

## CURRICULUM VITAE

### Personal Details

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Name	<b>Dr J CHARLES</b>
Designation	<b>Dean, School of Physical Sciences</b>
Mobile & Email	+91 98424 59311 &charles_ph1@mail.sjctni.edu
Address (OFF)	Associate Professor of Physics St. Joseph's College (Autonomous) Tiruchirappalli – 620 002 TamilnaduTel : +91 431 4226438
Address (Resi)	JCS Abode 102, Aruna Avenue II Cross Karumandapam, Tiruchirappalli – 620 001

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### Education

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July 2018	<b>Doctor of Philosophy (Ph.D.) in Physics</b> Bharathidasan University, Tiruchirappalli, India
May 2000	<b>Master of Philosophy (M.Phil.) in Physics</b> Bharathidasan University, Tiruchirappalli, India
May 1993	<b>Master of Science (M.Sc.) in Physics</b> St. Joseph's College, Bharathidasan University Tiruchirappalli, India
May 1990	<b>Bachelor of Science (B.Sc.) in Physics</b> St. Joseph's College, Bharathidasan University Tiruchirappalli, India
May 1991	<b>PG Diploma in Computer Science and Applications</b> St. Joseph's College, Bharathidasan University Tiruchirappalli, India
May 1994	<b>B.Ed. - Distance Education</b> Annamalai University, India
May 2011	<b>M.B.A. - Distance Education</b> Periyar University, India

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## **Experience**

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June 1994 – 2000	Assistant Professor, Physics & Electronics St. Joseph's College, Tiruchirappalli
2000- 2018	Assistant Professor of Physics St. Joseph's College, Tiruchirappalli
2018 – Present	Associate Professor of Physics St. Joseph's College, Tiruchirappalli

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## **Projects under Extramural funding (Completed)**

Preparation and characterization of semi conducting photovoltaic materials for solar cells fabrication – UGC funded Rs.90,000/-, 2010.

## **Consultancy**

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2014	Gonzaga College for Women, Krishnagiri – NAAC
2014	ROYAL COLLEGE OF EDUCATION, KRISHNAKIRI - NAAC
2014	Ananda College of Arts and Science, Devakottai - NAAC
2014	Bon Secours College for Women, Thanjavur - NAAC
2015	Ganesar College of Arts and Science - NAAC
2011	Indian Institute of Science and Technology, Trivandrum – NAAC
2010	St. Justin's College for Education, Madurai - NAAC
2009	S.R. College, Trichy – NAAC
2008	Selvamm Arts and Science College, Namakkal – NAAC
2008	Kalai Kaviri College of Fine Arts, Trichy - NAAC

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## **Resource Person**

2009	JOB SEEKERS THROUGH INTERNET, IG College, Trichy
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### **In-service Training attended (Orientation / Refreshers / Conferences)**

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2005	UGC Sponsored Orientation Programme – Bharathidasan University
2009	UGC Sponsored Refresher Course on Physics– Bharathidasan University
2002	International Conference on Lasers on their Applications – UGC/DST
2011	International Conference on Nano Technology & Ultrasound (ICNU 2011) – UGC/DST/US Agencies
2014	National Conference on Thin Film Physics and its Applications – Kongu Engineering College, Erode
2014	National Conference on Advanced Materials – St. Joseph’s College
2015	National Conference on Advanced Materials – St. Joseph’s College
2015	National Conference on Materials Science – Konzaga College, Krishnagiri
2016	National Conference on Advanced Materials – St. Joseph’s College
2017	International Conference on Advanced Materials – St. Joseph’s College
2018	International Conference on Electrical Sciences – SASTRA University
2018	UGC Sponsored Refresher Course in Physics, Madurai Kamaraj University
2019	UGC Sponsored Refresher Course on MOOC & e-Content Development Pondicherry Central University, Puducherry
2020	Organised International Workshop on Functional Materials in association with MRSI Trichy Chapter
2021	UGC sponsored Research Methodology & Data Analysis, New Delhi
2021	Webinar on Synthesis of Nanocomposite Materials and Recent Applications
2021	Three Days webinar on Implementation of National Education Policy 2020
2023	International Faculty Development Programme on Nanomaterials by St. Mary’s College (Autonomous) & Dept of Biotechnology, Ministry of Science & Technology, New Delhi
2023	Organised the ANU AWARENESS PROGRAMME 2023 on ATOMS IN THE SERVICE OF THE NATION sponsored by IGCAR
2023	International FDP on Soft Skills for Capacity Building Organised by JASS, ST JOSEPH’S COLLEGE, TIRUCHIRAPPALLI
2023	Organised the Energy Club and Its Activities For Master Trainers of TNSF
2024	AIFUCTO XXXII-STATUTORY CONFERENCE
2024	International Symposium on Emerging Trends in Energy and Sustainability (ETES 2024)
2025	International Conference on Advanced materials organised by St. Joseph’s College
2025	AIFUCTO XXXIII-Academic Conference 2025 on Access to Quality Education in India – Challenges and Opportunities (With special reference to NEP 2020).

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## Academic Member

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1994 to 2000	Board of Studies for UG & PG, Dept of Electronics, SJC
2000 to present	Board of Studies for UG & PG, Dept of Physics, SJC
2025-2028	Board of Studies (External Subject Expert) for UG & PG Board, Dept of Physics Fatima College (Autonomous), Madurai
2025-2028	Board of Studies for PG Board of Physics Bharathidasan University Affiliated College, Trichy
2023 to Present	Life Member - Tamil Nadu Science Forum
2023 to Present	Academic Council, St. Joseph's College(Automous), Trichy
2023 to Present	Governing Boady, St. Joseph's College(Automous), Trichy

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## Research – Publications (International / National / Regional)

1. Structural and Optical Properties of Nanostructured Zinc Oxide Thin Films by Spray Pyrolysis and Ethanol Sensing, J. Charles, N. Lawrence and S. Thiruvankadam, Physics Procedia 49 (2013) 92–99. Available online at [www.sciencedirect.com](http://www.sciencedirect.com)
  2. Nanostructured Nickel Oxide Thin Films by Spray Pyrolysis and Ethanol Sensing Response, J Charles and N Lawrence, IJCR, ISSN No: 2347-9213 Vol. 2, March 2015
  3. Preparation and Characterization of CuO Thin Films by Spray Pyrolysis Method for Various Applications, J. Charles and N. Lawrence, IJASRD, p-ISSN: 2395-6089 | e-ISSN: 2394-8906, Volume 02, Issue 04, Oct – Dec' 2015.
  4. Role of Dopant on the Structural, Morphological, Optical and Electrical Properties of Microwave Prepared MgO Nanoparticles, ISSN: 2394-8906, Volume 02, Issue 04, Oct – 2019
  5. Room temperature selective sensing of benzene vapor molecules using mixed oxide thin film of zinc oxide and cadmium oxide, 132(1), <https://doi.org/10.1016/j.mssp.2021.105930>
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## Book Publications:

1. Computer Hardware, Dept of Electronics, St. Joseph's College, Trichy 2003
2. Physics for Competitive Examinations, Dept of Physics, St. Joseph's College, Trichy, 2015

## Supervision:

Master of Science : 56                      Master of Philosophy : 27