DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
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DEPARTMENT OF PHYSICS

Faculty Name	**MADHUSUDHANA H.C**
Designation	**Assistant Professor**
Educational Qualification	**M.Sc, MPhil, B.Ed (Ph.D)**
Experience in Years	**9Yrs**
Area of Interest	• **Synthesis of metal oxide Nano materials** • **Gas sensors** • **Humidity sensor**
Email ID	**msudhana01@gmail.com**

Educational Details

- (Ph.D) – Nanomaterials, Conductivity studies, Tumkur University
- MPhil - Material Science,Vinayaka Mission University
- M.Sc - Astrophysics, Bangalore University
- B.Ed - PM method, Tumkur University

Personal Details

- Date of Birth :19-08-1984
- Habbies : Playing chess, writing poets, Internet browsing, Reading
- Languages Known :Kannada, English and Hindi.

Professional Experience

- Working as an assistant professor in the department of physics, DSATM since from 2011
- Worked as an assistant professor in the department of physics, HMSIT during 2008-11

Publications

International Journals:

- **H. C.Madhusudhana,** S. N. Shobhadevi, B. M. Nagabhushana, B. V.Chaluvaraju, M.V.Murugendrappa, R.Harikrishna, H.Nagabhushana, N.R.Radeep. Effect of fuels on conductivity, dielectric and humidity sensing properties of ZrO_2 nano crystals prepared by low temperature solution combustion method. **Journal of Asian Ceramic Society,** 4 (2016) 309-318. -**Elsevier.**

Conferences:

- Synthesis and Structural characterization of pure cubic ZrO_2 nano powder, National Conference on Atomic physics molecular physics and X-ray crystallography held at Vijaya College, Bangalore on 8^{th} -10^{th} January 2015

- Characterization and Dielectric properties of nano crystalline $ZrTiO_4$ synthesized by combustion

method, National Conference on Advanced Functional Materials held at Dayananda Sagar College of Engineering, Bangalore on 4th – 5th December 2015, ISBN:978-93-85682-04-9

- Structural Characterization and Dielectric studies of CeO_2 nano crystals synthesized by Solution Combustion method, National Conference on Recent Advances in Applied Sciences held at AMC College of Engineering, Bangalore on 25th April 2016
- Structural Characterization and Dielectric studies of Gd doped ZrO_2 nano crystals Synthesized by Solution combustion method, International conference on smart engineering materials (ICSEM-2016) held at RV College of Engineering, Bangalore on 20th to 22nd October 2016

- "Structural Characterization and Dielectric studies of Zn^{2+} doped ZrO_2 nano crystals Synthesized by Solution combustion method", National conference on convergence of science, technology and management (NCCSTM-2017) (ISBN 978-93-85682-48-3) held at DSATM on 19th may 2017.

Awards

1. **Young scientist (yuva vignani)** award for the research paper presented at the 11th Kannada Vijnana Sammelana (Karnataka Science Congress), organized by Swadeshi Vijnana Andolona,Karnataka at Raichur on 13-15th September, 2015.
2. **Best Paper presentation** at National conference on convergence of science, technology and management (NCCSTM-2017) at DSATM, on 19th may 2017 (ISBN 978-93-85682-48-3)

Contact Details

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My Vision

To be a globally renowned Physist