modelling of rheological properties of landslide debris." (Feb 2022) [Article]**
- 12. Ashish Soni, Radhakanta Koner, Vasant Govind Kumar Villuri. "Uncertainty Based Regional-Decision Fusion of Multispectral and Dsm for Ultra-High Resolution Uav Imagery." (Jan 2022) [Article]**
- 13. Ashish Soni, Radhakanta Koner, Vasant Govind Kumar Villuri. "Fusion of Dual-Scale Convolution**

Neural Network for Urban Building Footprints." (Nov 2021) [Article]

14. Radhakanta Koner. "Estimation of the optimum geometric configuration of mine dumps in Wardha valley coalfields: a case study." (Oct 2021) [Article]

15. Ashish Soni, Radhakanta Koner, Vasanta Govind Kumar Villuri. "M-UNet: Modified U-Net Segmentation Framework with Satellite Imagery." (Apr 2020) [Chapter]

16. Ashish Soni, Radhakanta Koner, Vasanta Govind Kumar Villuri. "Influence of Hyperparameter in Deep Convolution Neural Network Using High-Resolution Satellite Data." (Jan 2020) [Chapter]

17. Shirshendu Layek, Rajat Kumar Singh, Vasanta Govind Kumar Villuri, Rupali Khare. "3D Reconstruction: An Emerging Prospect for Surveying." (Jan 2020) [Chapter]

18. Radhakanta Koner, Debashish Chakravarty. "Discrete element approach for mine dump stability analysis." (Dec 2015) [Data]

19. Radhakanta Koner, Debashish Chakravarty. "STABILITY STUDY OF THE MINE OVERBURDEN DUMPS SLOPE: A MICROMECHANICAL APPROACH." (Dec 2015) [Data]

20. Radhakanta Koner, Debashish Chakravarty. "Characterisation of overburden dump materials: a case study from the Wardha valley coal field." (Dec 2015) [Article]

21. Radhakanta Koner, Debashish Chakravarty. "Numerical analysis of rainfall effects in external overburden dump." (Jun 2015) [Article]

22. Radhakanta Koner, Debashish Chakravarty. "Discrete element approach for mine dump stability analysis." (Nov 2010) [Article]

23. Radhakanta Koner, Debashish Chakravarty. "Evaluation Of Seismic Response Of External Mine Overburden Dumps." (May 2010) [Conference Paper]

24. Radhakanta Koner, Debashish Chakravarty. "Earthquake response of external mine overburden dumps: A micromechanical approach." (Mar 2010) [Article]

25. Radhakanta Koner, Debashish Chakravarty. "Continuum and discontinuum analysis on failure behaviour of dump slope." (Oct 2009) [Article]

26. Radhakanta Koner, Debashish Chakravarty. "Effect of rainfall on dump slope stability: A numerical approach." (Jun 2008) [Conference Paper]