

Curriculum Vitae

Name: Dr. SadekarHarishchandraKadubal



Personal Details:-

Name	Harishchandra	Kadubal	Sadekar
Department	Physics		
Qualification(s)	M.Sc., M.Phil, Ph.D.		
e- Mail ID	sadekarhk@gmail.com		
Contact (i) Office	02427-231384		
(ii) Residential	9527428738, 8329156106		

Member of Committees:

Sr. No.	College committees	University /Other committees
1	Chairman, NAAC Criterion no-IV	SYBSC Physics Paper setter
2	Academic Research Co-coordinator	Chairman TYBSc Physics paper setter
3	ICT enabling Committee & Govt. data (AISHE, MIS, NIRF) committee	
4	IQAC- Co-Coordinator	
5	Member NISP	
6	Member of data verification and validation	
7	Member of Science Association Committee	
8	Member of library development committee	
9	Member of purchase committee	
10	IIC AISHE coordinator	

AND ACADEMIC PERFORMANCE INDEX

(1) Academic performance index (Last 5 years -2011-2016) API:160

RESEARCH ACTIVITIES

(i) Area of Research Interest - Material Science

(ii) Research Publications

- (i) Total No. of Publications :**16**
- (ii) Total impact of publications :**49.743**
- (iii) Total papers in indexed journals and SNIP/SJR : **05**
- (iv) Total research citation- **123**, h-index:**05**, and i10-Index-**04**
- (v) List of publications (Last five years)

Publications:

Sr. No.	Title of the Article/ Paper	Name of the journal	Vol. No. & PP / Month and Year	Whether you are the main Author	No. of Co- authors	ISSN No.	UGC Journal No.	Impact Factor
1.	Growth, structural, optical and electrical study of ZnS thin films	Journal of Alloys and Compounds	453(1) pp-519 2008	yes	04	ISSN: 0925-8388	UGC Care	5.316
2.	Bandgap engineering by substitution of S by Se in nanostructured ZnS _{1-x} Se _x thin	Journal of Alloys and Compounds	509(18) pp-5525 2011	Yes	04	ISSN: 0925-8388	UGC Care	5.316
3.	Effect of Post-deposition Heat Treatment on the Physical Properties of SILAR Grown Tin Disulfide	Journal of Scientific Review	Vol-04 Issue-01 pp-196 2012	No	04	E-ISSN- 0975-0754		
4.	Nanocrystalline ZnSe Thin Films Prepared by Solution Growth Technique for Photosensor Application	Composites: Part B Engineering	Vol-44 Issue- pp- 2012	Yes	04	ISSN: 1359-8368	UGC Care	9.078
5.	Optical, Structural and Surface Morphology Properties of PbSe Thin Film Deposited By Chemical Bath Deposition	International Journal of Chemical and Physical Sciences	Vol-03 Spl. Issue 2014	Yes		ISSN:2319- 6602		3.42
6.	Fabrication of CdSe Thin Film for Photo sensor Applications	International journal of Innovations in engineering and Technology	Vol-04 Issue-01 pp-35 2015			SSN 2319- 1058		0.672
7.	Chemical Bath deposition of PbS thin film for Window layer of thin film solar cells	BIONANO FRONTIER	Vol.-8 pp-187- 188 Dec.2015	Yes	01	ISSN 0974- 0678	--	--
8.	Required Improvements In IQAC	International Research Journal	Special issue pp-104- 106 Jan.2016	No	02	ISSN: 2278-9308	---	--
9.	Optical and structural Properties of CuSe thin films Deposited by Chemical Bath Deposition (CBD) technique	International Research Journal of Science and Engineering	Special Issue A2,pp-20- 22 Jan. 2018	Yes	--	ISSN:2322- 0015	63628	4.115
10.	Role of electrification in the Rural development	International Research Journal of Science and Engineering	Special Issue A4 pp-49-51 Jan. 2018	No	02	ISSN:2322- 0015	63628	4.11
11.	Growth and Characterization of CuSe thin films by Chemical Bath Deposition Technique	Journal of Applied science and Competitions	Vol-VI, Issue-I, pp-839- 841 Jan. 2019	Yes	01	ISSN:1076- 5131	-	5.8

12.	Theoretical and experimental study of Band gap modification of Mg-doped ZnS thin films	Review of research	Vio-1 pp-9 2019	no	04	ISSN:2249-89X		
13.	Growth and Characterization of PbSe thin films by chemical bath deposition technique	Research Journey International Multidisciplinary E-research journal	Special issue-168(B) pp-79-81 March 2019	Yes	--	ISSN: 2348-7143	40705	6.216
14.	Theoretical and experimental study of band gap modification of Mg-Doped ZnS thin films	Review of research	Vol-1, Issue-1 pp-9-13	No	05	ISSN:2249-894X	--	5.7
15.	Deposition and characterization of CdSe thin film for photovoltaic applications	Journal of The Maharaja Sayajirao University of Baroda	Vol no- 55 Issue no- 2 pp-627-629 2021	Yes	00	ISSN: 0025-0422	UGC Care group-1 list	
16.	Nanostructured ZnS _{1-x} Se _x (x=0.4) thin film prepared by chemical bath deposition for solar cell applications	Journal of Scientific research of The Banaras Hindu University	Vol.-65 Issue- 07 Page -55-57 September-2021	Yes	00	ISSN:0447-9483	UGC Care group-1 list	

(iii) Research Projects:

Title of the Project	Name of the funding Agency	Duration	Completed / Ongoing
Growth and characterization of ZnS _{1-x} Se _x thin films for photovoltaic applications	BCUD, University of Pune	Completed (2008-10)	Completed
Growth and characterization of CdS _{1-x} Te _x thin films for photovoltaic applications	UGC	Completed (2009-2011)	Completed
CdS _{1-x} Te _x thin film for photovoltaic applications by solution growth techniques.	Mula Education Society, Sonai	2019-20	Completed
Growth and characterization of CdSe thin films for photovoltaic applications by solution growth technique	Mula Education Society, Sonai	2020-21	Completed

BOOKS PUBLISHED:

Name of the book	Author(s)	ISBN No.	Year	Edition	Publisher
National Conference on Nanomaterials: Applications and Properties (Abstract Book and Proceeding book)	Dr. Sadekar H.K.		22,23 February 2013		
Physics of nanomaterial	Dr. Harishchandra K. Sadekar	978-93-5158-485-8	2015		Success Pune
Classical Electrodynamics	Dr. Harishchandra K. Sadekar	978-93-5158-485-8	2015		Success Pune
Electrodynamics (TYBSC)	Dr. Harishchandra K. Sadekar	978-81-24457-44-2	2020		Success Pune
Mathematical Methods in Physics-II	Dr. Harishchandra K. Sadekar	978-93-24457-44-7	2020		Success Pune
Electrodynamics (M.Sc.)	Dr. Harishchandra K. Sadekar	978-81-24457-44-3	2020		Success Pune
Physics of semiconductor Devices	Dr. Harishchandra K. Sadekar	978-81-24457-44-4	2020		Success Pune

PARTICIPATION IN SEMINARS / CONFERENCES / SYMPOSIA AND WORKSHOPS

Sr. no	Title of the seminar/ conference/Symposium	Place where organized	State/ National/ International	Date
1	State level Workshop on Nanotechnology and Its Applications in Polymaterials and Biomaterials	New Arts, Commerce and Science College, Shevgaon, Dist- Ahmednagar	State	12-13 January 2011
2	State level Conference on Recent Trends in Biophysics and Medical Electronics	K.J. Somaiya College of Arts, Commerce and Science College, Kopargaon, Dist- Ahmednagar	State	10-11 February 2012
3	State level Seminar on Recent Trends in Thin film Deposition Techniques and Their Characterization	Ahmednagar College, Ahmednagar	state	18-19 December 2012

4	State Conference on Recent Trends in Nano Technology	Loknete Vyankatrao Hiray, mahavidyalay Nashik	State	28-29 December 2012
5	National seminar on Advanced Materials and it's Applications	Arts and Science College, Dondaicha, Dist- Dhule	National	1-2 February 2013
6	State level Seminar on Recent Trends in the Utilization of Solar Energy	Padmashri Vikhe Patil College of Arts, Science and Commerce, pravaranagar, Dist- Ahmednagar	State	20-21 September 2013
7	National Conference on Sustainable Energy Development and Environment System	Haribhai V. Desai College, Pune	National	10-11 January 2014
8	International Conference on Recent Trends and Challenges in Science and Technology	Padmashri Vikhe Patil College of Arts, Science and Commerce, pravaranagar, Dist- Ahmednagar	International	20-22 August 2014
9	State Level Seminar on Renewable Energy Resources- Opportunities in India	Shri Dnyaneshwar Mahavidyalay, Newasa	State	21 st January 2017

SEMINARS / CONFERENCES / SYMPOSIA AND WORKSHOPS PAPER PRESENTATION

Sr. No.	Title of the seminar/ conference/Symposium	Place where organized	Title of the paper presented	State/ National/ International	Date
1	International Conference ICONSAT 2012	Nano mission, DST, Govt. of India at Hyderabad	Growth and optoelectronic properties of Nano crystalline ZnSe thin films prepared by solution growth technique for Photosensor applications	International	20-23 January 2012
2	National Workshop on Nanotechnology	Dr. BAM University, Aurangabad	Effect of S:Se on photo sensor characteristics of nano structured n-ZnS _{1-x} Se _x /P-Cu ₂ S thin films	National	16-17 February 2012
3	State level seminar on Non conventional energy	Pimpalgaon-Pisa College	Chemical bath Deposition of ZnS thin films for Solar cell Applications	State	17-18 February 2012
4	National seminar on Advances in Nano structured Materials and their applications	C.H.C Arts, S.G.P. Commerce and B.B.J.P. Science College, Taloda	Nano structured ZnS _{0.6} Se _{0.4} thin films by chemical bath deposition	National	22-23 January 2013.
5	National Conference on Emerging Trends in Nanoscience	Arts, Commerce and science College, Ozar (Mig), Dist- Nashik	Optical, Structural and Surface Morphology Properties of PbSe Thin Film Deposited By Chemical Bath Deposition	National	23-24, December 2014

6	National Conference on Material Advances for better future	Jijamata College of science and arts, dnyaneshwarnagar, Bhende, tal- Newasa, Dist- Ahmednagar	Optical and Structural Characteristics of PbS Thin Film Deposited by Solution Growth Technique	National	16-17 January 2015
7	International Conference on Functional Materials and Microwaves (ICFMM-2015)	Dr. Babasahebamb edkarMarathwada University, Aurangabad	Chemical Bath Deposition of PbS thin film for window layer of thin film solar cells	International	28-30 December 2015
8	National Conference on New Trends and Developments in Physics	New Arts, Commerce and science College, Parner	CuS Thin film Deposited by Chemical Bath deposition for Photosensor Applications	National	8-9 January 2016
9	State level Conference on Nanobasics and its' Applications	R.B. NarayanraoBor awake College, shrirampur, Dist- Ahmednagar	Structure, Magnetic characterization of Cobalt-zinc ferrite film prepared by spray pyrolysis technique	State	18-19 January 2016
10	National Conference on Role of IQAC: Academic and Administrative Audit for Improvement in Institutional Quality	K.J. Somayya College, Kopargaon, Dist- Ahmednagar	Required Improvements in IQAC	National	21-22, January 2016
11	National Conference on Biodiversity and Environment	Arts, commerce and science College, Sonai Tal- Newasa, Dist- Ahmednagar	Fabrication of Thin film CdS/CdTe Solar Cells	National	23-January 2016.
12	National Conference on Recent Development in Nanomaterials and their Applications	G.T. Patil Arts, commerce and Science College, Nandurbar	Deposition of ZnSe Thin film for Solar cell Applications	National	5-6 February 2016
13	State level Conference on Recent Trends in Material science	Shrianand College, Pathardi Dist- Ahmednagar	Deposition of CdSe thin film for photovoltaic applications	National	15-16 February 2016
14	National Conference on Nanomaterials Imperatives in the New Millennium	Department of Physics Chandwad College, Dist- Nashik	Fabrication of titanium oxide thin films at low temperature from aqueous solution bt chemical bath deposition	National	16-17 October 2016
15	State level Conference on Advanced methods for material characterization	Arts, Commerce and Science College, Ale	Optical and structural properties of CuSe thin films deposited by chemical bath deposition technique	State	5-6 January 2018

16	International Conference on Functional Materials	KTHM College, Nashik	Structural and optical properties of CuS thin films by Chemical Bath Deposition Technique	International	12-13 January 2018
17	National Conference on Renewable Energy and Environment	K.J. Somaiya College of Arts, Commerce and Science, Kopergaon	Role of electrification in the Rural development	National	19-20 January 2018
18	International Conference on Innovations in Physical, Chemical and Life Sciences	New Arts, Commerce and Science College, Parner	Growth and Characterization of PbSe thin films by Chemical Bath Deposition technique	International	27-28 December 2018
19	National Conference on Recent Development in Material Science and its application	New Arts, Commerce and Science College, Shevgaon	Growth and Characterization of Cuse Thin Films	National	22-23 January 2019
20	National Conference on Recent Trends in Material Science and Nanotechnology	AnandraoDhon de Alias BabajiMahavidyalay, Kada	Growth and Characterization of PbSe thin films	National	17/03/2019

SEMINARS AND WORKSHOPS ORGANIZED:-

Title of the seminar/ conference/Symposium	Sponsoring Agency	Amount sanctioned	State/ National/ International	Date
National Conference on Nanomaterials: Applications and Properties	UGC, New Delhi	103750	National	22,23 February 2013

Awards

Sr. No.	Date	Name of Award	State/National/ International	Name of Agency
1	2020-21	Shaikshanic Kary Gaurav	State	Dnyanoday Bahuuddeshiya Sanstha, Takalibhan
2	24/10/2021	Global Teacher Award	International	AKS Education Award, New Delhi

Research paper Reviewed

Sr. No.	Date	Name of Journal	Impact Factor of Journal
1	25/03/2015	Materials Chemistry and Physics (Elsevier Journal)	2.259
2	13/02/2020	Materials Chemistry and Physics (Elsevier Journal)	2.259

**GUIDANCE FOR RESEARCH PROJECTS/COMPETITIONS (UG/PG)
AWARDS AND ACHIEVEMENTS:**

(i) Regional level–

1. TYBSC Physics and M.Sc. Physics projects
2. External Examiner to Inspired award Mnak

(ii) State level-

(iii) National level

OTHER ACCOMPLISHMENTS:

(i) Co-curricular activities

Coordinator YCMOU, Nashik BA/BCom Study Center.
Chairman NAAC Criterion No. iv
Chairman Audio Visual Aids in College.

(ii) Participation in social outreach programme

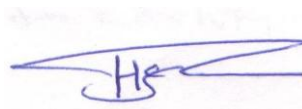
- **Member** – Organizing Committee of State Level Farmer Sat-sang Mela, Organized by YashwantSamajikPratishthan, Sonai, during 29th December 2006 to 1st January 2007.
- Active participation in 'Eye Donation Campaign organized by YashwantSamajikPratishthan, Sonai, on 12th May 2010.
- *Participated in one day Camp at MoryaChinchore, Tree plantation was carried out at the place. ShriPopatraoPawar (Sarpanch, Ideal Village HivreBazar) guided on the occasion.*

(iii) Membership of academic or administrative Bodies / Committees

(iv) Other related information

Posts held in the College:-

- 1) Head, Department of physics from 1992 to till
- 2) Co-Ordinator- Computer, MSCIT Course – from 1994 to 2010
- 3) Co-Ordinator-YCMOU BA/B.Com study center from 2004 to 2019.
- 4) Chief of Committee- Career and Counseling Center from 2010 to 2012
- 5) Chief of Committee - Vocational training program.
- 6) Member – Local Managing Committee, Arts, Commerce & Science College, Sonai, from 2005 to 2010.
- 7) Chairman – NAAC Criterion no. 4
- 8) Member College Development Committee – From 2003 to 2007.
- 9) Chairman – Students Council for 2002 – 2003.



Dr. Harishchandra Kadubal Sadekar
Head, Department of Physics.