

RESUME

Personal Information

Name : **Dixit Mandar Madhukar**
Designation : Assistant Professor
Department : Electrical Engineering
Vidya Prasarak Mandal's College of
Engineering/Polytechnic,
College Campus,Thane(W)-400601

Educational Qualification

- ❖ Pursuing Ph.D. from National Technical University Igor Sikorsky Kyiv Polytechnic Institute, Ukraine
- ❖ Master of Engineering from Mumbai University in 2018 with First Class Distinction.
- ❖ Bachelor of Technology from Dr Babasaheb Ambedkar Technological University, Lonere, in 1999 with First Class.

Experience

- ❖ Currently working as Assistant Professor in Vidya Prasarak Mandal's College of Engineering, Thane from July 2025.
- ❖ Worked as Assistant Professor in Electrical Engineering Department in Vishwaniketan's iMEET, Khalapur from July 2015 to July 2025.
- ❖ Worked as Head of Electrical Power System Department in B. L. Patil Polytechnic, Khopoli from July 2006 to February 2015.
- ❖ Worked as Lecturer in Electrical Power System Department in B. L. Patil Polytechnic, Khopoli from September 2000 to June 2006.

Presented papers in conferences

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- ❖ Brzhezitsky, VO; Haran, YO; Trotsenko, YO; Protsenko, OR; Derzhuk, AO; Dixit, MM, "Ultimate effect of non-identity of resistive elements of high-voltage arm on frequency characteristics of broadband voltage divider (numerical research)", 2022 IEEE 8th International Conference on Energy Smart Systems (ESS), Kyiv, Ukraine
- ❖ Y Trotsenko, M Dixit, V Mykhailenko, "Expression for Calculation of Lightning Ground Flash Density for Conditions of India", 2021 IEEE International Conference on Modern Electrical and Energy Systems (MEES), Kremenchuk, Ukraine
- ❖ Dixit, M; Shostak, V, "Review of Thunderstorm Activities in India for Analysis of Lightning Performance of Power Lines", International Scientific and Technical Conference on Modern Problems of Electrical Power Engineering and Automation, 2019, Kyiv, Ukraine

Published papers in journals

- ❖ Y.O. Haran, Y.O. Trotsenko, O.R. Protsenko, M.M. Dixit , “The impact of parasitic capacitances on the accuracy of scale transformation of high-voltage Dividers” *Electrical Engineering & Electromechanics*, 2025, no. 1, 65-72, <https://doi.org/10.20998/2074-272X.2025.1.09>
- ❖ Y.O. Trotsenko , M.M. Dixit, Artem Nesterko , Julia Peretyatko, “Assessment of Conductor Sagging Effects on Lightning Shielding Performance of Overhead Power Transmission Lines, Bulletin of KNU named after Mykhailo Ostrohradskyi. Issue 5 / 2023 (142) , 103-109, <https://doi.org/10.32782/1995-0519.2023.5.12>
- ❖ Mandar Dixit, Dipesh Patil, Sidheish Borrse, SachinKumar Singh, Rohan Ghodvinde, “Automatic Plant Irrigation System”, International Engineering Journal for Research & Development Vol. 8 Issue 3, 2023 E-ISSN NO: 2349-0721. Deep Balkawade, Vivek Pawar, Rahul Pingale, Mayuri Waghmare, Dr. B.R. Patil, Mandar Dixit, “Dual Axis Solar Tracking System”, International Engineering Journal for Research & Development Vol. 8 Issue 3, 2023 E-ISSN NO: 2349-0721. Mandar Dixit, Aditya Mishra, Pawan Yede, Shreyas Shinde, “Wireless Electric Vehicle Charging Station”, International Engineering Journal for Research & Development Vol. 8 Issue 3, 2023 E-ISSN NO: 234.O.
- ❖ Trotsenko, T.L. Katsadze, M.M. Dixit, J.V. Peretyatko, “Electricity Transmission and Environment: Effect of Wind Loads on Lightning Shielding Performance of Overhead Power Lines”, *Energy: Economics, Technology, Ecology*. 2023. No. 1, ISSN 1813-5420.
- ❖ Y.O. Trotsenko, O.S. Yandulskyy, M.M. Dixit, J.V. Peretyatko, “Effect of Discharge Current Magnitude on Effectiveness of Overhead Power Line Protection Against Direct Lightning Strokes”, *Energy: Economics, Technology, Ecology*. 2023. No. 2, ISSN 1813-5420.
- ❖ Y.O. Trotsenko, J.V. Peretyatko, M.M. Dixit, V.V. Hohol, “Overview of Factors Affecting the Estimation of Lightning Shielding Performance of Overhead Transmission Lines”, *Energy: Economics, Technology, Ecology*. 2022. No. 4, ISSN 1813-5420.
- ❖ Y.O. Trotsenko , M.M. Dixit, Artem Nesterko , Julia Peretyatko, “Mitigation Of Environmental Impacts of Electricity Transmission: Effect of Deciduous Trees on Electric Field Caused by Overhead Power Lines”, Bulletin of KNU named after Mykhailo Ostrohradskyi. Issue 1 / 2022 (132) .103-109, <https://doi.org/10.32782/1995-0519.2022.1.72>
- ❖ Y. Trotsenko, V. Brzhezitskyy, O. Yandulskyy, A. Nesterko, M. Dixit. “Effect of lightning currents of negative and positive polarity on surge arrester”. Transactions of Kremenchuk Mykhailo Ostrohradskyi National University, 2021, Issue 3(128), pp. 84-90. doi: 10.30929/1995-0519.2021.3.84-90. (in Ukrainian).
- ❖ Y. Trotsenko, V. Brzhezitskyy, O. Yandulskyy, A. Nesterko, M. Dixit. “Effect of lightning currents of negative and positive polarity on surge arrester in parallel connection”. Transactions of Kremenchuk Mykhailo Ostrohradskyi National University, 2021, Issue 4(129), pp. 142-148. DOI: 10.30929/1995-0519.2021.4.142-148. (in Ukrainian).

- ❖ Y. Trotsenko, A. Nesterko, V. Chyzhevskiy, M.M. Dixit, “Estimation of inductive voltage drop in connecting wires of surge arrester”. Transactions of Kremenchuk Mykhailo Ostrohradskiy National University, 2021, Issue 4(129), pp. 157-162. doi: 10.30929/1995-0519.2021.4.157-162 (in Ukrainian).
- ❖ Trotsenko, Y., Dixit, M. M., Brzhezitsky, V., Haran, Y. (2021). “Estimation of voltage waveform at top of transmission line tower struck by lightning of negative and positive polarity”, Technology Audit and Production Reserves, 3 (1 (59)), 34–39. doi: [http://doi.org/ 10.15587/2706-5448.2021.232821](http://doi.org/10.15587/2706-5448.2021.232821).

Awards and Achievements

- ❖ Prepared Educational videos for subject Basic Electrical Engineering.
- ❖ The project guided “Case Study of Residential Green Building” for Nimbalkar Bungalow in Badlapur won prizes in Passive Architecture design category and Energy management category in GRIHA Summit 2019.
- ❖ Successfully coordinated training of 250 students from nearby areas of Khalapur through different skilled based courses under PMKVY-TI scheme of Govt. of India in 2017-18 and 2018-19.
- ❖ Guest Speaker in STTP organized by BVIT, Navi Mumbai from 21/10/2024 to 25/10/2024.
- ❖ Donating blood after every six months in camps, blood banks and hospitals.
- ❖ Working as Reviewer for International Conferences.

Date :12/11/2025

Place: Thane

Mandar M. Dixit