

Faculty Profile



Name : Dr. V.A. VIJAYAGEETHA
Designation : Assistant Professor
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Chikkanna Government Arts College,
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Date of Joining in Collegiate Education : 09.07.2009
Date of Joining in the Present College : 15.07.2010
Academic Profile :

Degree	Institute/College	University	Year of Passing
B.Sc. Physics	LRG Government Arts College, Tiruppur.	Bharathiar University	April 1994
M.Sc. Physics	Bharathiar University, Coimbatore	Bharathiar University	April 1997
M.Phil. Physics	PSG College of Arts and Science, Coimbatore	Bharathiar University	September 2002
Ph.D. Physics	Chikkanna Government Arts College, Tiruppur	Bharathiar University	October 2022

DEPARTMENTAL EXAMINATION –MAR 2011

The Accounts Test For Executive Officers- (Test Code No. 114) March 7,2011 Tamilnadu Public Service Commission Bulletin Extraordinary (Page 293-399).

Teaching Experience :

i) **Total** : **22 Years 4Month**
ii) **UG** : 22 Years 4Month
iii) **PG** : 18 Years 4Month

Name of the college	Position	Period
Chikkanna Government Arts College, Tiruppur	Assistant Professor	2010 to till date
Government Arts College, Udumalpet.	Assistant Professor	2009 to 2010
Info Institute of Engineering, Coimbatore	Lecturer	2007 to 2009
PSG College of Arts and Science, Coimbatore	Lecturer	2003 to 2007
LRG Government Arts College For Women, Tiruppur	Guest Lecturer	1998 to 2000

Honors and Research Awards: SALIS - Library Ambassador Award for the Year 2022

Field of Interest:

Teaching : Electronics, Digital Electronics, Quantum Mechanics, Spectroscopy, Condensed Matter Physics, Nanotechnology, Material Science.

i) **Research** : Material Science, Nanotechnology, Spectroscopy, Electronics, Condensed Matter Physics.

ii) **Proficiency in instrumentation** : UG & PG (Practical Instruments)

Research Guidance

: M.Phil.

Guidance Number

: 17487/A2/2012 30/08/2012

(If have more than one university, given them against university name)

S. No	M.Phil./Ph.D.	Name of the Student	Thesis Title	Completed/ongoing
1.	M.Phil.(PT)	M. Preetha	Synthesis and Characterization of Pure and Nickel Doped Zinc Oxide Nano Particles	Completed on Nov 2015
2.	M.Phil.(PT)	S. Valliammal	Influence of Heat Treatment on ZnO Thin Films for Solar Cell Applications	Completed on Nov 2017
3.	M.Phil.(FT)	N. Bhuvaneshwari	Comparative study of Sugarcane Industrial Effluent Before and After Nano Membrane Filtration with that of Drinking Water	Completed on Nov 2019
4.	M.Phil.(FT)	G. Mythily	Designing Novel Phase Function Filters for Manipulating Sub Wave Length Scale Magnetization Focal Structures	Completed on Mar 2022

Research Publications:

i) **Research Papers**

: attached paper list - with doi and http link of the **Paper** (Annexure – I)

National and International Conferences

: attached separate list (Annexure – II)

Participated

i) **Paper Presented**

ii) **Poster Presented**

Conference/Seminars Organized

: TNSTC Annular Solar Eclipse Training for Students and Public Viewing on 2019

Workshop attended

: attached

Resource Person/Invited Lectures

: attached

Faculty Development Programme Attended :

Course	University/Institute	Subject	Period
Orientation	Madras University	Physics	2009
Refresher	Bharathiar University	Physics	2011
Refresher	Madras University	Physics	2015
Refresher	Madras University	Physics	2017
Refresher	Madurai Kamaraj University	Physics	2020

Academic Activities :**i) Subject Handled:**

UG: Electronics, Digital Electronics and Microprocessors, Nuclear physics, allied physics I & II, Office Automation, Material Science, Heat & Thermodynamics, Applied physics, Optics, Electronic communication & Plasma physics, Properties of Matter and Sound, C and C++ Programming.

PG: Spectroscopy, Nanomaterial and nano science, Electronic Devices, Condensed Matter Physics, Quantum Mechanics, Non-conventional Energy Physics, Nuclear and Particle Physics, Optical Physics

**ii) Class Advisor : I B.Sc. Physics (2022-2023)
II B.Sc. Physics (2010 -2011,
2011-2012, 2012-2013, 2013-2014,
2014-2015, 2023-2024)**

iii) Special Coaching : Remedial Coaching, Naan Mudhalavan Trainer

iv) Student Community Beneficial Activities : i) Encouraged students to participate in paper presentation ii) Taken classes about Noble prize winners (All work starts from small workshop)

v) Co-curricular and extracurricular activities:

Co-curricular Activities; EDP (Entrepreneurship Development program), CSIR Coaching, Women Cell

Extracurricular activities:

i) Undergone foundation course in Yoga ii) NCC caretaker 5TN Girls battalion (2005-2007) iii) Fine Arts Club vice-President – Students Achievement in Sate Level (2021 to till date) iv) Tamil Valarchi Thurai Competitions (2023) – Acted as District Coordinator in Tiruppur.

Professional Activities

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i) Reviewer

ii) Board of Studies/UR

iii) Examiner/Scrutiny : External Examiner (UG&PG Practical's Bharathiar University)

iv) Senate/Syndicate National/

International Collaborators: --

ANNEXURE- I

S.No	Title	Year
1.	V.A.Vijayageetha etal Treatment Study of Dyeing Industry Effluents using Reverse Osmosis Technology,Research journal of Recent Science Vol.3(ISC-2013), 1-8 (2014),ISSN 2277-2502, http://www.isca.in/rjrs/archieve/speci...	2103
2.	K.Kousalya, V.A.Vijayageetha , M.S.Dheenadhyan, A.Pandiarajan , R. Nandhagopalakrishnan, A Study of the Quality of Ground Water from Maruthanikulam area due to Flow of Industrial Effluent and Sewage at Pilliyar Natham of Dindugal District,Journal of Environmental Nanotechnology,Volume 3,No.2 pp.168-172,doi : 10.13074/jent.2014.03.142076 http://www.nanoient.org/.upload/pdf/ENT143076.pdf	2014
3.	V.A.Vijayageetha etal ,A Study on the Nanotechnology in Water and Waste Water Treatment,IOSR Journal of Applied Physics (IOSR-JAP),e-ISSN: 2278-4861.Volume 10,Issue 4 Ver.II (Jul.-Aug. 2018), 28-31,doi: 10.9790/4861-1004022831	2018
4.	V.A.Vijayageetha etal , The study of removal of heavy metals in polluted Water using nanotechnology, EM International Volume 40, Issue 2, April - 2021; Page No.(641-645) ISSN 0257-8050.	2021
5.	V.A.Vijayageetha etal , comparision of physical and chemical parameters ofraw spent wash distillery water beforeand afternano filtration, with that of reverse osmosis human Drinking water, EM International, Volume 40, Issue 3, May 2021 Page No. (934-943) ISSN 0257-8050.	2021
6.	V. Senthil Kumar, Haresh M. Pandya ., V.A. Vijayageetha , V.N. Janakarajan and V.N. Rajaguru Observation Of Physico-Chemical Parameters Of Soil From Erode Canal In Erode District, Tamil Nadu, India, EM International, Volume 40, Issue 4, October, 2021 Page No. (1567-1573) ISSN 0257-8050.	2021
7	V. Senthilkumar, Haresh M. Pandya, V.A.Vijayageetha , a. Pandiyarajan and V.N. Janakarajan. A Study On The Continuous Usage Of Organic, Inorganic Persistent Pesticides In The Agricultural Fields In And Around Sirumalai Area With A Special Reference To The Impact On Ground Water And Soil, EM International, Volume 41, Issue 2 October, 2021 Page No. (582-585) ISSN 0257-8050.	2022

ANNEXURE –II

National and international conferences

1. Participated

Type of Conference	Title	Place	Year
National Conference	Modern Innovations and Perspectives on Emerging Interfaces in Physical Sciences and Technolohy	Chikkanna Government Arts College, Tiruppur	Mar 2020
National Conference	Emerging Sensor Devices, Materials and Technologies (NCESDMT-2017)	Chikkanna Government Arts College, Tiruppur	Jan 2017
International Conference	International Conference on Chemistry in synergy with materials and Biology	Bishop Heber College (Autonomous), Trichy	Jan 2014
International Conference	International Conference on Advanced material for energy and environmental applications	Government Arts College, Dharmapuri	Aug 2019
National Conference	Thin Films Techniques and Applications	PSG College of Arts and Science, Coimbatore	01.02.2002 to 02.02.2002
National Conference	Recent Advances in Molecular Intractions	PSG College of Arts and Science, Coimbatore	March-2004

2. Paper Presented

Type of Conference	Title	Place	Year
International Conference – International Science Congress Association	Treatment Study of Dyeing Industry Effluents using Reverse Osmosis Technology	KarunyaUniversity, Coimbatore.	08.12.2013 to 09.12.2013

3. Poster Presented

Type of Conference	Title	Place	Year
International Conference	A study of the Quality of Ground Water from Maruthanikulam Area due to Flow of Industrial Effluent at Pillaiyar Natham of Dindugal District	Jamal Mohamed College (Autonomous) Trichy, Tamilnad	Mar 2014
International Conference	Application of Nanotechnology in Water Treatment	Bishop Heber College (Autonomous) Trichy Tamilnad	Feb 2016
National Conference	Emerging Sensor Devices Materials and Technologies	Chikkanna Government Arts College , Tiruppu Tamil Nadu	Jan 19 th & 20 th 2017

4. Workshop and seminars Attended

Workshop/Seminar	Title	Place	Period
Workshop	High Impact Teaching Skills	Erode Arts and Science College, Tamil Nadu,	Mar 2016
Workshop	Advanced Engineering Materials	Coimbatore Institute of Technology, Tamil Nadu	Nov 2014
National Workshop	Advanced Material for Science and Technology	Government Arts College, Karur, Tamil Nadu	Feb 2014
workshop	The Training and Assembly of Fold scope	Vivekananda College of Arts & Science for Women, Tamil Nadu	July 2018
National Workshop	Progressive Initiatives of Autonomous Colleges towards Excellence in Global Education	PSG College of Arts and Science, Coimbatore, Tamil Nadu	18.03.2004 to 20.03.2004
Workshop	Workshop On Optics	Chikkanna Government Arts College , Tiruppur, Tamil Nadu	13.08.2014
Workshop	Why Quantum Mechanics?	Chikkanna Government Arts College , Tiruppur, Tamil Nadu	21.02.2018 To 23.02.2018
National Seminar	Research Publication and Evaluation: Writing Research Papers, Citation Analysis and Plagiarism	Chikkanna Government Arts College, Tiruppur	Oct 2016

Seminar	Effective Utilization of Learning Resources	Builders Engineering College, Kangeyam	March 2019
National Seminar	Technical Teachers Quality Improvement	Consortium of Self-Financing Professional, arts and Science Colleges in Tamilnadu.Sathyabama University, Chennai	30.05.2009 to 31.05.2009
Seminar	Technical Seminar in Physical Sciences	Pachaiyappa's College, Chennai.	08.03.2003
National seminar	Radiation Technology in Health care and its safety	Bharathiar University, Coimbatore.Tamil Nadu	16.03.2011 to 17.03.2011
Seminar	Nanotechnological Treatment of Dyeing Unit Effluents	Chikkanna Government Arts College , Tiruppur,Tamil Nadu	07.03.2013 to 08.03.2013
National Seminar	Current Innovations & Future Perspective in Nano science and Technology	Chikkanna Government Arts College , Tiruppur,Tamil Nadu	01.02.2019

5. Resource Person

S.No	Title	Place	Period
1.	Inservice Training Programme for Secondary Grade Science Teachers	Tiruppur Kumaran College for Women,Tamil Nadu	29.12.2011
2.	Training Programme on "Content Enrichment to PG Teachers in Physics" of Govt. and Aided Higher Secondary Schools in Tiruppur	Jaivabai Municipal Girls Higher Secondary School, Tiruppur.Tamil Nadu	02.09.2103 to 03.09.2013
3.	National Science Day-Innovations in Physics	Chikkanna Government Arts College , Tiruppur,Tamil Nadu	28/02/2023
4.	Awareness Programme on Chandrayaan-3.	Nanjappa Municipal Boys Higher Secondary School, Tiruppur	23/08/2024