CURRICULUM VITAE

Name : **Dr. A. SIVASANKAR REDDY**

Designation : Assistant Professor

Address : Department of Physics

Vikrama shimapuri University College, Kavali
Kavali-524 201, Andhra Pradesh, INDIA
Email: akepati77@gmail.com
Phone: +91 8686969123

Personal details

Date of Birth : 28th May 1977

Nationality : Indian

Marital status : Married

Education qualifications

Post-doctoral fellowships:

September 2010 to March 2013
Green Home Energy Technology Center
Division of Advanced Materials Engineering
Kongju National University
Choenan City, **South Korea**

March 2010 to September 2010 (RA)
Prof. P. Sreedhara Reddy Lab
Department of Physics
Sri Venkateswara University
Tirupati, Andhara Pradesh, **India**

November 2008 to February 2010
Departamento de Engenharia Mecanica, FCTUC-
Universidade de Coimbra,
Coimbra, **Portugal**

September 2006 to September 2008
Ceramic Engineering Department
Yonsei University,
Seoul, **South Korea**

Ph.D. Physics - Thin Films (*physical investigations on dc magnetron sputtered pure and Al doped Cu_2O thin films*)Sri Venkateswara University, India (2006)

M.Sc. Physics First class with Solid State Physics and Integrated Electronic and Microprocessor as special subjects, S.V. University, India (2001)

B.Sc. Second class with Physics, Mathematics, and Chemistry as optional subjects Sri Venkateswara University, India (1997)

Professional and Teaching experience

- Brain Korea 21 (**BK21**) fellowship, Yonsei University, South Korea (2006-2008)
- Fundação para a Ciênciae a Tecnologia (**FCT**) fellowship, Coimbra University, Portugal (2008-2010)
- Research Associate, Department of Physics, S.V. University, Tirupati, INDIA (2010)
- Post-doctoral fellowship, Kongju National University, South Korea (2010-2013)
- Assistant Professor, Department of Physics, V.S. University, India, 2013 onwards

Teaching experience : 9 years in the field of Material Science and Electronics (Post-Graduation level)

Research Experience : 20 Years in the field of vacuum and thin films – (Preparation and characterization)

Research areas of Interest : Transparent Conducting Oxides
Solar Cells
IR detectors
Sensors
Low-emissivity Coatings

Experimental Skills

Expertise in deposition of various metal and semiconducting oxides/nitrides thin films by

- Sputtering (rf, dc and pulsed dc)
- Flash evaporation
- Activated reactivate evaporation
- Three source evaporation
- Electron beam evaporation
- Solution method

Research publications :96 **(60 SCI journals)**

Total Citations :181

Papers communicated/revised :02

Book Published :03

Papers presented in Symposia/

Conferences/Workshops/Seminars :120

Research projects completed :01 **(CSIR Sanction No. 03(1368)/16/EMR-II) Title "Preparation and Characterization of magnetron sputtered ultrathin Ag based films for low emissivity applications"**

Ph.D Degrees awarded :05

Name of the candidate	*Year*	*Title of the Thesis*
1. TV Prathyusha	2017	PREPARATION AND CHARACTERIZATION OF DC REACTIVE MAGNETRON SPUTTERED PURE AND AU DOPED SNO_2 THIN FILMS FOR GAS SENSOR APPLICATIONS
2. V. Sravanthi	2018	GROWTH AND CHARACTERIZATION OF PURE AND SILVER DOPED COPPER OXIDE THIN FILMS
3. B.V. Krishna Reddy	2019	PHYSICAL INVESTIGATIONS ON DC MAGNETRON SPUTTERED PURE AND NITROGEN DOPED TiO_2 THIN FILMS
4. T. Srikanth	2019	DC MAGNETRON SPUTTERED ULTRATHIN TANTALUM AND TANTALUM NITRIDE THIN FILMS FOR PROTECTIVE AND DIFFUSION BARRIER LAYER OF Ag BASED LOW EMISSIVITY COATINGS
5. G. Adilakshmi	2020	PHYSICAL INVESTIGATIONS ON NANOSTRUCTURE TUNGSTEN TRIOXIDE FOR GAS SENSOR APPLICATIONS

Ph.D Thesis submitted **:**00

Students working for Ph.D. :04

Other responsibilities

Deputy warden, VSU Hostel, Kavali, VS University college, Kavali

Head of Department, Department of Physics, VS University college, Kavali

Member, Department Research Committee

Member, Board of Studies, Department of Physics

Member, Anti Ragging Committee, VS University College, Kavali

Director, Sports and Games, VS University College, Kavali

BOOKS PUBLISHED

1. Physical Investigations on DC Magnetron Sputtered Pure and Al Doped Cu_2O Thin Films For Optoelectronic Devices
   Akepati Sivasankar Reddy, Pamanji Sreedhara Reddy, Suda Uthanna
   Lambert Academic Publishing, ISBN: 978-3-659-80101-3, (2015)

2. Studies on the growth and characterization of pure and molybdenum doped nanocrystalline zinc oxide films
   Rajam Reddy Subba Reddy, **Akepati Sivasankar Reddy**, Suda Uthanna
   Lambert Academic Publishing, ISBN: 978-3-659-81419-8, (2015)

3. Magnetron Sputtered Copper Nitride Films for Optical Storage Devices
Veknata Subba Reddy Katheraplli, **Akepati Sivasankar Reddy**, Suda Uthanna
Lambert Academic Publishing, ISBN: 978-3-659-890141-6, (2016)

PAPERS PUBLISHED IN JOURNALS

1. Influence of substrate bias voltage on the properties of magnetron sputtered Cu_2O films
A. Sivasankar Reddy, G. Venkata Rao, S. Uthanna and P. Sreedhara Reddy
Physica B, 370 (2005) 29-34; **Cited by 14; Impact Factor: 1.133**

2. Structural and optical studies on dc reactive magnetron sputtered Cu_2O films
A. Sivasankar Reddy, G. Venkata Rao, S. Uthanna and P. Sreedhara Reddy
Material Letters 60 (2006) 1617-1621; **Cited by 31; Impact Factor: 2.269**

3. Effect of substrate temperature on the physical properties of dc magnetron sputtered Cu_2O films
A. Sivasankar Reddy, P. Sreedhara Reddy, S. Uthanna, G. Venkata Rao and A.Klein
Physica Status Solidii (a) 203 (2006) 844-853; **Cited by 1; Impact Factor: 1.795**

4. Characterization of $CuAlO_2$ films prepared by dc reactive magnetron sputtering
A. Sivasankar Reddy, P. Sreedhara Reddy, S. Uthanna and G. Mohan Rao
Journal of Materials Science: Materials in Electronics, 17 (2006) 615; **Cited by 19; Impact Factor; 1.966**

5. Transparent conducting cadmium indate films formed by bias magnetron sputtering
P.Mohan Babu**, A.Sivasankar Reddy**, P.Sreedhara Reddy and S.Uthanna
Physics of Low-Dimensional Structures 1 (2006) 25; **Impact Factor; 1.011**

6. Copper nitride films deposited by dc reactive magnetron sputtering
K.V. Subba Reddy, **A. Sivasankar Reddy**, S. Uthanna and P. Sreedhara Reddy
Journal of Materials Science: Materials in Electronics 18 (2007) 1003; **Cited by 4; Impact Factor; 2.324**

7. Properties of dc magnetron sputtered Cu_2O films prepared at different sputtering pressures
A. Sivasankar Reddy, S. Uthanna and P. Sreedhara Reddy
Applied Surface Science 253 (2007) 5287; **Cited by 33; Impact Factor: 4.439**

8. Physical properties of flash evaporated In_2O_3 films prepared at different substrate temperatures
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna and P. Sreedhara Reddy
Materials Letters 61 (2007) 4309; **Cited by 9; Impact Factor: 2.687**

9. Structural and Electrical Properties of $La_{0.7}Sr_{0.3}MnO_3$ Film on SiO_2/Si Substrate by RF Magnetron Sputtering at Low temperature
S.G. Choi, **A. Sivasankar Reddy**, T.J. Ha, B.G. Yu, and H.H. Park
Journal of the Korean Ceramic Society 44 (2007) 645-649; **Impact Factor: 0.226**

10. Electromagnetic shielder compatible ZnO transparent conducting oxides hybridized with various sizes of Ag metal nanoparticles
J.Y. Kim, H.-Ho Park, **A. Sivasankar Reddy**, H.J. Chang , H.Jeon, Y. Chang and Hyung-Ho Park
Ceramics International 34 (2008)1055; **Cited by 2; Impact Factor: 3.07**

11. $La_{0.7}Sr_{0.3}MnO_3$ CMR thin film resistor deposited on SiO2/Si and Si substrates by rf magnetron sputtering for infrared sensor
S.G. Choi, **A. Sivasankar Reddy**, B.G. Yu, H. Ryu and H.H. Park
Journal of the Korean Vacuum Society 17 (2008) 130-137; **Impact Factor: 0.328**

12. Effect of sputtering power on the physical properties of dc magnetron sputtered copper oxide thin films
A. Sivasankar Reddy, Hyung-Ho Park, V.S. Reddy, N.S. Sarma, K.V.S. Reddy, S. Kaleemulla, S. Uthanna and P. Sreedhara Reddy
Material Chemistry and Physics 110 (2008) 397; **Cited by 14; Impact Factor: 2.427**

13. Optical and electrical properties of In_2O_3: Mo films prepared by activated reactive evaporation technique
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna and P. Sreedhara Reddy
AIP Conf. Proc. 1004 (2008) 316**; ISSN: 0094-243X**

14. Introduction of metal dopants and/or Ag nanoparticles into direct-patternable ZnO thin films formed by photochemical solution deposition
Hyuncheol Kim, H.H. Park, **A. Sivasankar Reddy,** Hyung-Ho Park, and S.Y. Choi
phys. stat. sol. (a) 205 (2008) 2392– 2395; **Impact Factor: 1.795**

15. Physical properties of pure In_2O_3 thin films
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna, P. Sreedhara Reddy
Optoelectronics and Advanced Materials- Rapid Communications 2 (2008) 782;
Impact Factor: 0.449

16. Effect of substrate temperature on the physical properties of dc magnetron sputtered $CuAlO_2$ films
A. Sivasankar Reddy, H.H. Park, G.M. Rao, S. Uthanna and P. Sreedhara Reddy
Journal of Alloys and Compounds 474 (2009) 401; **Cited by 13;**
Impact Factor: 4.175

17. Effect of the substrate temperature on the physical properties of In2O3:Mo films: prepared by an activated reactive evaporation
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna, P. Sreedhara Reddy
Vacuum 83 (2009) 970; **Cited by 6; Impact Factors: 1.426**

18. Physical properties of In_2O_3 thin films prepared at various oxygen partial pressures
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna, P. Sreedhara Reddy
Journal of Alloys and Compounds 479 (2009) 589; **Cited by 16;**
Impact Factor: 4.175

19. Low temperature grown polycrystalline $La_{0.7}Sr_{0.3}MnO_3$ thin films on amorphous SiO_2 substrates by RF magnetron sputtering
Sun Gyu Choi, **A. Sivasankar Reddy**, Hyung-Ho Park, Woo Seok Yang, Hojun Ryu, and Byoung-Gon Yu.
J. Vac. Sci. Technol. A 27 (2009) 595; **Cited by 1; Impact Factor: 2.14**

20. Size effect of substitutional alkaline-earth elements on the electrical and structural properties of LaMnO3 films
Sun Gyu Choi, **A. Sivasankar Reddy**, Seok-Joo Wang, MunPyo Hong, Kwang-Ho Kwon, Hyung-Ho Park; **Cited by 1**
Journal of the Ceramic Society of Japan, 117(11) (2009) 1249-1253; **Impact Factor: 0.846**

21. Room temperature photoluminescence property of Mo-doped In_2O_3 thin films
S. Kaleemulla, **A. Sivasankar Reddy**, S. Uthanna and P. Sreedhara Reddy
Current applied physics 10 (2010) 386; **Cited by 1; Impact Factors: 2.026**

22. Effect of high temperature post-annealing of $La_{0.7}Sr_{0.3}MnO_3$ films deposited by radio frequency magnetron sputtering on SiO_2/Si substrates heated at low temperature
Sun Gyu Choi, **A. Sivasankar Reddy**, Byoung-Gon Yu, Woo Seok Yang, Sang Hoon Cheon, Hyung-Ho Park
Thin Solid Films 518 (2010) 4432–4436; **Cited by 1; Impact Factor: 2.038**

23. Electrical and optical properties of In_2O_3:Mo thin films prepared at various Mo-doping levels
S. Kaleemulla, N.M. Rao, M.G. Joshi, **A. Sivasankar Reddy**, S. Uthanna and P. Sreedhara Reddy
Journal of Alloys and Compounds 504 (2010) 351; **Cited by 3; Impact Factor: 4.175**

24. Effect of substrate bias voltage on the properties of dc reactive magnetron sputtered NiO thin films
A. Mallikarjuna Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Materials Chemistry and Physics 125 (2011) 434; **Cited by 1; Impact Factor: 2.427**

25. Growth and characterization of NiO thin films prepared by dc reactive magnetron sputtering
A. Mallikarjuna Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Solid State Sciences 13 (2011) 314; **Cited by 1; Impact Factor: 1.883**

26. Thickness dependent properties of nickel oxide thin films deposited by dc reactive magnetron sputtering
A. Mallikarjuna Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Vacuum 85 (2011) 949-954; **Cited by 4; Impact Factors: 1.426**

27. Influence of oxygen partial pressure on the properties of dc reactive magnetron sputtered NiO thin films
A. Mallikarjuna Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Ceramics International 37 (2011) 2837–2843; **Impact Factors: 2.986**

28. Influence of thermal annealing on structural and electrical properties of nickel oxide thin films
A. Mallikarjuna Reddy, Ch. S. Reddy **A. Sivasankar Reddy**, P. Sreedhara Reddy
J. Nano- Electron. Phys. ***3*** *(2011) 225-231;* **Impact Factors: 0.256**

29. Low emissivity Ag/Si/glass thin films deposited by sputtering
Sun Ho Park, Kee Sun Lee, **A. Sivasankar Reddy**
Solid State Sciences 13 (2011) 1984-1988; **Cited by 2; Impact Factor: 1.883**

30. Low Emissivity Ag/Ta/glass Multilayer Thin Films Deposited by Sputtering
Sun Ho Park, Kee Sun Lee, **A. Sivasankar Reddy**
Journal of Applied Physics 110 (2011) 063508; **Impact Factor: 2.185**

31. Structural, morphological and optical properties of sputtered nickel oxide thin films
A. Mallikarjuna Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
AIP Conf. Proc. 1391 (2011) 80-82; **ISSN: 0094-243X**

32. Nanocrystalline SnO_2 and Au:SnO_2 thin films prepared by d.c. magnetron reactive sputtering
A. Sivasankar Reddy, N.M. Figueiredo, A. Cavaleiro
Vacuum 86 (2012) *1323-1327*; **Cited by 1, Impact Factors: 2.067**

33. Effect of annealing temperature on the properties of pulsed magnetron sputtered nanocrystalline Ag:SnO2 films
A. Sivasankar Reddy, N.M. Figueiredo, H.C. Cho, K.S. Lee, A. Cavaleiro
Materials Chemistry and Physics 133 (2012) 1024-1028; **Impact Factor: 2.427**

34. Structural, morphological and optical properties of nanocrystalline ZnO films deposited by RF sputtering at different bias voltages
R. Subba Reddy, **A. Sivasankar Reddy**, S. Uthanna
J. Optoelectronics and Advanced Materials, Vol. 14 (2012) 287-292; **Cited by 1; Impact factor. 0.56**

35. Effect of film thickness on the structural morphological and optical properties of nanocrystalline ZnO fimls formed by RF magnetron sputtering
R. Subba Reddy, A. Sreedhar, **A. Sivasankar Reddy**, S. Uthanna
Adv. Mat. Lett. 2012, 3(3), 239-245; **Impact Factor: 1.93**

36. Structural and morphological properties of sputterd NiO thin films at various sputtering pressures
A. Mallikarjuna Reddy, Y.A.K. Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
AIP Conf. Proc. 1447 (2012) 619; **ISSN: 0094-243X**

37. Pulsed d.c. magnetron sputtered transparent conducting nanocrystalline tin oxide films
A. Sivasankar Reddy, N.M. Figueiredo, A. Cavaleiro
Applied Surface Sciences 258 (2012) 8902; **Impact Factor: 1.525**

38. Sputter power and sputter pressure influenced structural and optical behaviour of RF sputtered nanocrystalline ZnO films
R. Subba Reddy, **A. Sivasankar Reddy**, B. Radhakrishna, and S. Uthanna
Cryst. Res. Technol., 47 (2012) 1095-1104; **Impact Factor : 1.164**

39. Influence of substrate bias voltage on the properties of sputtered nickel oxide thin Films
A.M. Reddy, Ch. S. Reddy, Y.A.K. Reddy, R. Lydia, **A. Sivasankar Reddy,** P.S. Reddy
AIP Conf. Proc. 1451 (2012) 174; **ISSN: 0094-243X**

40. Target to Substrate Distance Dependent Optical and Electrical Properties of Sputtered NiO Films
A. Mallikarjuna Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Advanced Materials Research 584 (2012) 33-36; **ISSN: 1662-8985**

41. Structural, Morphological and Composition Analysis of Nanocrystalline $La_{0.67}Ba_{0.33}MnO_3$ powder
Ch. Seshendra Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Advanced Materials Research 584 (2012) 239-242; **ISSN: 1662-8985**

42. Influence of sputtering pressure on the properties of NiO films prepared by dc reactive magnetron sputtering
A. Mallikarjuna Reddy, S.K. Joo, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Journal of Optoelectronics and Advanced Materials, Vol. 14 (2012) 763-768; **Impact Factor: 0.56 ISSN: 14544164**

43. Preparation and Characterization of NiO Thin films by dc Reactive Magnetron Sputtering
Y.A. Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Journal of Nano- and Electronic Physics 4 (2012) 04002; **ISSN: 20776772 Impact Factor: 0.513**

44. Influence of target to substrate distance on the properties of nickel oxide films grown by dc sputtering
A. Mallikarjuna Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Optoelectronics and Advanced Materials-R 6 (2012) 1041-1045; **Impact Factor: 0.563**

45. Sputtered nickel oxide films for NO_2 gas sensors
A. Mallikarjuna Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Advanced Materials Research 678 (2013) pp 361-364; **ISSN: 1662-8985**

46. Analysis of the effect of temperature on the resistivity of nanocrystalline $La_{0.7}Ba_{0.3}MnO_3$ powders
Ch. Seshendra Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Advanced Materials Research 678 (2013) 154-158; **ISSN: 1662-8985**

47. Growth of Ultrathin Ag Films on TaN_x Layer and Their Optical Properties
A. Sivasankar Reddy, Hyunchul Cho, Kee Sun Lee
Electronic Materials Letters, 9 (2013) 231-235; **Impact Factor:3.977**

48. Influence of oxygen partial pressure on the structural, optical and electrical properties of Cu doped NiO thin films
Y.A.K. Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Physica Scripta, 87 (2013) 015801; **Impact Factors: 1.296**

49. Effect of TaN_x on electrical and optical properties of annealed TaN_x/Ag/TaN_x films
Sivasankar Reddy Akepati, Ho Tak Yu, Chadrasekhar Loka and Kee-Sun Lee
Surf. Interface Anal. 2013, 45, 1419–1423; **Impact Factor: 1.393**

50. Nanocrystalline Au:Ag:SnO_2 films prepared by pulsed magnetron sputtered
A. Sivasankar Reddy, N.M. Figueiredo, A. Cavaleiro
Journal of Physics and Chemistry of solids 74 (2013) 825–829; **Impact Factor: 1.635, Cited by 1**

51. Structural and Electrical Properties of Pure and Cu Doped NiO Films Deposited at Various Oxygen Partial Pressures
Y.A.K. Reddy, A.M. Reddy, **A. Sivasankar Reedy** and P. Sreedhara Reddy
AIP Conf. Proc. 1512, 640 (2013)*;* **ISSN: 0094-243X**

52. Influence of oxygen partial pressure on the physical properties of Ag doped NiO thin films
Y. Ashok Kumar Reddy, **A. Sivasankar Reedy** and P. Sreedhara Reddy
AIP Conf. Proc. 1536, 475 (2013)*;* **ISSN: 0094-243X**

53. Analysis of the effect of temparature on the resistivity of nanocrystalline La0.7Ba0.3MnO3 powders
Ch. Seshendra Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Advanced Materials Research Vol. 678 (2013) 154-158; **ISSN: 1662-8985**

54. Substrate Temperature Dependent Properties of Cu Doped NiO Films Deposited by DC Reactive Magnetron Sputtering
Y. Ashok Kumar Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
J. Mater. Sci. Technol., 2013, 29(7), 647-651; **Cited by 2; Impact Factor: 1.420**

55. Oxygen partial pressure dependent properties of nanaocrystalline nickel oxide thin films
A.M. Reddy, Y.A.K. Reddy, Ch.S. Reddy, **A. Sivasankar Reddy,** P. Sreedhara Reddy
Adv. Nanomater. Nanotech. Springer Proceedings in Physics 143 (2013)165-168;
ISSN: 0930-8989

56. Effect of Cu doping on the gas sensing properties of nanocrystalline NiO thin films
Y. Ashok Kumar Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Journal of Surfaces and Interfaces of Materials 1 (2013) 143-147; **ISSN: 2164-7542**

57. Effect of oxygen partial pressure on the properties of NiO–Ag composite films grown by DC reactive magnetron sputtering
Y. Ashok Kumar Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
Journal of Alloys and Compounds 583 (2014) 396–403 ; **Cited by 5;**
Impact Factor: 4.175

58. Enhancement of NH3 Gas Sensing Properties of NiO-Based Thin Films Deposited by DC Reactive Magnetron Sputtering
Y. Ashok Kumar Reddy **A. Sivasankar Reddy** and P. Sreedhara Reddy
Science of Advanced Materials 6 (2014) 1–11; **Impact Factor:2.91; ISSN: 1947-2935**

59. Optical Properties and Thermal Stability of Ultrathin TaN_x-Ag-Si Films for Low Emissivity Applications
Sivasankar Reddy Akepati, Ho Tak Yu, Chadrasekhar Loka and Kee-Sun Lee
Current Nanoscience, 10 (2014) 159-163; **Impact Factors: 1.422**

60. Influence of substrate temperature on the electrical, morphological and structural properties of electron beam evaporated LBMO thin films
Ch. Seshendra Reddy , **A. Sivasankar Reddy** and P. Sreedhara Reddy
Electronic Materials Letters 10 (2014) 159-163; **Impact Factor: 3.977**

61. Thickness Dependent Study of Electron Beam Evaporated LBMO Manganite Thin Films for bolometer Applications
Ch. Seshendra Reddy, **A. Sivasankar Reddy** and P. Sreedhara Reddy
Journal of Electronic Materials, 43 (2014) 1436-1442; **Impact Factor; 1.675**

62. Preparation and Characterization of Nickel Oxide Thin Films by Direct Current Reactive Magnetron Sputtering at Different Substrate Temperatures
A.M. Reddy, C.W. Byun, S.K. Joo, **A. Sivasankar Reddy**, and P. Sreedhara Reddy
Electron. Mater. Lett., 10(2014) 887-892; **Impact Factor: 3.977**

63. Effect of sputtering power on the properties of dc magnetron sputtered Au-SnO2 films
T. Prathyusha, Ch. Seshendra Reddy, P. Sreedhara Reddy, and **A. Sivasankar Reddy**
International Journal of Chem Tech Research 6 (2014) 3349-3352; **ISSN: 09744290**

64. Effect of Fe doping concentration on Structural and Micro structural properties of diluted magnetic semiconducting CdS nanocrystalline thin films
Ch. Ashoka Reddy, Ch. Seshendra Reddy, P.S. Reddy, and **A. Sivasankar Reddy**
Inter. Jou. of Adv. Che. Sci. and Appl. (IJACSA) 2 (2014)16-19 **ISSN: 2347-7601**

65. Structural, Electrical and Optical Properties of Molybdenum Doped Zinc Oxide Films formed by Magnetron Sputtering
R. Subba Reddy, K. Radhamma, **A. Sivasankar Reddy** and S. Uthanna
Advanced Materials Letters 2015, **6**(9), 834-839 **Impact Factor: 1.93**

66. Influence of oxygen partial pressure on the properties of nanocrystalline magnetron sputtered SnO2 thin films
T. Prathyusha, V. Sravanthi, Ch. Seshendra Reddy, P.S. Reddy, and **A. Sivasankar Reddy**
Invertis Journal of Science and Technology, 9 (2016) 1-3 **Impact Factor: 1.04**

67. Influence of Fe-Doping Concentration On Micro Structural And Magnetic Properties of Fe Doped Cds Thin Films
Ch. Ashoka Reddy, P. Sreehith, Ch.S. Reddy, P.S. Reddy, and **A. Sivasankar Reddy**
Chalcogenide Letters, 13 (2016) 41 – 45 **Impact Factor: 0.93**

68. Investigations of LBMO thin films deposited on different substrates by electron beam evaporation
Ch. Seshendra Reddy, Ch. Ashoka Reddy, **A. Sivasankar Reddy**, P.Sreedhara Reddy,
Applied Nanoscience 6 (2016) 461–466 **Impact Factor: 3.325**

69. Sputtering power dependence physical properties of nanocrystalline dc magnetron sputtered sno2 thin films
T. Prathyusha, T. Srikanth, **A. Sivasankar Reddy**, K. Kartheek, P. Sreedhara Reddy, Ch.Seshendra Reddy, R. Subba Reddy
International Research Journal of Natural and Applied Sciences, 3 (2016) 115-123, **ISSN: (2349-4077)**

70. Oxygen partial pressure dependence physical properties of nanocrystalline dc magnetron sputtered tin oxide thin films
T. Prathyusha, T. Srikanth, **A. Sivasankar Reddy**, K. Kartheek, P. Sreedhara Reddy, Ch.Seshendra Reddy,
International Journal of Current Research, 8 (2016) 33253-33256, **ISSN:0975-833X**

71. Effect of substrate bias voltage and substrate temperature on the physical properties of dc magnetron sputtered SnO_2 thin films
T. Prathyusha, T. Srikanth, Ch.S. Reddy, P.S. Reddy, and **A. Sivasankar Reddy**
Optik 127 (2016) 9457–9463 **Impact Factor: 0.742**

72. Influence Of Fe Doping Concentration On Structural Properties Of CdS Based Thin Films Prepared On Silicon Substrates By Electron Beam Evaporation
Ch. Ashoka Reddy, P. Sreehith, Ch.S. Reddy, P. S. Reddy, **A. Sivasankar Reddy**
Chalcogenide Letters, 13 (2016) 477 – 481 **Impact Factor: 0.93**

73. Nanocrystalline Au: SnO_2 Thin Films Grown by DC Reactive Magnetron Sputtering
T.V.N. Prathyusha, T. Srikanth, R. Subba Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy, B. Radha Krishna
International Journal of Engineering Research and Application 7 (2017) 25-29 **Impact Factor: 5.179**

74. Sputtering Power Dependent Physical Properties of Nanocrystalline Au: SnO_2 Thin Films
T.V.N. Prathyusha, T. Srikanth, R. Subba Reddy, **A. Sivasankar Reddy**, B. Radha Krishna, P. Sreedhara Reddy,
International Journal of Computational Engineering Research (IJCER) 7 (2017) 36-41.
Impact Factor: 6.41

75. Annealing effect on the structural and electrical properties of LBMO thin films for uncooled bolometer applications
Ch. Seshendra Reddy, **A. Sivasankar Reddy**, P. Sreedhara Reddy
International Journal of Scientific & Engineering Research 8 (2017)1081-92.
Impact Factor: 0.28

76. Annealing impact on the structural and optical properties of electrospun SnO_2 nanofibers for TCOs
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117. Webinar on "Driving Innovation in Advanced Materials with Modeling and Simulations", jointly organized by Centre for Nanoscience and Nanotechnology, SATHYABAMA Institute of Science and Technology, Chennai, and DASSAULT SYSTEMS, BIOVIA, India on 21 July, 2020. (Certificate of Participation)

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