Vaibhav R. Pandit (Ph.D.)

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C–101, Krishna Apartment, Plot No.10, Sector–36,
Kamothe – 410209, Navi Mumbai, Maharashtra State, India.

Professional Qualification:

- **Ph.D. (Electronics and Telecommunication Engineering), 2021**
  Sant Gadge Baba Amravati University, Amravati, Maharashtra, India.

- **M.E. (Digital Electronics), 2013**
  Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India.

- **B.E. (Electronics and Telecommunication Engineering), 2009**
  Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati, Maharashtra, India.

Reviewer:

1. Computers & Electrical Engineering, Elsevier.
2. Journal of Computational Methods in Sciences and Engineering (JCMSE), IOS Press.
3. International Conference on "Recent Advancements and Innovation in Computing, Communications, and Information Technology" (ICRAIC2IT), NRI Institute of Technology, Agiripalli, Dist. Eluru, Andhra Pradesh, 22 to 24 April 2022.
4. IETE Zonal Seminar "Recent Trends in Engineering & Technology" (RTinET), 2017
5. IETE National Technical Paper Contest (NTPC), 2016
6. International Journal of Emerging Technology and Advance Engineering (IJETAE)

Major Subjects:

Remote Sensing, Signal & Image Processing, Communication & Microwave Engineering, Embedded Systems, etc.

Citation Analysis:

149 citations (h-index 5 and i10-index 2) in google scholar
https://scholar.google.com/citations?user=fNTG2cAAAAAJ&hl=en

List of Publication:

- Swati Rane, Lakshmappa Ragha, Siddalingappagouda Biradar, Vaibhav R. Pandit, "Image Denoising using Adaptive Patch Clustering with Suboptimal Wiener Filter in PCA Domain", International Journal of Engineering Trends and Technology (IJETT), (Scopus Indexed), vol 70, no. 11, pp 19-27, Nov 2022. (DOI: https://doi.org/10.14445/22315381/IJETT-V70I11P203)

- Swati Rane, Lakshmappa Ragha, Siddalingappagouda Biradar, Vaibhav R. Pandit, "Using Marchenko--Pastur SVD and Linear MMSE Estimation for Reducing Image Noise", International Journal of Next-Generation Computing, vol 13, no. 5, pp 1156-1164, Nov 2022.

  (DOI: https://doi.org/10.47164/ijngc.v13i5.915)

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Morphology-Based Spatial Filtering for Efficiency Enhancement of Remote Sensing Image Fusion", Computers & Electrical Engineering, Elsevier, vol. 89, 106945, Jan. 2021. (DOI: https://doi.org/10.1016/j.compeleceng.2020.106945).

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Multispectral to Panchromatic Image Fusion Based on Morphological Extended-Half-Gradient", Journal of the Indian Society of Remote Sensing, Springer, vol. 48, no. 6, pp. 945–957, Jun. 2020. (DOI: https://doi.org/10.1007/s12524-020-01127-2).

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Remote Sensing Image Fusion Using High-Resolution Scale Regression and Half-Gradient", International Journal of Scientific & Technology Research (Scopus Indexed), vol. 9, no. 2, pp. 141-149, Feb. 2020

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Optimizing Sensor Relationship for Fusion of Multispectral and Panchromatic Imagery", International Journal of Innovative Technology and Exploring Engineering (Scopus Indexed), vol. 9, no. 2, pp. 3077–3083, Dec. 2019.
  (DOI: https://doi.org/10.35940/ijitee.B7334.129219)

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Image Fusion in Remote Sensing Applications: A Review", International Journal of Computer Applications, vol. 120, no. 10, pp. 22–32, Jun. 2015.

  (DOI: https://doi.org/10.5120/21263-3846)

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Using Image Segmentation for Fusion of Multi-spectral to Panchromatic Imagery", in Proc. IEEE Fifth International Conference on Image Information Processing (ICIIP), Waknaghat, Himachal Pradesh, India, Nov. 2019.

  (DOI: https://doi.org/10.1109/ICIIP47207.2019.8985910)

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Fusion of Remote Sensing Imagery Using Morphological Gradient", in Proc. IEEE 5th International Conference on Computing, Communication, Control and Automation (ICCUBEA), Pune, Maharashtra, India, Sept. 2019. (Awarded 'Best Paper of the Session')

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Fusion of QuickBird Imagery Using Multi-Resolution Analysis Based Algorithms", in Proc. IEEE 4th International Conference on Communicationand Electronics Systems (ICCES), Coimbatore, Tamil Nadu, India, Jul. 2019, pp. 933–940.

- Vaibhav R. Pandit and Dr. R. J. Bhiwani, "Component Substitution Based Fusion of WorldView Imagery", in Proc. IEEE The 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT, Kanpur, Uttar Pradesh, India, Jul. 2019. (DOI: 10.1109/ICCCNT45670.2019.8944532)

- Other publications are listed on following platforms:

https://scholar.google.com/citations?user=fNTG2cAAAAAJ&hl=en

https://www.researchgate.net/profile/Vaibhav_Pandit

Software Tools:

MATLAB, Cadence, etc.

Professional Association:

- Institute of Electrical and Electronics Engineers (IEEE), and its Geoscience and Remote Sensing Society (GRSS) - Student Member
- Indian Society for Technical Education (ISTE) - Life Member
- The Institution of Engineers, India (IEI) - Associate Member
- The Institution of Electronics and Telecommunication Engineers (IETE) - Associate Member
- The Institute of Research Engineers & Doctors, IRED (Universal Association of Computer & Electronics Engineers, UACEE) - Associate Member
- International Association of Engineers (IAENG) - Member

Declaration
I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Dr. Vaibhav R. Pandit

Place: Navi Mumbai