

## **BIO-DATA**

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|---|--|---|---|---|------------|
| 1 | <b>Name and full correspondence address</b>            | :   | <b>Dr. A. PRABAVATHI ,</b><br>Assistant Professor of Physics,<br>Sengamala Thayaar Educational Trust<br>Women's College (Autonomous),<br>Sundarakkottai, Mannargudi -614016 |  |            |
| 2 | <b>Email(s) and contact number(s)</b>                  | :   | <a href="mailto:prbasuji40@gmail.com">prbasuji40@gmail.com</a> ,<br>9788212051  |   |            |
| 3 | <b>Date of Birth</b>                                   | :   | <b>18. 04.1989</b>  |   |            |
| 4 | <b>Gender</b>  | :   | <b>Female</b>   |   |            |
| 5 | <b>Academic Qualification (Under graduate Onwards)</b> |   |   |   |            |
|   | Degree   | Year  | Subject   | University/Institution  | % of marks |
| 1 | B.Sc.,   | 2006-2009   | Physics   | Bharathidasan University, Trichirappalli  | 75         |
| 2 | M.Sc.,   | 2009-2011   | Physics   | Bharathidasan University, Trichirappalli  | 79         |
| 3 | M.Phil.,   | 2011-2013   | Physics   | Bharathidasan University, Trichirappalli  | 80         |
| 4 | Ph.D   | 2023-2024   | Physics   | Bharathidasan University, Trichirappalli  |            |
| 6 | <b>Work experience (in chronological order).</b>       |   |   |   |            |
|   | <b>Positions held</b>                                  | <b>Name of the Institute</b>  |   | <b>From</b>   | <b>To</b>  |
|   | Assistant professor, Department of Physics             | Sengamala Thayaar Educational Trust women's College, Sundarakkottai, Mannargudi |   | 1.8.2015  | Till Date  |

| 7 | <b>Publications (List of papers published in SCI Journals, in year wise descending order).-3</b>  |  |   |               |             |             |
|---|---|--|---|---------------|-------------|-------------|
|   | <b>Author(s)</b>  | <b>Title</b>   | <b>NameofJournal</b>                      | <b>Volume</b> | <b>Page</b> | <b>Year</b> |
|   | A. Prabavathi,<br>A.R. Balu,<br>V.S. Nagarethinam,<br>N. Raja,<br>M. Suganya,<br>K. Usharani,<br>S. Balamurugan,<br>M. Karthika,<br>C. Kayathiri. | Cauliflower shaped<br>CdO:Mo nanostructures<br>with enhanced<br>photocatalytic activity<br>against the degradation<br>of metanil yellow dye .                  | Nano-<br>Structures &<br>Nano-<br>Objects | 22            | 100458      | 2020        |
|   | A. Prabavathi,<br>A.R. Balu,<br>M. Karthika,<br>M. Suganya,<br>C. Kayathiri,<br>K. Usharani,<br>S. Balamurugan.                                   | Solvent volume<br>dominated improved<br>Haccke's quality factor<br>values realized for<br>CdO:Mo thin films well<br>suited for optoelectronic<br>applications. | Optical and<br>Quantum<br>Electronics     | 53            | 721         | 2021        |
|   | A. Prabavathi,<br>A.R. Balu,<br>G. Vinitha,<br>Z. Delci,<br>M. Suganya,<br>S. Balamurugan,<br>K. Usharani,<br>S. Anitha,<br>M. Karthika.          | Spray solution aging<br>dominated<br>optoelectronic,<br>electrochemical and third<br>order NLO properties of<br>CdO:Mo thin films                              | Indian Journal<br>of Physics              |               |             | 2022        |