

Name : D. DAVID JEBARAJ

Designation : Assistant Professor

Department : Physics

Date of Joining : 25/08/2006

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Education Qualification:

| Degree | Subject | College/University & Place | Year Completed |
|---------|-------------------|--|------------------------|
| B.Sc., | Physics | NMSSVN College, Madurai | 1989 |
| M.Sc., | Physics | The American College, Madurai | 1991 |
| M.Phil. | Material Sciences | MK University, Madurai | 1993 |
| Ph.D., | Physics | NMSSVN College, Madurai (MK University) | Regd. on 10.05.2011 |

Specialization in Teaching:

- (i) Mathematical Physics
- (ii) Optics (Lasers, Spectroscopy and Non Linear Optics)

Specialization in Research:

M.Phil: Crystallography
Ph.D : Spectroscopy - Electron Spin Resonance

Research Interests:

- (i) Nuclear Magnetic Resonance
- (ii) Infrared and Raman Spectroscopy

Other Work Experience:

| Designation | Institution / Company | Year – From (month/year) To (month/year) |
|-------------|-------------------------|--|
| Lecturer | NMSSVN College, Madurai | July 1993 To August 2006 |

Publications:

Books: Study material Prepared for MK University DDE M.Sc., Physics courses.

- (i) Classical and Statistical Mechanics
- (ii) Digital Electronics and Microprocessor
- (iii) Lab Physics - I

Articles Published in International Journals:

- Crystal structure of bis (L-valine nitrate), $C_5H_{12}N_2O_5$ in **Zeitschrift fur Krystallographie**, **212**, 313 – 314, 1997.
- Electron Spin Resonance Spectroscopy Studies on ^{15}N -Labeled and Their Deuterated Nitroxyl Spin Probes Used in Molecular Imaging in **American Institute of Physics Proceedings**, **1536**, 1171 – 1172, 2013.

Conference / Seminar Presentations:

- Presented a paper at international conference on Recent Trends In Therapeutic Advancement of Free Radical Science, held from 9th to 11th January 2011 at Chennai.
- Presented a paper at international conference on Emerging Trends in Free Radicals Antioxidants and Nutraceuticals on Health, Disease and Radiation Biology, held from 12th to 14th January 2012 at Kolkata
- Presented a paper at international conference on Recent Trends in Applied Physics & Material Science, held from 1st to 2nd February 2013 at Bikaner, Rajasthan.

Other activities / academic credentials:

- Attended a Workshop for Young Lecturers of Christian Colleges in India Towards Developing Foundational Leadership held at Arul Anandar College, Madurai from 1st to 2nd June 2012, organized by All India Association For Christian Higher Education, New Delhi.