

**Name** : Dr. Jalaja Udoshi  
**Designation** : Lecturer  
**Qualification** : Ph.D, M.Phil, MCA  
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**Date of joining the Institution** : 02/07/2022  
**Experience** :

Teaching	Research
20	04

**No. of papers published in Conferences** :

International	National	State
02	01	01

**No. of papers published in Journals** :

International	National	State
09		

**Responsibilities Shared in the College:**

- NACC Criteria I Member
- Event Coordinator/Head for Inhouse activities
- Incharge of organizing Workshop and Seminar for Department of BCA.

**Awards:**

**Grants received for Research:**

❖ **UGC/DST:**Completed/Ongoing

**Title:.**

**GrantNo.:**

**TotalGrant:**

**Duration:**

**Memberships of Academic Bodies:**

## CONFERENCES:

### International

Sr No.	Title of the Paper with name of the Conference	Year
1.	Aluminium Oxide ( $\text{Al}_2\text{O}_3$ ) Nanopore Image Analysis using Digital Image Processing Techniques, Proceedings of IEEE, Third International Conference on Computing, Control and Automation (ICCUBEA-2017), organized by Pimpri Chinchwad College of Engineering, Pune on 17th and 18th-August-2017, INSPEC Accession Number: 18080272, IEEE Xplore.	2017
2.	Effect of Time on Aluminium Oxide FESEM Nanopore Images using Fuzzy Inference System, Proceedings of CCIS Springer, Second International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R 2018), organized by Solapur University, Solapur, Maharashtra state, INDIA on December 21st and 22nd, 2018, Communications in Computer and Information Science, Vol. 1037, Springer, Singapore, , 2019, pp. 397-405.	2018

### National

Sr No.	Title of the Paper with name of the Conference	Year
1.	Measurement of Physical Properties of Anodized $\text{Al}_2\text{O}_3$ FESEM Images, Proceedings of the National Conference on "Computer Science and Information Technology" (NCCSIT 2017) organized by Department of Computer Science, Karnataka State Women's University, Vijayapura on 3rd and 4th March 2017, pp. 37-42, ISBN. 978-93-84803-00-1.	2017

## Publications List:

### International Journals:

SrNo.	Title and Publication	Year
1.	Effect of Concentration and Temperature on Aluminium Oxide Nanopore FESEM Images, International Journal of Computer Engineering and Applications (IJCEA), Vol.12, Issue 1, 2018, pp. 222-229.	2018
2.	Measurement of Physical Properties of anodized $\text{Al}_2\text{O}_3$ FESEM Images, IJCA Proceedings on National Conference on Computer Science and Information Technology NCCSIT (2017), Vol. 0975, 2018, pp. 8-12.	2018
3.	Effect of Voltage on Aluminium Nanopore Images using Digital Image Processing Techniques, Journal of Nanoscience Nanoengineering and Applications, Vol. 8, Issue 3, 2018, pp. 8-14.	2018
4.	Categorization of Aluminium Oxide Nanoporous media based on the Pore Circularity using Image Processing Techniques,	2019

	Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue 4, 2019, pp. 349-355.	
5.	Characterization of Aluminium Oxide Nanoporous Images using different Segmentation Techniques, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, Issue 12, 2019, pp. 2491-2497.	2019
6.	Effect of Voltage, Concentration and Temperature on Aluminum Oxide Nanopores using Fuzzy Inference System, International Journal of Control and Automation, Vol. 12, Issue 6, 2020, pp. 686-696,	2020
7.	Automated Characterization of Aluminum Oxide Nanopore FESEM Images using Machine Learning Algorithms, International Journal of Advanced Science and Technology, Vol. 29, Issue 3, 2020, pp. 6932-6942.	2020
8.	An Improved Method for Automatic Characterization of Aluminum Oxide Nanopore FESEM Images, Journal of Critical Reviews (JCR), Vol. 7, Issue 19, 2020, pp. 5129-5140.	2020
9.	“Classification of Metal and Metal Oxide Nanoparticles using Machine Learning and Deep Learning Models”, Machine Vision and Applications, ISSN 14321769, 09328092 (Springer).	2021

#### National Journals:

SrNo.	Title and Publication	Year
1.		