

**The American College, Madurai.**

**FACULTY PROFILE  
(For IQAC)**



**Name** : **L.R.LATHA**  
**Date of Joining** : **18.06.2018**  
**Designation** : **ASSISTANT PROFESSOR**  
**Department** : **PHYSICS (S.F.)**  
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**I.**

**Education Qualification:**

| <b>Degree</b> | <b>Subject</b> | <b>College/University &amp; Place</b>                 | <b>Year Completed</b> |
|---------------|----------------|---|-----------------------|
| B.Sc.         | Physics        | M.K.University / N.M.Christian College,<br>Martandam. | 1992                  |
| M.Sc.         | Physics        | M.S.University / N.M.Christian College,<br>Martandam  | 1994                  |
| M.Phil        | Physics        | Pondicherry University, Pondicherry.                  | 1995                  |
| P.hd          | Physics        | Manonmaniam Sundaranar University,<br>Tirunelveli     | doing                 |

**Qualified State Level Eligibility Test (SET)**

**Research Interests:**

- 1. Nano Physics**
- 2. Crystal growth**

**Any Other Work Experience:**

| <b>Designation</b> | <b>Institution / Company</b>  | <b>Year – From (month/year)<br/>To (month/year)</b> |
|--------------------|---|---|
| Lecturer           | Gomathi Ambal Polytechnic, Malayadikurichi, Sankarankovil.                  | 1996-97   |
| Lecturer           | Sun Polytechic, Soorapallam, Kanyakumari District                           | 1997-99   |
| Lecturer           | Sun College of Engineering, Nagercoil.                                      | 1999-2000   |
| Lecturer           | Rose Mary College of Arts & Sciences for Women, Tirunelveli.                | 2002-03   |
| Lecturer           | Fatima College, Madurai.  | 2005-07   |
| Lecturer           | Meenakshi College, Madurai.   | 2007-08   |
| Lecturer           | Thiagarajar College, Madurai.   | 2008-09   |
| Asst. Professor    | Madurai Institute of Engineering Technology, Pottapalayam, Sivagangai Dist. | 2009-12   |
| Asst. Professor    | The American College, Madurai.  | 2018 to till date                                   |

**Membership in Professional Bodies:**

(Include Board of Studies/ journal/ article)

| <b>Positions held / currently holding in Professional Body</b>  | <b>Year – From (month/year)<br/>To (month/year)</b> |
|---|---|
| <b>INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE), NEW DELHI</b> | <b>Life Member from 2009</b>                        |

**Conference / workshop/ Seminar Participated:**

| <b>Date</b>                                   | <b>Institution</b>                                       | <b>Title of paper</b>  |
|---|--|--|
| 4 <sup>th</sup> to 10 <sup>th</sup> July 2020 | Sathyabama Institute of Science and Technology, Chennai. | Materials Technology Advancement in current scenario – MTACS2020 |
| 9 <sup>th</sup> July 2020                     | Kamaraj College, Thoothukudi.                            | Smart Materials and Applications                                 |
| 8 <sup>th</sup> July 2020                     | The American College, Madurai.                           | Spectroscopic Techniques-II                                      |
| 30 <sup>th</sup> June 2020                    | The American College, Madurai.                           | Transition to Online Teaching : Challenges and preparation       |
| 29 <sup>th</sup> June 2020                    | St. Joseph Institute of Technology                       | Materials Characterization Techniques                            |
| 26 <sup>th</sup> June 2020                    | Aditanar College of Arts and Science, Tiruchendur.       | Recent Advances in material Science and Technology               |
| 18 <sup>th</sup> June 2020                    | Kamaraj College, Thoothukudi.                            | Advances in Crystal growth and Nano materials                    |

### Research activities of the student under guideship

| <b>Title</b>   | <b>M. Phil / M.Sc/ B.Sc</b> |
|--|-----------------------------|
| <b>Characterization of Synthesized ZnO and Cu doped ZnO and its photo catalytic dye degradation activities</b>   | <b>M.Sc.</b>                |
| <b>Synthesis of ZnO nanoparticles Cu- doped ZnO nano particles from leaf extract of Pelroseliumcrispum (PARSLEY) and Ecliptaprostrata (KARISALANKANNI)</b> | <b>M.Sc.</b>                |
| <b>Synthesis and characterization of Fe<sub>2</sub>O<sub>3</sub> (Hematite) nanoparticle</b>   | <b>M.Sc.</b>                |