

## CURRICULUM VITAE

**B. KANICKAIRAJ Ph.D**  
Associate Professor | Coordinator Shift II  
Department of Physics  
St. Joseph's College (Autonomous)  
Trichy, Tamilnadu, India – 620002  
Email: [bmkgaa@gmail.com](mailto:bmkgaa@gmail.com)  
Cell: 91-9894890433



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### Area of Specialization:

Ultrasonic, Crystal Growth, Nano Science and Technology, Analog and Digital Electronics

### Personal:

**Name:** B. Kanickairaj  
**Date of Birth:** 12 May 1968  
**Nationality:** Indian  
**Sex:** Male  
**Marital Status:** Married

### Academic Qualification:

Exam. Passed	Board / University	Subjects	Year	Division Grade / Merit
B.Sc.	Bharathidasan University	Physics	1988	First
M.Sc.	Bharathidasan University	Physics	1990	First
M.Phil.	Bharathidasan University	Physics	1992	I with Distinction
Ph.D.	Bharathidasan University	Physics	2017	Commended

### Research Experience:

Research Experience	Title of Thesis	University where the research was carried out
M.Phil.	Microprocessor based Ultrasonic Interferometer	Bharathidasan University
Ph.D.	Synthesis and Characterization of Nano	Bharathidasan University

	Materials and Crystals using Automated Instruments	
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**Publication of Research Papers:** Papers Published: 7

**Research Guidance:**

1. Ph.D. : ----
2. M.Phil. : Physics - 35 Candidates

Contribution to educational innovation, designing of new courses, curriculum *etc.*

Specify your contribution to curriculum development relevant to respective subjects.  
 : Up gradation of recent developments in the field  
 : Member in the Board of studies.

Specify teaching methods any innovation followed by you:

- i) Chalk and talk.
- ii) Practical Exposure.
- iii) PPT using LCD.
- iv) Providing content on the Web.
- v) Teaching Memory Techniques for better Grasping.
- vi) Involvement of Soft Skill Techniques.
- vii) E- content (video) preparation for Practical and theory.

Specify laboratory experiments (Modified / new experiments adopted by you): 30

Evaluation methods adopted: i) Assignment

- ii) Seminar
- iii) Snap Test
- iv) Group Discussion, Quiz
- v) MCQ, online testing, practical

Preparation of resource material: i) Two books for Skill Based Elective including books reading  
 ii) Preparation of video content material laboratory manuals *etc.*  
 iii) Preparation of question bank

Remedial teaching methods: i) Special classes for slow learners adopted by you  
 ii) Peer group learning

Whether students counseling: Yes. For UG, PG, M.Phil. and Ph.D. students (academic) is imparted as a mentor mentoring the UG & PG classes

a. **Refresher Course / Orientation Courses attended:**

<b>Name of the Training Programme</b>	<b>Place</b>	<b>Duration Programme of Training</b>
<b>Orientation Course</b>	Academic Staff College Bharathidasan University, Tiruchirappalli	16.08.2002 to 12.09.2002
<b>Refresher Course</b>	In Physics Academic Staff College Bharathidasan University, Tiruchirappalli	18.01.2006 to 07.02.2006
<b>Refresher Course</b>	In Physics Academic Staff College Bharathidasan University, Tiruchirappalli	01.02.2014 to 21.02.2014

Member of Organizing Committee of **the International Conference on ultrasonics (ICNU - 2012)** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 10th and 11th January 2013.

Member of Organizing Committee of **the National Conference on Advanced Materials 2015** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 24th February 2015

Member of Organizing Committee of **the National Conference on Advanced Materials 2015** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 6th February 2015

Member of Organizing Committee and Resource Person of **the Workshop on Advanced Physics Experiments for College Teachers** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 18th December 2015

Member of Organizing Committee of **the National Conference on Advanced Materials 2016** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 7th October 2016

Member of Organizing Committee of **the International Conference on Advanced Materials 2017** organized by Department of Physics, St. Joseph's College, Tiruchirappalli, on 14th and 15th December 2017

**Teaching Experience:**

<b>Course Taught</b>	<b>Name of the University / College / Institution</b>	<b>Duration</b>
B.Sc. and M.Sc.	St. Joseph's College – Tiruchirappalli	1992 to 1999
B.Sc., M.Sc. and M.Phil.	St. Joseph's College – Tiruchirappalli	2000 onwards