

# CURRICULUM VITAE



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**Designation** : Assistant Professor  
PG & Research Department of Physics  
St. Joseph's College (Autonomous)  
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## 1. Skills

- Strength: Innovative Teaching, Creative and hard working towards Goal.
- Nature: Teaching the Subjects and Experiments, Problem solving and Mentor for the students.

## 2. Achievements / Awards / Recognition

- **Special Award:** College Management Prize of cent percent Attendance in the academic years of 2010, 2012 to 2017.
- Appointed as an external examiner for central valuation of Bharathidasan University for past three years.

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

Sl. No.	Name & Title of the Paper	Journal name, Year, Vol:, Page No & ISSN (or) ISBN
1.	Structural and optical characterization of synthesized TiO <sub>2</sub> nano powder using Sol- Gel technique <i>International Journal Of Nano Science (World Scientific Publishers)</i>	Volume No. : 15 PP. : 1650002 ISSNO. : 0219-581X : 0 Year : 2016
2.	Effect of iron doping on structural and optical properties of TiO <sub>2</sub> thin film by sol-gel routed spin coating technique <i>International Journal Of Advanced Dielectrics (World Scientific Publishers)</i>	Vol. 7, No. 4 Year: 2017 Page no: 1750024
3.	Effect of molarity on sol-gel routed nano TiO <sub>2</sub> thin films <i>International Journal Of Advanced Dielectrics (World Scientific Publishers)</i>	Vol. 7, No. 6 Year: 2017 Page no: 1750042

### 3.1. Conference Papers (National / International)

1.	Structural and Optical properties of Ni doped nano TiO <sub>2</sub> thin films by sol-gel technique, <i>TNSCST sponsored National conference on Recent Trends in Advanced Materials (RTAM-2019), PGP College of Arts and Science, Namakkal.</i>	23 <sup>rd</sup> January 2019
2.	Effect of iron doping on structural and optical properties of TiO <sub>2</sub> thin film by sol-gel routed spin coating technique, <i>International Conference on Advances in Material Science (ICAMS-2017), Holy Cross College (Autonomous), Tiruchirappalli.</i>	6 <sup>th</sup> and 7 <sup>th</sup> January 2017
3.	Effect on molarity on sol-gel routed TiO <sub>2</sub> thin films, <i>International Conference on Recent Trends in Material Science and Its Applications, (ICRM-2017), Urumu Dhanalakshmi College, Kattur, Tiruchirappalli.</i>	21 <sup>st</sup> August, 2017
4.	Influence of spin coating speed to the optical and structural properties of Nano TiO <sub>2</sub> thin films, <i>National conference on Advanced Materials-2015, St. Joseph's College (Autonomous), Tiruchirappalli.</i>	6 <sup>th</sup> February 2015
5.	Laser irradiation of Fe-Ni with Aluminium <i>National Seminar on "Lasers in Technological and Bio-medical Applications" St. Joseph's College, Trichy-2.</i>	27 <sup>th</sup> and 28 <sup>th</sup> January 2005

### 4. Education

Degree	Subject	Name of the Institution/College & University	Year	Class / Division / Grade
Ph. D.	Physics	St. Joseph's College (Autonomous), <i>Tiruchirappalli-2. Bharathidasan University, Tamil Nadu, India</i>	----	On Pursuit
B.Ed.	Physical Science	Meston College of Education (Autonomous), <i>Madras University, Chennai, Tamil Nadu, India.</i>	2007	First Class
M. Phil.	Physics	St. Joseph's College (Autonomous), <i>Bharathidasan University, Tamil Nadu, India.</i>	2005	First Class
Master Degree	Physics	St. Joseph's College (Autonomous), <i>Bharathidasan University, Tamil Nadu, India.</i>	2004	First Class
Bachelor Degree	Physics	St. Joseph's College (Autonomous), <i>Bharathidasan University, Tamil Nadu, India.</i>	2002	First Class with Distinction.

<b>5. Research Details</b>	
<b>Degree</b>	<b>Area of Specialization</b>
Ph.D.	Thin Film Physics

<b>6. In-service Training attended (Orientation / Refreshers)</b>		
<b>Course</b>	<b>Place</b>	<b>Date</b>
Science Academies' Refresher course on Quantum Mechanics	Periyar EVR college (Autonomous), Tiruchirappalli.	27 <sup>th</sup> Nov 2017 to 9 <sup>th</sup> Dec 2017
Basic Skills in Counseling	St. Joseph's College (Autonomous), Trichy-2.	Six days 2016
On Going Faculty Training Programme for Teachers	St. Joseph's College (Autonomous) and Jesuit Higher Education commission (JHEC) of Madurai Province at St. Joseph's College, Trichy.	13-05-2014 to 21-05-2014
Pursuing Socially relevant Research possibilities and concerns Research day	St. Joseph's College (Autonomous), Trichy-2.	28th Jan 2012
Orientation Programme for Staff-Fresher's	St. Joseph's College (Autonomous), Trichy-2.	11-13 June 2009

<b>7. Technical / Skill Training</b>
Computer skills: <ul style="list-style-type: none"> <li>➤ Operating systems: MS Windows 2000, MS Windows XP. &amp; MS Dos.</li> <li>➤ Programming languages: Pascal &amp; C.</li> <li>➤ Packages: MS Office, FoxPro 2.6.</li> </ul>

I hereby declare that the information stated above is true to the best of my knowledge and belief.

Yours faithfully

S. LOURDURAJ