



CURRICULUM VITAE OF PRINCIPAL ACADEMIC STAFF

1. NAME:

Dr.N.JEYAKUMARAN., M.Sc., M.Phil., Ph.D.,

2. ADDRESS

Dean Research and Associate Professor of Physics, V.H.N.S.N.College
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3. ACADEMIC QUALIFICATIONS:

- M.Sc (Physics) in V.H.N.S.N College, Virudhunagar, Tamilnadu.
- M.Phil (Energy Science) in Madurai Kamaraj University, Madurai, Tamilnadu.
- Ph.D. (Physics) in Gandhigram Rural University, Gandhigram, Tamilnadu.

4. AREAS OF RESEARCH:

- Renewable Energy Resource and Technologies, Rational use of Energy, Energy Efficiency, Energy and Sustainable development studies
- Nano Science & Technology.

AWARDS : 1. Best Renewable Energy Scientist Award - 2016

2. Best Teacher Award in College - 2012

SPONSORED RESEARCH PROJECTS:

- MAJOR AND MINOR RESEARCH PROJECTS : **40 Lakhs**
- CAREER ORIENTED PROGRAM ON RENEWABLE ENERGY : **Rs.10 Lakhs**
- B.VOC – RENEWABLE ENERGY

BOOKS PUBLISHED: 07

NUMBER OF SEMINARS/CONFERENCES Conducted (in VHNSN college) : **56**

NUMBER OF SEMINARS/CONFERENCES CONDUCTED (in other colleges) : **18**

Guest lectures / Invited talks/ Resource persons (In the topic : Energy materials, Energy Environment and Economics, Nano technology and materials, Renewable energy and technology, Research projects and funding) : 520

Ph.D Completed: 07

Ph.D ongoing: 06

M.Phil Completed: 61

PAPERS PUBLISHED IN INTERNATIONAL / NATIONAL JOURNALS: 74

PAPER PRESENTED IN THE INTERNATIONAL / NATIONAL CONFERENCES: 95

Citations	293
h-index	10
i10-index	10

List Research Publications from 2019-2021

Title of the Paper	Authors	Journal
<i>Disparate structural changes in the titanium dioxide thin film coated on the p-type Si and porous silicon textures after gamma irradiation</i>	P Pandaram, KB Jashi, AV Sathish, A Saranya, S Jothi, B Lawrence, N.Jeyakumaran	Materials Science and Engineering: B 267, 115089, 2021 Impact factor : 4.706
<i>Investigation on synthesis of SnO₂ nano-particles using sol-gel process for energy storage application</i>	N Jeyakumaran, N Prithivikumaran	Australian Journal of Electrical and Electronics Engineering, 2020 - Impact factor : 0.43
<i>Experimental investigation on varying flame characteristics of benzoic resin solid fuel pellets</i>	R Sankaralingam, B Sengottuvelan, P Venkat, M Selvaraj, V Arunachalam, N.Jeyakumaran	Renewable Energy 147, 1500-1510, 2020 - Impact factor : 8.012
<i>Preparation and Studies of Thin Films of Cu-doped GdSr₂RuCu₂O₈</i>	M Subramani, TG Kumary, NR Raveendran, R Rajaraman, R Pandian,	Journal of Superconductivity and Novel Magnetism 32 (9), 2811-2817, 2019 - Impact factor : 1.506

<i>Influence of mono energetic gamma radiation on structural and electrical properties of TiO₂ thin film coated on p-type porous silicon</i>	P Pandaram, B Lawrence, N Prithivikumar, N Jeyakumar	Journal of Materials Science: Materials in Electronics 30 (7), 7135-7149, 2020 - Impact factor : 2.220
<i>Fabrication of Al-TiO₂ Thin Film Electrode by Spray Pyrolysis Technique for Urea Sensing</i>	A Mathi Vathani, S Dhanalakshmi, N Jeyakumar, N Prithivikumar	Journal of nanoscience and nanotechnology 20 (5), 2887-2892, 2020 - Impact factor : 1.354
<i>Non-linear structural and surface morphological modifications due to gamma irradiation in p-type porous silicon</i>	P Pandaram, A Saranya, S Jothi, B Lawrence, N Prithivikumar, N.Jeyakumar	Materials Science in Semiconductor Processing 104, 104678, 2019 - Impact factor : 3.927
<i>CdS microspheres as promising electrode materials for high performance supercapacitors</i>	I Rathinamala, I.M. Babu, JJ William, G Muralidharan, n. Jeyakumar, N Prithivikumar	Materials Science in Semiconductor Processing 105, 104677, 2019 - Impact factor : 3.927
<i>Fabrication, spectral characterization, XRD and SEM studies on some organic acids doped polyaniline thin films on glass substrate</i>	MR Devi, A Saranya, J Pandiarajan, J Dharmaraja, N Prithivikumar, N.Jeyakumar	Journal of King Saud University-Science 31 (4), 1290-1296, 2019 - Impact factor : 4.011
<i>Sol-gel assisted spin coated CdS/PS electrode based glucose biosensor</i>	I Rathinamala, N Jeyakumar, N Prithivikumar	Vacuum 161, 291-296 , 2019 - Impact factor : 2.906

LIST OF MEMBERSHIP IN ACADEMIC AND EDITORIAL BOARDS:

- Member of **Materials Research Society (MRS) – Singapore**
- Member of **Solar Energy Society of India (SESI), New Delhi, India**
- Member of **Photonics Society of India, CUSAT, Kochi, Kerala.**
- Member of **Editorial Board of Frontiers in Physics, Switzerland.**
- Reviewer in **Springer Nature Applied Sciences**
- Reviewer in the **Journal of Nano Dimension**
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- Reviewer in the **Elsevier Spectrochimica Acta Part A**
- Reviewer in **International Journal of Metallurgy and Metal Physics, England**
- Reviewer in the **International Journal of Nano Dimension, Iran**
- Reviewer in **International Journal of Photo energy, Hindawi Publishing Corporation, USA**

- Doctoral committee member in Anna University, Alagappa University, Gandhigram Rural University, M.S. University, Bharathiar University, Madurai Kamaraj University and Sathyabama University.