

Profile

- Name : **Dr. G. S. Nhivekar**
- Department : Electronics and Computer Science,
Yashwantrao Chavan Institute of Science, Satara.
- Educational Qualification : M.Sc., SET, Ph.D. (Electronics)
- Experience : UG -06 Years
- Title of PhD Thesis :
DESIGN AND IMPLEMENTATION OF FPGA BASED EMBEDDED FUZZY LOGIC CONTROLLER FOR HIGH SPEED MACHINE TOOL TEMPERATURE CONTROL
- Name of the guide and Institution/University: Guide: Prof. R.R. Mudholkar
University: Shivaji University, Kolhapur
- Year of declaration of PhD 2014
- Recognized as M.Phil/Ph.D guide : - (Recognition Letter Number)
- Whether availed FDP/Fellowship/Scholarship:
UGC the Rajiv Gandhi National Fellowship (RGNF):-

Publication (Numbers only):

Papers: 22 Conference : 12 Books: 02

Patents: 01 (Application Accepted, Certificate of Design not Generated.)

Publications (*List of papers published in SCI Journals, in year wise descending order*).

Author(s)	Title	Name of Journal	Volume	Page	Year
Kiran A Nirmal, Ganesh S Nhivekar, Atul C Khot, Tukaram D Dongale, Tae Geun Kim	Unraveling the Effect of the Water Content in the Electrolyte on the Resistive Switching Properties of Self-Assembled One-Dimensional Anodized TiO ₂ Nanotubes	The Journal of Physical Chemistry Letters	13	7870-7880	2021
G.Nhivekar, S Barkade, J Wagh, B Jadhav	Fuzzy Logic Based Contactless Risk Dedication and Prevention System to prevent COVID-19 Suspect at Entrance	Journal of Advanced Engineering Research	8	91- 93	2021
S. S. Barkade, G. S. Nhivekar, J. A. Wagh and B. T. Jadhav	Applicative Aspects of Piezoelectric Sensors for Power Generation	Journal of Environmental Science, Computer Science and Engineering & Technology	9	663-667	2020
Nhivekar G.S., Mudholkar Ravi	TF Estimation and Verification of Machine Tool Cooler Prototype	International Journal of Advanced Scientific and Technical Research	3	520-527	2014
Nhivekar G.S., Mudholkar Ravi	FPGA based Fuzzy Optoelectronic Color Sensor System	International journal of computer applications	9	21-24	2013
Nhivekar Ganesh, Mudholkar Ravi	Microcontroller Based Low Cost Portable PC Mouse and Keyboard Tester	Leonardo Journal of Sciences (LJS) ISSN-1583-0223	11	31-36	2012
Nhivekar Ganesh,	Data Logger and Remote Monitoring System for	Journal of Electrical and Electronics	4	139-142	2011

Mudholkar Ravi	Multiple Parameter Measurement Applications	Engineering. ISSN:18446035			
Nhivekar Ganesh, Mudholkar Ravi	Implementation of fuzzy logic control algorithm in embedded microcomputers for dedicated application	international Journal of Engineering, Science and Technology , MultiCraft ISSN: 2141-2839	3	276-283	2011

Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	Device for Analyzing Oil Content in Aromatic Plants	Tukaram D. Dongale, Ganesh S. Nhivekar, Krantiveer V. More, Mansingraj S. Nimbalkar, Rajanish K. Kamat,	367486-001, 2022.	-	India	Application Accepted, Certificate of Design not Generated.

Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Basic Electronics-A practical approach (B.Sc.-I), ISBN:978-93-83796-05-2	G.S.Nhivekar, P.U.Lande	Swchand Publication	2015
2.	A Lab Manual Of Practical Course In Electronics, ISBN:978-93-89533-82-8	D.M.Panahalkar, G.S.Nhivekar, N.P.Mote,S.D.Jadhav	Nirale Prakashan	2018

Any other Information (maximum 500 words):

Dr. Ganesh S. Nhivekar is working as an Assistant Professor at the Department of Electronics , Yashavantrao Chavan Institute of Science ,Satara. He did his Bachelors and Masters in Electronics and awarded a Ph.D. degree from Shivaji University, Kolhapur. He has qualified SET (Electronic Science) exams. Furthermore, he was a recipient of the UGC Rajiv Gandhi National Fellowship. His area of research and expertise is Embedded System and Fuzzy Logic Controller. Presently he is working on IOT technology, He has developed prototype of IOT based solar powered autonomous weather station, IoT based multi parameter measurement in Chemical Analysis Systems and Device for Analyzing Oil Content in Aromatic Plants.

Participation in curriculum development:

Year	Role in curriculum design (BOS member, chairman, class etc)	Participation in draft syllabus workshop	
		Resource person	participant
2020-23	B.O.S. Chairman , Electronics Department , YCIS.	-	-

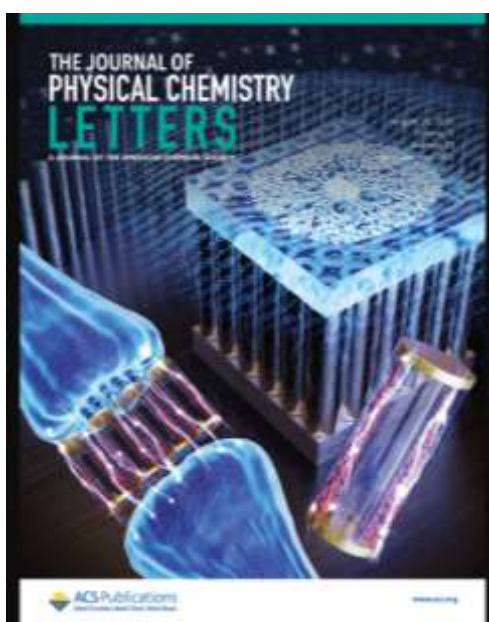
Award/prize/certificate etc. won by the investigator:

S.No	Name of Award	Awarding Agency	Year
1	Rajiv Gandhi National Fellowship (RGNF)	U.G.C.	2010-2014
2	Faculty Exchange	RUSA sponsored YCIS, Satara	2020

Projects submitted

S.No	Title of project	Name of Organization	Status
1	IoT and Geoinformatics Based Flood Monitoring and Prediction System	State University Research Excellence (SERB SURE)	Submitted
2	Design and development of Portable Soil tester using Visible- Near infrared reflectance spectroscopy	RUSA sponsored In-house Scheme, YCIS, Satara.	Sanctioned
3	Use of Augmented reality for making educational modules.	RUSA sponsored In-house Scheme, YCIS, Satara	Sanctioned

Journal Cover Image



Unraveling the Effect of the Water Content in the Electrolyte on the Resistive Switching Properties of Self-Assembled One-Dimensional Anodized TiO₂ Nanotubes

Kiran A. Nirmal, Ganesh S. Nhivekar, Atul C. Khot, Tukaram D. Dongale, and Tae Geun Kim *The Journal of Physical Chemistry Letters* 2022 13 (33), 7870-7880
DOI: 10.1021/acs.jpcllett.2c01075