

CURRICULUM VITAE

NAME: Mr. T. JAYAKUMAR, *M.Sc., B.Ed., M.Phil., Ph.D.,*

E-mail: jaimithra2018@gmail.com

Mobile: +91 8012488531

+91 9487329282



S

Dictum

I am looking for an appropriate opportunity and a challenging position in the academic area to serve to the young mass who frames the future of the nation with innovation. Aspiring to be a successful researcher in the field of materials science and theoretical physics will work with the best of my utmost abilities for the exponential growth of the organization, my career and for the development of science and society.

I. Educational Qualification:

Degree	Area of interest	Institution	Year of Passing	Category	Percentage
Ph.D	Physics (Magnetic materials)	Bharathidasan University Tiruchirappalli	2020	First	79
M.Phil	Physics (Crystal growth)	Bharathidasan University Tiruchirappalli	2006	First class with distinction	81%
M.Sc	Physics	Annamalai University (Chidambaram)	2004	First	64%
B.Ed	Education	Tamilnadu Educational University	2009	First	80%
B.Sc	Physics	G.A.C (Autonomous) Kumbakonam (Bharathidasan University Tiruchirappalli)	2002	First	62%

II. Working Experience:

S. No	Institution	Period	Experience
1	MASS College of Arts and Science, Kumbakonam	12/06/2007 to 30/04/2014	5 Year & 10 Months
2	Annai College of Arts and Science, Kumbakonam	12/07/2016 to 30/03/2018	1 year and 8 Months

III. Research Publications:

S. No	Journals	Date	Level	No. of Papers
1	Materials Letters	01/07/2020	International	1
2	Journal of Superconductivity and Novel Magnetism	01/08/2020	International	1
3	Journal of Materials Science: Materials in Electronics - Springer	01/10/2020	International	1
4	Journal of Superconductivity and Novel Magnetism - Springer	01/12/2020	International	1

IV. Details of Conference/Seminar/Workshop: National/International

S. No	Name/Level	Date, Month and Year	Place
1	NCAFM-2020 / National	13 th JFEBRUARY 2020	NATIONAL COLLEGE, TRICHY
2	Global initiative for academic networks	06-10, August 2018	Bharathidasan university, trichy
3	IC-RAM-2019/International	11 th & 12 th july 2019	E.R.K.Arts and Science college, dharmapuri
5	NCFAAP / International	27 th April 2018	Idhaya College for Women, Kumbakonam
6	(XXIV NSCGA-2020)	04 th & 05 th October 2019	Periyar University-Salem.
7	(ICRTAST-2020)	14 th March 2020	Bharathidasan University-Tiruchirappalli-24.

V. IT Skills:

- Basic knowledge of C, C++ programming
- Experience in operating systems (Windows and Linux)
- Experience in presentation, drawing/image editing programs (Microsoft PowerPoint, Paint & CorelDraw)

VI. Ph.D Project Title:

“SYNTHESIS, STRUCTURAL, SPECTRAL AND MAGNETIC ANALYSIS OF SOME FERRITE NANOPARTICLES”

Research Experiences: 3 Years

Area of Interest: Nanomaterials, Magnetic materials and Crystal Growth

Research Papers List:

Papers Published in International Journals

1. Analysis of structural, spectral and magnetic properties of pure and Pb-/Zr- substituted strontium Hexaferrite.
T. Jayakumar, R. Aarthi, C. Ramachandra Raja, and S. Arumugam.
 J Supercon Novel Magn. 33, 3937–3940 (2020)
 DOI: [10.1007/s10948-020-05659-z](https://doi.org/10.1007/s10948-020-05659-z)
2. Elucidation of structural, optical, and magnetic properties of Cd/Ni-doped strontium hexaferrite
T. Jayakumar, C. Ramachandra Raja and S. Arumugam.
 J Mater Sci Mater Electron. 31, 16308-16313 (2020)
 DOI: [10.1007/s10854-020-04179-9](https://doi.org/10.1007/s10854-020-04179-9)
3. Structural, Magnetic and Optical Analysis of Pb²⁺ and Ce³⁺Doped Strontium Hexaferrite.
T. Jayakumar, C. Ramachandra Raja and S. Arumugam.,
 J Supercon Novel Magn. 33, 2451–2458 (2020)
 DOI: [10.1007/s10948-020-05493-3](https://doi.org/10.1007/s10948-020-05493-3)
4. Structural confirmation and elucidation of spectral, optical and magnetic properties of cerium doped lead hexaferrite.
T. Jayakumar, C. Ramachandra Raja and S. Arumugam.
 J Mater Lett. 277:128309 (2020)
 DOI: [10.1016/j.matlet.2020.128309](https://doi.org/10.1016/j.matlet.2020.128309)

PERSONAL PROFILE

Date of birth : 16-04-1982; Age 39
Parent's name : K. THANGARAJAN-CHELLAMMAL
Sex : Male
Language : Tamil, English
Nationality : Indian
Marital status : Married
Permanent Address : T. JAYAKUMAR
370,EAST STREET, UKKARAI
THATHUVANCHERY (POST)
THIRUVIDAIMARUTHUR (T.K)
THANJAVUR (DISTRICT)
Pin code: 612 502
Tamil Nadu, India.
Reference : **Dr.C. RAMACHANDRA RAJA**, *M.Sc., M.Sc.,M. Phil,*
Ph.D.,
Associate Professor, Department of Physics,
G.A.C (AUTONOMOUS), KUMBAKONAM.
Thanjavur (District) - 612 002. Tamil Nadu, India.
Email: crrojaphy@gmail.com
Mobile: +91 9443091270

Declaration

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

Date: 18-09-2021

Yours Faithfully

Place: KUTHALAM

(Mr. T. JAYAKUMAR)