

CURRICULUM VITAE

Dr S BALAMURALI

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Total Experience : 14 years 6 Months

Vidwan-ID : 201402

PERSONAL DETAIL

Date of Birth : 26.05.1982
Sex : Male
Nationality : Indian
Marital status : Married

CARRIER OBJECTIVE

To emerge as an “**IDEAL PROFESSOR & RESEARCHER**” and give the best out of my skills in every endeavor of the organization that I serve and represent by constantly upgrading my skills and knowledge.

ACADRMIC RECORD

Course	Institution	Year of Completion	Percentage / CGPA*
M.Sc. (Applied Physics)	Bharathidasan University, India	2004	66.1
M.Phil. (Nuclear Physics)	University of Madras, India	2006	69.7
Ph.D (Thin Film Technology)	Manonmaniam Sundaranar university	2015	Commended

PRACTICAL KNOWLEDGE GAINED DURING MY ACADEMICS

Ph.D. : I learned analysis of the Material properties and Crystal structure software.

Research Work: My Doctoral Degree was completed on 18.8.2015. Thesis entitled "Studies grown on Mn doped Magnetic semiconducting thin films for opto electronic applications". During my work, I learned different methods of thin film preparation methods. The prepared films were analyzed by Structural, morphological, optical, magnetic and sensor applications.

PATENT PUBLISHED

Title of patent : Smart material for Smart Helmet on Road Safety Driving
Application No :202141052456
Publication Date(U/S 11A):17/12/2021

GUIDE SHIP DETAILS

I am an **Anna University research** Supervisor. The approved supervisor No is 3970019.

AWARDS

For this Academic year of 2021-2022 selected for the Best teacher award from Hindusthan College of Engineering & Technology, Coimbatore.

INTERNATIONAL PUBLICATIONS

- **"SILAR Technique-Grown Mn-doped ZnO Thin Films"** S Balamurali, S Saravanakumar, R Chandramohan, PN Magudeswaran, Brazilian Journal of Physics 51, 1501-1508
- **"Optical and magnetic properties of Mn doped ZnO thin films grown by SILAR method"** S. Balamurali, R. Chandramohan, N. Suriyamurthy, P. Parameswaran, M. Karunakaran, V. Dhanasekaran, T. Mahalingam J Mater Sci: Mater Electron **(2012) 24:1782-1787.**
- **"Morphological Variations of Mn-Doped ZnO Dilute Magnetic Semiconductors Thin Films Grown by SILAR"** S. Balamurali, R. Chandramohan, M. Karunakaran, T. Mahalingam, P. Parameswaran,

N. Suriyamurthy, A. A Sukumar, J. Microscopy Research And Technique (2013), 76:751–755.

- **“A New Route to Confirm Dopant Incorporation of Dopants in Thin Films” S. Balamurali**, R. Chandramohan, M. Karunakaran, S. Arunachalam International Journal of Chemical and Analytical Science, 2012, 3(11), 1625-1626.
- The influence of Ni doping on the photoluminescence properties of ZnO thin films grown by Silar method, M. Karunakaran, R. Chandramohan, **S. Balamurali**, and P. Perumal, International Journal of Current Research Vol. 4, Issue, 12, pp.026-028, December, 2012.
- The influence of Ni Doping on the structural, optical and Morphological properties of ZnO thin films grown by SILAR Method, M. Karunakaran, R. Chandramohan, **S. Balamurali**, V. Dhanasekaran, and T. Mahalingam, International Journal of Current Research Vol. 4, Issue, 12, pp.023-025, December, 2012.
- **MORPHOLOGY OF DOUBLE DIP GROWN ZNO THIN FILMS WITHOUT HEAT TREATMENT, S. Balamurali**, R. Chandramohan, S. Saravanakumar and P. Parameswaran, JOURNAL OF PHYSICS CHEMISTRY AND NANOTECHNOLOGY, Volume -1, Issue -1, Year -2016, Page: 29-31
- STRUCTURAL AND MAGNETIC PROPERTIES OF CO DOPED CDS THIN FILMS BY CBD METHOD, S. Saravanakumar, R. Premarani, R. Chandramohan, J. Jebaraj Devadasan and **S. Balamurali**, JOURNAL OF PHYSICS CHEMISTRY AND NANOTECHNOLOGY, Volume -1, Issue -1, Year -2016, Page: 32-36.
- Mn Doped ZnO thin films grown by Silar Method, S. Balamurali, S. Saravanakumar, and R. Chandramohan J Mater Sci: Mater Electron (Under Review Uploaded on 1 Oct 2020)

ONLINE COURSE

- Leadership and Emotional Intelligence
- AI For Everyone
- Positive Psychology
- Introduction to Molecular Spectroscopy

NATIONAL PUBLICATIONS

- Microstructural and Spectral properties of Mn doped ZnO DMS thin films grown by SILAR Method, **S. Balamurali**, M. Karunakaran, R. Chandramohan, N. Soundaram, M K.Srikanth, P. Parameswaran, P. Perumal and N. Suriyamoorthi, INT. J. NEW. INN., 2012, 1(4), 385-387.
- Microstructure and Hardness of Undoped Zinc Oxide Nano Thin Films Grown by SILAR Method, S. Ezhil Vizhian, **S. Balamurali**, M. Karunakaran, J. Thirumalai and R. Chandramohan, INT. J. NEW. INN., 2012, 1(4), 444-446.

INTERNATIONAL / NATIONAL/ CONFERENCE /PROCEEDINGS

- Morphology, Optical and Magnetic properties of Mg doped ZnO thin films Grown by SILAR Method, **S. Balamurali** , P. Parameswaran, M. Sekar, R. Kenney, N. Muthukumar , R. Jebaraj and R. Chandramohan, XXXV Optical Society of India Symposium on Contemporary Trends in Optics & OptoElectronics, Jan 17th – 19th 2011 IIST Thiruvananthapuram, India.
- Morphology, Optical and Magnetic properties of Mg doped ZnO thin films Grown by SILAR Method, R. Chandramohan, **S. Balamurali**, N. Soundaram, A. Mohamed Haroon Basha, M. RaviKumar, NSAP 2011 March 10th & 11th 2011 MANONMANIAM SUNDARANAR UNIVERSITY Tirunelveli, India.
- Photoluminescence and Raman properties of Mn doped ZnO DMS thin films grown by SILAR Method, R. Chandramohan, **S. Balamurali**, N. Suriyamoorthi, P. Parameswaran, M. Karunakaran and T. Mahalingam, NSRP – 19 Sept 27 – 29 2012 IGCAR, Kalpakkam.
- SILAR method potential in morphological tailoring R.Chandramohan, J. Thirumalai, M. Basheer Ahmed, **S. Balamurali**, M. Karunakaran, and T. Mahalingam, MAM 12, Coimbatore, November 26 & 27 2012.
- Effect of Variation of pH and number of dips on the morphology Of ZnO thin films prepared by SILAR method, **S. Balamurali**, R. Candramohan and P. Parameshwaran, WEM 11 2011, NIT, Tiruchirappalli-620001.

WORKING EXPERIENCE

- I served as **Associate Professor in Physics** From Jan 3 2019 to Till date in Hindusthan College of Engineering and Technology, Tamil Nadu, India.
- I am working as **Assistant Professor in Physics** (August 2012 – Jan 3 2019 date) Hindusthan College of Engineering and Technology, Tamil Nadu, India.
- I worked as Lecturer **in Physics** (August 2008 – July 2012)PARK College of Engineering and Technology, Tamil Nadu, India.
- I was working as **Research Scholar** (Aug 2007 – Sep 2008) under the project titled “*Preparation of CuInGaSe₂ thin film solar cell*” at PSG College of Technology, Tamil Nadu, India.
- I served as **Lecturer in Physics** for 8 Months(Dec 2006 – July 2007) in RMPT College, Udumalpet, Coimbatore (Dist), Tamil Nadu, India. I have taught Physics I, Physics II and engaged Physics lab for diploma students where I taught the lectured in Fundaments of physics.

TECHNICAL SKILLS

- *Thin Film Preparation - Sputtering (DC & RF), Thermal Method and Electron beam evaporation Technique*
- *Thin Film Preparation - Dip Technique*
- *Alloy Preparation*

PARTICIPATION IN CONFERENCES

- Attended as sponsored Lecturer by AICTE in IIT STTP- Recent trends in Atmospheric Science from 16th to 22nd Aug 2008.
- Attended as a sponsored student for a One Day Seminar Cum Workshop on OptoElectronics on 1st Feb 2002 in A.P.A College, Palani, India.
- Attended as a sponsored student in One Day Workshop in Recent Trends in Biomedical Instrumentation on 26th Feb2004 in Periyar E.V.R. College, Tiruchirappali, India.

- Attended as a sponsored Lect in National Level Workshop on Ingraining Research Attitude in Teachers on 28th Aug 2008 in PARK College of Engg & Technology, India.

PARTICIPATION IN REFRESHER COURSE

- Attended as a IIAS sponsored Refresher Course in Experimental Physics to be held in K L Universtiy, Guntur, from 14 - 29 June 2016.
- Attended as Schrodinger sponsored “Internation Hands on Training in Drug Delivery & Material Design” Programme in Department of Chemistry, Annamalai University on 18-21 June 2019.

MEMBERSHIP AND OTHER ACTIVITIES

- Life Time member of Indian Society for Technical Education (MISTE)
- TNSF Coimbatore Academic Co-Ordinator From Aug 2021-Till Now
- NSS Certified in College Level.
- Student Member of G.C.P Book Club, Tiruchirappali, India.
- Participated in Bharathiyar University Tamil Test (Second Class), India.
- I worked as Special Police Officer from 9.05.2001 to 10.05.2001, India.

STRENGTH

- Ever ready for accepting job assigned to me and complete it on time with hard work.
- Ever cheerful and strong interest in teaching as well as research.
- Innovative and inspiring lecturer.
- Continuous learner from every available source- books, articles and peoples.

REFERENCES

1. Prof Dr R Chandramohan (RESEARCH SUPERVISOR)(Rtd)
Asst. Professor
Sree savugam College
Devakottai
India
E-mail:
Ph:9894391443

2. Dr P.P. Parameswaran (Rtd)
SO/H, Head, Physical metallurgy Division,
Materials Characterisation Group,
Metallurgy & Materials Group,
IGCAR, Kalpakkam
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DECLARATION:

I hereby declare that the facts given above are true to the best of my knowledge. I assure you in case of being selected for the post applied for, I would discharge my duties to the entire satisfaction of superiors, students and societies with dedication, devotion, dutifulness.

Place: UDUMALPET

Date: **19.3.2022**

Thank you,

(S. BALAMURALI)