

CURRICULUM VITAE

NARESH KUMAR REDDY PEDDIREDDY

PLOT NO: 204,
S.B.H RESIDENCY,
TUMMALAGUNTLA,
OPP VINAYAKA SWAMY TEMPLE
TIRUPATHI DISTRICT,
PIN 516172 PH: +91 9701223436
Email ID:



nareshkumarreddy.p@gmail.com,

nareshkumarreddy.p@vidyanikethan.edu

Web of science ID:

<https://www.webofscience.com/wos/author/record/GPS-5448-2022>

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Google Scholar ID:

https://scholar.google.com/citations?hl=en&user=FEJTqi4AAAAJ&view_op=list_works&sortby=pubdate

I. ACADEMIC QUALIFICATIONS

Course	Institute	Board / University	Year	Division
Ph.D (Physics)	J.N.T University, Anantapur.	J.N.T University	2022	First
M.Sc (Physics)	S.V.U.P.G Centre, Kadapa.	S.V. University	2007	First
B.Ed (Maths & English)	Mother Theresa College of Education, Badvel, Kadapa.	S.V. University	2005	First
B.Sc (M.P.C)	Vaagdevi Degree College, Proddatur, Kadapa.	S.V. University	2003	First
INTERMEDIATE (M.P.C)	S.B.S.M Jr. College, Khajipet, Kadapa.	Board of Intermediate Education	2002	First
S.S.C	Z.P.H School, Nandyalampet, Kadapa.	Board of Secondary Education	2000	First

II. TEACHING EXPERIENCE: 17+ Years

1. **Associate Professor and HOD**, Département of Humanities and Sciences, **KSRM College of Engineering**, Kadapa, YSR District, Andhra Pradesh, India from **06.05.2012 to till to date**.
2. **In-Charge Principal, Sree Vidyanikethan Degree College (School of Liberal Arts, Mohan Babu University) from 26.09.2023 to 05.05.2024**.
3. **Associate Professor of Physics**, Department of Mathematical Sciences, School of Liberal Arts and Science, **Mohan Babu University (Sree Vidyanikethan Engineering College)**, A. Rangampet, Tirupathi, Chittoor District, Andhra Pradesh, India from **26.06.2023 to 05.05.2024**.
4. **Assistant Professor of Physics**, Department of Mathematical Sciences, School of Liberal Arts and Science, **Mohan Babu University (Sree Vidyanikethan Engineering College)**, A. Rangampet, Tirupathi, Chittoor District, Andhra Pradesh, India from **01.08.2022 to 25.05.2023**.
5. **Assistant Professor of Physics**, Department of BS&H, **Sree Vidyanikethan Engineering College**, A. Rangampet, Tirupathi, Chittoor District, Andhra Pradesh, India from **05.06.2013 to 30.07.2022**.
6. **Assistant Professor**, Department of Physics, **KSRM College of Engineering**, Kadapa, YSR District, Andhra Pradesh, India from **28.08.2012 to 04.06.2013**.
7. **Assistant Professor of Physics**, Department of BS & H, **Shree Rama Educational Society and Group of Institutions**, Tirupati, Chittoor District, Andhra Pradesh, India from **01.08.2011 to 26.08.2012**.
8. **Assistant Professor of Physics**, Department of BS&H, **Sree Vidyanikethan Engineering College**, A. Rangampet, Tirupathi, Chittoor District, Andhra Pradesh, India from **20.08.2009 to 30.07.2011**.
9. **Lecturer**, Department of Physics, **S.L.S Degree College**, Pullareddypeta, Duvvur, Kadapa, Andhra Pradesh, India from **26.06.2007 to 19.08.2009**.

III. RESEARCH ACTIVITIES

A. JOURNAL PUBLICATIONS

i. RESEARCH ARTICLE PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS

Summary of the publications:

- a. SCI Journal papers: **07**.
- b. Scopus/Web of Science papers: **02**.
- c. Citations: **102**.
- d. h-index: **3**.
- e. i10-index: **3**.

Details of Publications:

1. Dadamiah PMD. Shaik, Naresh Kumar Reddy Peddi Reddy, Nagamalleswari Devi Reddy, "Influence of choline chloride pH adjuster on physical and optical properties of CuInSe₂ thin films by CBD", **Hybrid Advances**, Volume 6, 2024, 100246, ISSN 2773-207X.

[SCI Journal (Elsevier)]

<https://doi.org/10.1016/j.hybadv.2024.100246>.

2. Ravi Kumar Saidala, T Archana, Alias Paul, **P. Naresh Kumar Reddy**, T Sathish, Abdullah A Al-Kehtani, Chander Prakash, Mohd Shahzad, Satbir S Sehgal, Mohammad Yusuf, "Surface properties enhancements by optimizing synthesizing parameters of AA8026+ Zr₂O₃/TiO₂ hybrid composite", **Journal of King Saud University-Science**, Volume 36, Issue 7, 2024,103266, ISSN 1018-3647.

[SCI Q1 Journal (Elsevier) (I.F:3.8)]

<https://doi.org/10.1016/j.jksus.2024.103266>.

3. T. Sathish, Indradeep Kumar, Megha Kulkarni, Ravishankar sathyamurthy, R. Sankar Ganesh, **P Naresh Kumar Reddy**, Abdullah M. Al-Enizi, Bidhan Pandit, Manish Gupta, Mohd Shahazad and Mohammad Yusuf, "Sustainable hydrogen production from waste of expired breads through supercritical water gasification", **International Journal of Hydrogen Energy**, 2024, ISSN 0360-3199.

[SCI Q1 Journal (Elsevier) (I.F:7.2)]

<https://doi.org/10.1016/j.ijhydene.2024.01.190>.

4. Dadamiah P.M.D. Shaik, P. Rosaiah, **P. Naresh Kumar Reddy**, D. Nagamalleswari, Mohamed Ouladsmene, O.M. Hussain, "Pompom 3D flower like carbon-based Mn₃O₄ thin film electrodes for high performance supercapacitors", **Journal of Alloys and Compounds**, Volume 968, 2023, 171797, ISSN 0925-8388.

[SCI Q1 Journal (Elsevier) (I.F:6.2)]

<https://doi.org/10.1016/j.jallcom.2023.171797>.

5. **P. Naresh Kumar Reddy**, Dadamiah PMD. Shaik, D. Nagamalleswari and P. Vishnu Prasanth, "The electrochemical activity of Titanium dioxide nanostructures using the Ocimum tenuiflorum Plant Leaves Extract", **Indian Journal of Science and Technology** 15(48), 2022, 2707-2715.

[WEB OF SCIENCE Q4 Journal (I.F:0.5)]

<https://doi.org/10.17485/IJST/v15i48.2092>

6. Dadamiah P.M.D. Shaik, M. V. Sasi Kumar, **P. Naresh Kumar Reddy**, O.M. Hussain, "High electrochemical performance of spinel Mn₃O₄ over Co₃O₄ nanocrystals", **Journal of Molecular Structure**, Volume 1241, 2021, 130619, ISSN 0022-2860.

[SCI Q2 Journal (Elsevier) (I.F:3.8)]

<https://doi.org/10.1016/j.molstruc.2021.130619>.

7. **P. Naresh Kumar Reddy**, Dadamiah P.M.D. Shaik, Vattikondala Ganesh, D. Nagamalleswari, K. Thyagarajan, P. Vishnu Prasanth, "High electrochemical activity of 3D flower like nanostructured TiO₂ obtained by green synthesis", **Applied Surface Science**, Volume 561, 2021, 150092, ISSN 0169-4332.

[SCI Q1 Journal (Elsevier) (I.F:6.7)]

<https://doi.org/10.1016/j.apsusc.2021.150092>.

8. **Naresh Kumar Reddy P**, Shaik DPMD, Nagamalleswari D, Thyagarajan K, Vishnu Prasanth P (2021) Electrochemical Activity of TiO₂ Nanoparticles in NaOH Electrolyte via Green Synthesis Using Calotropis gigantea Plant Leaf Extract. **Indian Journal of Science and Technology** 14(34): 2766-2772.

[WEB OF SCIENCE Q4 Journal (I.F:0.5)]

<https://doi.org/10.17485/IJST/v14i34.1424>.

9. **P. Naresh Kumar Reddy**, Dadamiah PMD. Shaik, Vattikondala Ganesh, D. Nagamalleswari, K. Thyagarajan, P. Vishnu Prasanth, "Structural, optical and electrochemical properties of TiO₂ nanoparticles synthesized using medicinal plant leaf extract", **Ceramics International**, Volume 45, Issue 13, 2019, Pages 16251-16260, ISSN 0272-8842.

[SCI Q1 Journal (Elsevier) (I.F:5.2)]

<https://doi.org/10.1016/j.ceramint.2019.05.147>.

i. RESEARCH ARTICLES ACCEPTED FOR PUBLICATION

Summary of the publications:

- a. SCI Journal papers: **01**.
- b. Scopus/Web of Science papers: **02**.

ii. JOURNAL ARTICLES UNDER THE COMMUNICATION FOR PUBLICATION

- a. SCI Journal papers: **01**.

B. CONFERENCE PUBLICATIONS

i. RESEARCH ARTICLE PUBLICATIONS IN NATIONAL/INTERNATIONAL CONFERENCES

Summary of the publications:

- a. Full-length articles published in national/international conferences: **04**.

Details of Publications:

1. R. Ganesh, B. S. Rao, S. Goriparthi, P. Udaybhai Trivedi, N. Nishant, and **P. Naresh Kumar Reddy**, "An Efficient Method for Smart Parking System Using Adaptive CNN Ensemble Approach," 2023 5th International Conference on

Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2023, pp. 398-403.

[doi: 10.1109/ICIRCA57980.2023.10220664.](https://doi.org/10.1109/ICIRCA57980.2023.10220664)

2. R. Umanesan, M. N. Rao, S. Bhavana, M. A. A. Walid, P. U. Trivedi, and **P. Naresh Kumar Reddy**, "Innovative Method for Predicting Vehicle Speed Detection using Fuzzy Local Information Means and CNN," 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS), Coimbatore, India, 2023, pp. 746-752.

[doi: 10.1109/ICSCSS57650.2023.10169523.](https://doi.org/10.1109/ICSCSS57650.2023.10169523)

3. S. Jagadeesan, S. Nayak, N. Srija, P. Chandru, **P. Naresh Kumar Reddy**, and R. Rastogi, "Intelligent Hepatocellular Carcinoma Detection using Hybrid Radial basis Function Networks," 2023 7th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2023, pp. 1169-1175,

[doi: 10.1109/ICICCS56967.2023.10142770.](https://doi.org/10.1109/ICICCS56967.2023.10142770)

4. K. Hussain, U. M. Mulani, B. S. Kumar, S. A. Parte, J. p. Patra, and **P. Naresh Kumar Reddy**, "Enhanced Artificial Algae Algorithm based Distributed Generation Placement for Voltage Profile Enhancement," 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2023, pp. 6-11.

[doi: 10.1109/ICAAIC56838.2023.10140221.](https://doi.org/10.1109/ICAAIC56838.2023.10140221)

ii. RESEARCH WORK PRESENTED IN THE CONFERENCES:

Summary of the conferences attended:

- a. National Conferences: **05**
- b. International Conference: **10**

IV. TEXTBOOKS / CHAPTERS PUBLISHED

1. Title of the book Chapter: **Nano-Composite Integration, IoT, and AI for Sustainable and Intelligent Smart Cities: Advancements (Book Chapter)**.
 - a) Publisher: **IGI Global**.
 - b) Published date: **10th April 2024**.
 - c) ISBN-13: **979-83-693170-2-0**.
 - d) DOI: [10.4018/979-8-3693-1702-0.ch015](https://doi.org/10.4018/979-8-3693-1702-0.ch015).
2. Title of the book: **Fundamentals of Nanoscience (TEXTBOOK)**.
 - e) Publisher: **RLK ENTERPRISES**.
 - f) Published date: **6th February 2023**.
 - g) ISBN-13: **978-81-961938-0-5**.

3. Title of the book: **Cogitations on Advances in Physical and Mathematical Sciences (BOOK CHAPTER).**

a) Name of the book chapter: **Electrochemical Activity of TIO_2 Nanoparticles via Green Synthesis Using Calotropis Gigantea Plant Leaves.**

b) Publisher: **SHREE VINAYAK PUBLICATION.**

c) Published date: **5th June 2022.**

d) ISBN-13: **978-93-91267-45-2.**

V. FDP/WORKSHOP/SEMINAR/WEBINAR ATTENDED

Summary:

a. FDP: **10.**

b. WORKSHOP: **05.**

c. SEMINAR/WEBINAR: **10.**

VI. AWARDS/CERTIFICATIONS/RECOGNITIONS

S. No	Name of the Certification	Agency/Professional societies /Institute /University	Date
1	Conference Session Chair	Vardhaman College of Engineering, Hyderabad	29.12.2024
2	Conference Session Chair	Lords Institute of Engineering & Technology, Hyderabad.	19.11.2022
3	Research Appreciation Award	Sree Vidyanikethan Engineering College	30.10.2021

VII. ADDITIONAL DUTIES PERFORMED

S.No	Additional Duties in the Department
1.	Student monitor for all roll numbers and sections.
2.	Class Teacher.
3.	Student Counselor.
4.	Physics Lab In-charge.
5.	Member of Discipline Committee.
6.	Member of Cultural Activities Committee.
7.	Member of NAAC and NBA file preparation committees.

VIII. REFERENCE

1. Dr. T. Nageswara Prasad

Vice-Principal, K.S.R.M College of Engineering, Kadapa-516 003
Mobile Number: 9618230773, 7337333728

2. Dr. P.V Ramama

Dean, Academics

Mohan Babu University

A. Rangampeta, Tirupathi, Andhra Pradesh, India-517 102.

Mobile Number: 9440076777

3. Dr. P. Vishnu Prasanth

Professor of Physics

Research Supervisor

Department of Mathematical Science

School of Liberal Arts and Science

Mohan Babu University

A. Rangampeta, Tirupathi, Andhra Pradesh, India-517 102.

Mobile Number: 9493816894, 8555980253

4. Dr. Dadamaiah PMD Shaik

HOD

Department of Physics

Vardhaman College of Engineering

Kacharam, Shamshabad, Hyderabad, Telangana, India-501218

Mobile Number: 9985922625

IX. EXPOSURE TO SOFTWARE/TOOLS

- a. Platforms : Microsoft Window
- b. Package : Microsoft Office
- c. Languages : C

X. PERSONAL INFORMATION

- 1. NAME : P. NARESH KUMAR REDDY
- 2. FATHER'S NAME : P. RAMAKRISHNA REDDY
- 2. DATE OF BIRTH : 01.02.1983
- 3. NATIONALITY : INDIAN
- 4. CONTACT : +91 9701223436; +91 9966735736.

5. E-MAIL : nareshkumarreddy.p@gmail.com,
nareshkumarreddy.p@vidyanikethan.edu
6. PERMANENT ADDRESS : H.No # 4-100, Upaaguntlapalli village & post,
Mydukur Mandal YSR KADAPA DISTRICT,
ANDHRA PRADESH, INDIA, PIN-516172.

The information furnished above is true as per my knowledge.

Place: Tirupathi, Andhra Pradesh, INDIA.

Date:

(P. NARESH KUMAR REDDY)