

## Curriculum Vitae

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### Personal Details

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<b><u>Office Address</u></b> S. G. Patil Arts, Sci & Comm College, Sakri, Dist : Dhulia. Pin - 424304 (MS.3	<b><u>Permanent Address</u></b> 44,Shrisuman,ShauNagar, Devpure,Dhule, Dist. Dhule 424301 (MS ) Email – sanjayssonawane@gmail.com Mob : +91-9423191205	
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***Date of Birth: 25.09.1960***

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### Personal Details

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Name	<b>SANJAY SHRIRAM SONAWANE</b>
Date of Birth	25 September 1960
Nationality	Indian
Marital status	Married
Category	
Present Post	ASSOCIATE PROFESSOR Dept. Of Physics, S. G. Patil Arts, Sci & Comm College, Sakri, Dist : Dhulia. Pin - 424304 (MS)
Date of Appointment	22.07.1985
Scale of Pay and Present Pay	9000/- AGP
Present Address	44,Shrisuman,ShauNagar, Devpure,Dhule, Dist. Dhule 424301 (MS )

Mobile No.	+91-9423191205
E-Mail	sanjayssonawane@gmail.com
Teaching Experience	29 years (U.G.)
Research Experience	02 years
Languages Known	Marathi, Hindi, and English

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### Educational Qualification

Exam.Passed	Name of The University	Year of Passing	Class	Subject
B. Sc.	University of Pune, Pune	1981	Second	Physics
M. Sc.	University of Pune, Pune	1985	First	Physics

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### Orientation and Refresher courses attended

Sr. No.	Programme	Name of A.S.C.	Place	Duration
1	Orientation	A.S.C. University of Pune	Pune	13-9 to 10-10-90
2	Refresher	A.S.C. Devi Ahilya Vishwavidyalaya	Indore	7 to 27-3-1991
3	Refresher	A.S.C. Aurangabad University	Aurangabad	3 to 29-10-1994
4	Refresher	A.S.C. Aurangabad University	Aurangabad	2 to 30-1-1999

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### Research Publications

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### International Journals and Proceedings

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1. Structural,Optical and Electrical Properties of Nanocrystalline Cuprous Oxide Thin Film Deposited By Chemical Method”.S.S.Sonawane,P.B.Ahirrao,D.R.Patil M.S.Shinde and R.S.Patil. Journal of Scientific Review.
  2. Wide Band gap nanocrystalline CuSCn thin films deposited by modified chemical method, S.S.Sonawane, P.B.Ahirrao, S.R.Gosavi and R.S.Patil.
  3. *Growth and study of gel grown crystals of zinc iodate*.S.J.Nandre, S.J.Shitole, **S. S. Sonawane** and R.R.Ahire. A Proceeding of National Conference on Lasers and Advanced Materials.(NCLAM-2012). 175-177. **ISBN 978-81-922256-6-1**.
  4. *“Optical and Surface morphology of Zinc Tartrate Crystals”*. S.J.Nandre, S.J. Shitole, **S.S.Sonawane** and R.R.Ahire. International Journal of Basic and Applied Research.125-128 .ISSN- 2278-0505.
  5. *“Growth and Study of Calcium tartrate Single crystal for Optoelectronics Application”*. S.S. Sonawane, S.J. Nandre, S.J. Shitole and R.R. Ahire. A Proceeding of National seminar on Advances in Nano Structured Materials and their Applications.2013.104-110. . **ISBN 978-93-82414-41-4**.
  6. *“Growth XRD, Thermal & FT-IR Studies of gel grown single crystals of ZincTartrate”*. S.J.Nandre, S.J. Shitole, S.S.Sonawane AND R.R.Ahire. NCANAP2013 PROCEEDING AHMEDNAGAR (M.S.) INDIA, (Feb.2013) 155 – 159. ISBN 978-81-924820-3-3.

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### **Presentations at National & International Conferences**

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1. Structural,Optical and Electrical Properties of Nanocrystalline Cuprous Oxide Thin Film Deposited By Chemical Method”.S.S.Sonawane,P.B.Ahirrao,D.R.Patil M.S.Shinde and R.S.Patil.State level Seminar
2. *“Thermal and Optical studies of Gel Grown Cobalt Iodate Crystal”*, **S.J.Nandre**, S.J.Shitole, S. S. Sonawane and R.R.Ahire Poster presentation at National workshop on nanotechnology and intellectual property rights and patents in science and technology from nanotechnology perspectives, Dr.Babasaheb Ambedkar Marathwada University,Aurangabad.(M.S). (16-17 Feb 2012).
3. *“Growth and Study of Gel Grown Crystals of Zinc Iodate”*. **S.J.Nandre**, S.J.Shitole, S. S. Sonawane and R.R.Ahire. Poster presentation at National

Conference on Lasers and Advanced Materials (NCLAM-2012).Sant Gadge Baba Amravati University Amravati.(M.S).29-30 May 2012.

4. **“Strontium Tartrate crystals Grown by Single Diffusion Method”**. **S.J.Nandre**, S.J. Shitole, S.S.Sonawane and R.R.Ahire. Poster presentation at National Conference on Indian Development In Recent And Ideal Semiconductors For Novel Application. Arts, Com. & Science College, Navapur. Dist-Nadurbar,[Maharashtra].6-7Oct 2012
5. **“Optical and Surface morphology of Zinc Tartrate Crystals”**. **S.J.Nandre**, S.J. Shitole, S.S.Sonawane and R.R.Ahire. Poster presentation at National Conference UGC SPONCERED NATIONAL CONFERENCE ON RECENT TRENDS IN PHYSICS (NCRTP 26-27 OCT.2012). Mungasagi Maharaj Mahavidylaya, Darwha ,Dist – Yavatmal.
6. “Studies on the Growth and Vibrational Spectroscopy of Calcium Tartrate Single Crystal” Arts, Com. & Science College, Navapur. Dist-Nadurbar,[Maharashtra].6-7Oct 2012
7. “Strontium Tartrate crystals Grown by Single Diffusion Method”. S.J.Nandre, S.J. Shitole, S.S.Sonawane and R.R.Ahire. Poster presentation at National Conference on Indian Development in Recent and Ideal Semiconductors for Novel Application.Arts,Com& Science College,Navapur. Dist-Nadurbar,[Maharashtra]. 6-7Oct 2012.
8. Growth and Study of Calcium tartrate single crystal for optoelectronic applications S.S.Sonawane , S.J.Nandre, S.J. Shitole, **R.R.Ahire**. Oral presentation at National conference on Advances in Nano Structured Materials and Their Applications,Taloda Dist Nandurbar22nd-23<sup>rd</sup> Jan.2013

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26. **Research Project** : Nil

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**Conferences / Seminars /Short Term Courses attended**

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2. Workshop for Syllabi Revision, Pratap College, Amalner. (25 January 2007)
  3. Workshop On Restructuring of syllabi for Physics at S.Y.B.Sc., Chalisgaon(11<sup>th</sup> - 12<sup>th</sup> December 2007)
  4. Workshop on Visit to laboratories for exploring research trends & career opportunities in Physics, Special Programme of NMU for S.Y.B.Sc & T.Y.B.Sc Physics Student on 6<sup>th</sup> February 2008 at Department of Physics, NMU, Jalgaon.
  5. Workshop on “New Trends in Higher Education” held on March 01, 2009 at V.V.M’s.S.G.Patil College Sakri, Dist. Dhule.
  6. Workshop on “First Year B.Sc PHYSICS Syllabi Revision” held on 27<sup>th</sup> March, 2012, at V.V.M’s.S.G.Patil College Sakri, Dist. Dhule.
  7. Workshop on “Curriculum development in Physics” at Nandurbar, 19-20 Mar. 2004
  8. Workshop on “Recent Trends in Agrobased Industries for community development” at Sakri 8-9 Feb 2010.
  9. International Conference on “Strategies for sustainable development in India”. On 17-18<sup>th</sup> November 2012. At Shri Jagdishprasad Jhabarmal Tirbrewala University. Zunzunu. Rajasthan.
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### Extension Activities (at College level)

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Sr.No.	Activities	Position Held	Duration
1	Science Club	Chairman	2002
2	Dept. Of Adult & Continuing Education and Extension Services.	Chairman	
3	N.S.S.	Asst. P.O.	
4	Nandurbar Zone Inter college.	Member	
5	Counseling Club	Member	
6	Yuvati Sabha	Member	
7	Student Council	Chairman	
8	Exam committee	Member	
9	Magazine Committee	Member	
10	Disciplinary Committee	Member	
11	Time Table Committee	Chairman	
12	Alumni Association	Chairman	
13	Sports Committee	Chairman	

14	Cultural Committee	Member	

### **Organization of Extra Curricular Activities**

- 1) N.S.S. Special Camp
- 2) Blood Donation and Medical Camp
- 3) Wall Poster Competition Cycle rally

### **Linkage With**

1. Uttamrao Patil College Dahivel( Dhule.)
2. Z.B.Patil College Dhule.

### **Representation on Various Bodies:**

- 1) Member of University Bodies
- 2) Senate
- 3) Faculty
- 4) Board of Examinations
- 5) Board of Studies
- 6) Organizing Member of Yuvarang from 2005 to till this date
- 7) Vice-President Maharashtra Federation University and College organization Mumbai
- 8) President, North Maharashtra University and College teacher organization Jalgaon

**University Exam Work:** Senior Supervisor, Member of Flying Squad, Director CAP at Sakri. CAP At NMU Jalgaon.

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### Educational Qualification

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Exam. Passed	Name of The University	Year of Passing	Class	Subject
B. Sc.	University of Pune, Pune	April 1980	First	Physics
M. Sc.	University of Pune, Pune	April 1982	Second	Physics
M.Phil.	Shivaji University, Kolhapur	August 1996	A grade	Physics

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### Refresher courses attended

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Sr. No.	Name of the A.S.College	Duration
1	A.S.C.University Of Rajasthan ,Jaipur	08/08/1990 to 28/08/1990
2	A.S.C.Devi Ahjilya Vishwavidyalaya Indore	03/09/1991 to 20/09/1991
3	A.S.C.North Maharashtra University, Jalgaon	18/12/1995 to 14/01/1996
4	A.S.C.Gulbarga University, Gulbarga	27/01/1997 to 19/02/1997

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### M. Phil Research Topic

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**“STUDIES ON MODELLING OF SEMICONDUCTOR SEPTUM SOLAR CELLS FOR ELECTRICITY GENERATION”**

**Guide**–Prof. Dr.S.H.Pawar, Dept.of Physics, Shivaji University, Kolhapur

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### Research Publications

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### International Journals and Proceedings

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1. Line Septum Solar Cell For Hydrogen Production.  
S.H.Pawar & P.D.Pawar, Indian Journal of Applied Physics  
Vol.34,July1996,pp504-505

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### **Presentations at National & International Conferences**

1. Commercial Redox Storage Solar Cell formed with Electrodeposited CdSe as Semiconductor Septum.  
S.H.Pawar,P.D.Pawar,T.R.Bhosale,M.J.Ubale,S.B.Kul;karni  
National Conference on Thin film processing & Applications  
Jan.23-24,1995,Dept.of Physics,Sri.Venhateswara University,Tirupati.
2. Studies of Corrosion of Semiconductor Septum Formed with FeCl<sub>3</sub> Electrolyte  
S.H.Pawar,P.D.Pawar,&L.D.Naiknaware  
National Conference on Development in Electronic Materials & their Applications.  
March,6 to 8,1995,Dept. of Physics, Shivaji University,Kolhapur.

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### **Publications (Paper/ Books/ Articles/ Monographs):**

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### **Conferences / Seminars /Short Term Courses attended**

1. Workshop on Physics Teacher's Association, Jai -HindCollege, Dhule ( 30 March1986 ) ,University level
2. Seminar on National Curriculum Development , HPT/RYK College,Nasik (22,23 April 1989 )
3. Seminar on Solar Energy,Microprocessor &Computer , Dept.of Physics &Electronics,Chopada (3,4Jan.1990 ) ,University level
4. Workshop on Joint CBIR-UGC Syllabus Structure in Physics , Jai-hind College Dhule (6 Jan.1990 ) University level.
5. Workshop on Physics Teacher's Association, Jai-Hind College Dhule (21 March 1993)



6. Workshop On Physics –Electronics Teacher’s Association ,Pratap College Amalner (10 Oct.1993)
7. Workshop on T.Y.B.Sc. Syllabus ,S.S.V.P.S College, Dhule (9 Jan.1994).
8. Workshop on Fundamental of Thin Film Technology, M.s.G.college, Malegaon (3 March 1994 )
9. Workshop on Commercialization of Renewable Energy Technology, Shivaji University, Kolhapur. (18,19 Nov.1994 ),State level
10. Seminar on Recent Trades in Sensors & Advanced Materials.M.S.G.College,Malegaon ( 27,28 Jan.2010 ),State level
11. Workshop on Innovatives expts.&Technological Advances. M.J.College,Jalgaon. (29 Jan. 2010 )
12. Seminar on Recent Trends in Agrobased Industries. S.G.Patil College, Sakri( 8,9 Feb.2010) ,State level
13. Workshop on Visit to Laboratories for Exploring Current Trends & Career Opportunities in Physics. Dept. of Physics N.M.U.Jalgaon (23 Feb.2010 )
14. Member of Organized Seminar on Advances in Science & Technology of Nano-Materials. Dept. of Physics,S.G.Patil College , Sakri (8,9 March2010 )
15. National Seminar on Non-Structured Materials for Advanced Technology . K.B.Patil Mahavidyalaya Pandhapur (3,4 Oct.2011 )
16. National Conference on Indian Development In Recent & Ideal Semiconductors For Novel Applications, M.G.Agrawal College ,Navapur. (6,7 Oct. 2012 )
17. National Seminar on Advances In Nano-Structured Materials & Their Applications ,B.B.J.P.College Taloda Dist. Nandurbar (22,23 Jan.

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**Extension Activities( at College level )**

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<b>Sr.No.</b>	<b>Activities</b>	<b>Position Held</b>	<b>Duration</b>
1	Science Club	Chairman	1996-1999 ,2010-11
2	N.S.S.	Guidance	2010-2011
3	General Knowledge	Guidence	From 1998
4	Debating Committee	Member	2010-2012
5	Chanakya Mandal	Guidance	2009-2012
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### Extra Curricular Activities

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- \_ Gathering Chairman
- \_ Blood Donation Camp - Participation
- \_ Fish-Pond Committee-Member from 2005 to 2012

### Public Lectures:

- \_ Solar Energy at N.S.S.Camp

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### Articles Published in News Paper

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1. Hydrogen From Sea Water (in Marathi) Paper Sakal-17 July 1999

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### Special Highlighted Social Activities

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Nil

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### Linkage Withand Representation on Various Bodies

Nil

**Representation on Various Bodies:**

**Social Organization:**

1. Member, Vividh Karyakari Society  
Talwade Tal. Malegaon

**University Exam Work:** Senior Supervisor, Member Flying Squad, Paper Setter.Examiner.