




JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

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Name of the Department: Engineering Physics

Name of the Teaching Staff	Dr. R.SHASHIDHAR		
Designation	ASSOCIATE PROFESSOR & HEAD		
Department	PHYSICS		
Date of Joining the Institution	26-11-1997		
Qualification with Class / Grade	M.Sc., Ph.D.	PG: M.Sc., Electronics	Ph. D. Condensed Matter Physics
Total Experience in Years	Teaching : 20 Years	Industry - Nil	Research : 5 Years
Papers Published in Journals	International: 12	National: 01	
Papers Presented in Conferences / Symposium	International: 09	National: 01	
PhD Guide? Give field & University	Condensed Matter Physics	University: Visveswaraya Technological University, Belgaum.	
PhDs / Projects Guided	No. of Ph.D's Awarded: Nil No. Ph.D's Guiding : 02	Projects at Masters Level: Nil	
Books Published / IPRs/ Patents	Nil		
Professional Memberships	Life member (LM 41963) of the Indian Society for Technical Education (ISTE) Life member (LM 232) of the Electrochemical Society of India, Indian Institute of Science, Bangalore-560012		
Consultancy Activities	--		
Awards	Received best award for the paper entitled “ Influence of various alcoholic solvents on structural, morphological and compositional properties of sprayed TiO ₂ films” in International Journal of Physics and Research (IJPR) Transstellar Journal Publications Research Consultancy (TJPRC) Pvt. Ltd. on June 2013		
Grants fetched			
Interaction with			

Professional Institutions	
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1. Details of Publications:

Google scholar link: https://scholar.google.co.in/citations?hl=en&user=ou_snfMAAAAJ

Year: 01-01-2016 to 31-12-2016

i. Journals: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	<u>Angadi,B.</u> <u>Chandrashekar,H.D.</u> <u>Murthy, L.C.S.</u>	Raman spectral studies of spray deposited CuO thin films	Advanced Science Letters	Advanced Scientific Publishers	ISSN : 1936-6612 Volume No. : 22 Issue : 4 Month & Year : April 2016 Page Nos. : 971-975 (5)
2	<u>Angadi,B.</u> <u>Chandrashekar,H.D.</u> <u>Murthy, L.C.S.</u> Poornima. P	Isochronal effect of Optical studies of TiO ₂ thin films deposited by Spray pyrolysis technique	Advanced Science Letters	Advanced Scientific Publishers	ISSN : 1936-6612 Volume No. : 22 Issue : 4 Month & Year : April 2016 Page Nos. : 739-744 (6)
3	H D Chandrashekar, Basavaraj Angadi, LCS Murthy, Poornima.P, Y.T.Ravikiran	Nano porous Al ₂ O ₃ -TiO ₂ thin film based humidity sensor prepared by spray pyrolysis technique	AIP conference Proceedings	American Institute of Physics (AIP)	ISBN :978-0-7354-1375-7 Volume No. :1728 Issue : Month & Year : May 2016 Page Nos. : 020615
4	H D Chandrashekar, Basavaraj Angadi, LCS Murthy, Poornima.P	Optical Properties of (TiO ₂) _{1-x} (Al ₂ O ₃) _x Pseudo Binary Oxides Thin Films Prepared By Spray Pyrolysis Technique	Materials Today: Proceedings	ELSEVIER	ISSN :2214-7853 Volume No. :3 Issue :6 Month & Year :June 2016 Page Nos. :2027-2034 :

5	H D Chandrashekar, Basavaraj Angadi, LCS Murthy, Poornima.P	Preparation of characterization of spray deposited CdTe thin films towards fabrication of low cost hetero-junction solar cells	Journal of Electrochemical Society of India	Indian Institute of Science, Bangalore-560012, India.	ISSN :0013-466X Volume No. :65 Issue :3-4 Month & Year July-October 2016 Page Nos. :230-240
6	H D Chandrashekar, Basavaraj Angadi, LCS Murthy, Poornima.P	Effect of thickness on Electrical properties of anatase TiO ₂ thin films by Spray Pyrolysis technique	Journal of Electrochemical Society of India	Indian Institute of Science, Bangalore-560012, India.	ISSN :0013-466X Volume No. :65 Issue :3-4 Month & Year July-October 2016 Page Nos. :223-229

Year: 01-01-2016 to 31-12-2016

i. Conference: National

Sl. No	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Angadi,B. Chandrashekar,H.D. Murthy, L.C.S. Poornima.P	Effect of temperature on electrical studies of MOS (Al/Al ₂ O ₃ /Si) device	Recent advances in Nano science and Nano technology First Edition-2016	Proceedings of UGC sponsored National Seminar held on 26 th February 2016 organized by Department of Physics, Government Science College, Hassan- 573201, Karnataka, India	ISBN : 978-1539580201 Volume No. : Issue : Month & Year : October 2016 Page Nos. : 1-3

Year: 01-01-2015 to 31-12-2015

i. Journals: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	BasavarajAngadi, H. D. Chandra Shekar, L. C. S. Murthy	Influence of Spray Deposited TiO ₂ Film Thickness on the Performance of n-TiO ₂ /p-Si Low Cost Hetero-junction Solar Cell and its Utility as a Carrier Blocking Layer	Solid State Physics AIP Conf. Proc. 1665, 120012-1–120012-3; doi:10.1063/1.491811 9 © 2015 AIP Publishing LLC 978- 0-7354-1310 8/\$30.00	AIP Publishing	ISBN : 978-0-7354-1310-8 Volume No. : 1665 Issue : Month & Year : June 2015 Page Nos. : 1-3
2	<u>Angadi,B.</u> <u>Chandrashekar,H.D.</u> <u>Murthy, L.C.S.</u>	Effect of ethanol concentration on the porosity of TiO ₂ films prepared by spray pyrolysis and their utility as humidity sensor	IEEE XPLORE 978-1-4673-8018- 8/15	IEEE	ISSN : 0975-5462 Volume No. : 978-1-4673-8018- 8/15 Issue : Month & Year : August 2015 Page Nos. : 52 – 58

ii. Conferences: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	H D Chandrashekar, Basavaraj Angadi, R Shashidhar, Poornima.P, LCS Murthy.	Nano Porous Al ₂ O ₃ - TiO ₂ Thin Film Based Humidity Sensor Prepared By Spray Pyrolysis Technique	ICC-2015 Govt. Engineering College Bikaner, Karni Industrial Area, Pugal Road, Bikaner-334004, (Rajasthan) INDIA	(Accepted for: AIP Proceedings)	ISSN : ISBN : Volume No. : Issue : Month & Year : 30-31 Oct 2015 Page Nos. :
2	H D Chandrashekar, Basavaraj	Optical Properties of (TiO ₂) _{1-x} (Al ₂ O ₃) _x Pseudo Binary Oxides Thin	RAINSAT-2015 Sathyabama University, Chennai	(Accepted for: Materials today Proceedings)	ISSN : ISBN : Volume No. :

	Angadi, R Shashidhar, LCS Murthy, Poornima.P,	Films Prepared By Spray Pyrolysis Technique			Issue : Month & Year : 8-10 July 2015 Page Nos. :
3	H D Chandrashekar, Basavaraj Angadi, LCS Murthy	Effect of ethanol concentration on the porosity of spray pyrolyzed TiO ₂ films and their utility as humidity sensor”	ISPTS-2 , 2 nd international symposium on physics and technology of sensors, YASHADA Auditorium, Raj bhavan complex, Baner road near Savitribai Phule Pune University, Sakal Nagar, Aundh, Pune- 411007,India.		ISSN : ISBN : Volume No. : Issue : Month & Year : 8 to 10 Mar 2015 Page Nos. :

Year 01-01-2014 to 31-12-2014

i. Journals: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	<u>Angadi,B.</u> <u>Chandrashekar,H.D.</u> <u>Murthy, L.C.S.</u>	Effect of Film thickness on the structural and Optical properties of TiO ₂ thin films deposited by Spray Pyrolysis Technique	<i>ACTA PHYSICA POLONICA A</i>	print source files completed with DOI is sent for printing of paper in <i>ACTA PHYSICA POLONICA A</i> journal on November 14 2014	ISSN : Volume No. : Issue : Month & Year : Page Nos. :
2	H D Chandrashekar, Basavaraj Angadi Dinesh Kumar, LCS Murthy, Poornima.P	Effect of Isothermal annealing on properties of TiO ₂ thin films towards MOS capacitor applications	International Journal of Engineering Science and Technology (IJEST)	IJEST	ISSN : 0975-5462 Volume No. :6 Issue :4 Month & Year : April 2014 Page Nos. : 116-120

ii. Journals: National

Sl. No.	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Basavaraj Angadi, H.D.Chandra Shekar, L.C.S.Murthy	Preparation and Characterization of Spray Deposited CuO thin Films towards Fabrication of Low Cost Hetero-junction Solar Cells	Advances in Applied Physical and Chemical Sciences-A Sustainable Approach (Book)	Excellent publishing house, Kishangarh, Vasant Kunj, New Delhi – 110070. (Conference proceedings of International Conference on “Innovative Trends in Applied Physical, Chemical, Mathematical Sciences and Emerging Energy Technology for Sustainable Development”(APCMET -2014) being held at Jawaharlal Nehru University, New Delhi, on 19 th and 20 th April, 2014, organized by Krishi Sanskriti.	ISBN : 978-93-83083-72-5 Volume No. : Issue : Month & Year : April 2014 Page Nos. : 21-32

iii. Conferences: International

Sl. No	Name of Co-Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	H D Chandrashekar, Basavaraj Angadi, LCS Murthy	Influence of spray deposited TiO ₂ film thickness on the performance of Au/n-TiO ₂ /p-Si/Al low cost hetero-junction solar cell and its utility as a carrier blocking layer	59 th DAE SSPS, VIT University, Vellore, Tamilnadu, India.	IEEE	ISSN : ISBN : Volume No. : Issue : Month & Year : 16 -20 Dec 2014 Page Nos. :

2	H D Chandrashekar, Basavaraj Angadi, R Shashidhar, LCS Murthy, Poornima.P,	Isochronal Effect of Structural Studies of TiO ₂ Thin Films Deposited by Spray Pyrolysis Technique	ILAFM-2014 RV Engg College Bangalore, India,.	(Accepted for: RV Journal)	ISSN : ISBN : Volume No. : Issue : Month & Year : 18-20 Dec 2014 Page Nos. :
3	H D Chandrashekar, Basavaraj Angadi, R Shashidhar, LCS Murthy, Poornima.P,	Isochronal Effect on Optical Studies of TiO ₂ Thin Films Deposited by Spray Pyrolysis Technique	NANOCON-2014 .Pune, India,	(Accepted for: Advanced science letter)	ISSN : ISBN : Volume No. : Issue : Month & Year : 14-15 Oct, 2014 Page Nos. :
4	H D Chandrashekar, Basavaraj Angadi, LCS Murthy	Preparation and characterization of spray deposited CdTe thin films towards fabrication of low cost hetero-junction solar cells	ICONEST-2014, IISc., Bangalore, India		ISSN : ISBN : Volume No. : Issue : Month & Year : 7 to 9 Aug 2014 Page Nos. :
5	H D Chandrashekar, BasavarajAngad R Shashidhar, Dinesh kumar, L.C.S Murthy.	Effect of thickness on Electrical properties of anatase TiO ₂ thin films Deposited by Spray Pyrolysis technique	ICONEST-2014 IISc, Bangalore, India	(Accepted for: Journal of Electro chemical Society)	ISSN : ISBN : Volume No. : Issue : Month & Year : 7 to 9 Aug 2014 Page Nos. :
6	H D Chandrashekar, Basavaraj Angadi, LCS Murthy.	Raman studies on air annealed CuO thin films deposited by spray pyrolysis technique	International Conference on Nano Science & Engineering Application (ICONSEA-2014), Hyderabad, Andhra Pradesh, INDIA.	Centre For Nano Science and Technology Institute of Science and Technology, Jawaharlal Nehru Technological University	ISSN : ISBN : 978-81-924726-2-1 Volume No. : Issue : Month & Year : 26 to 28 June 2014 Page Nos. :

Year 01-01-2013 to 31-12-2013

i. Journals: International

Sl. No.	Name of Co-Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	L.C.S.Murthy	Influence of various alcoholic solvents on structural, morphological and compositional properties of sprayed TiO ₂ films	International Journal of Physics and Research (IJPR)	Transstellar Journal Publications Research Consultancy (TJPRC) Pvt. Ltd.	ISSN : 2250-0030 Volume No. : 3 Issue : 2 Month & Year : June 2013 Page Nos. : 27-32
2	L.C.S.Murthy	Influence of thickness and air annealing on structural, morphological, compositional, electrical properties of sprayed TiO ₂ thin films	International Journal of Engineering Science and Technology (IJEST)	IJEST	ISSN : 0975-5462 Volume No. : 5 Issue : 4 Month & Year : April 2013 Page Nos. : 747-753