

S.S.V.P.S's Late S. D. Patil alias Baburao Dada Arts, Commerce and Late Bhausaheb M. D. Sisode Science College Shindkheda, Dist.- Dhule.

**INDIVIDUAL PROFILE**  
**FROM 2018-19 TO 2023-24**

**1. PERSONAL DETAILS:**

Name [Bock letters]	:	Dr. SANJAY VISHWAS BORSE
Department	:	PHYSICS
Designation	:	Associate Prof. & H.O.D.
Address	:	Dhanshree colony, Shindkheda -425406
E-Mail.	:	Sv5517@gmail.com
Mobile	:	9423495074
Telephone No	:	02566299533



**2. Academic Qualification:**

Sr.	Examination	Board/ University	Year of Passing	%	Division/ Grade
1	S.S.C.	Pune	1984	70.00%	I
2	H.S.C.	Pune	1986	64.33%	I
3	B.Sc. (Physics)	Pune	1989	59.00%	II
4	M.Sc. (Physics)	Pune	1991	64.80%	I
5	P.h.D.	K.B.C.N.M.U.	2008	--	--

**3. Research details**

Sr.	Degree	Title of the thesis	Date of Award	University Division/ Grade
1	Ph. D.	'Optoelectronic Properties of Cd <sub>1-x</sub> Zn <sub>x</sub> S and CuInSe <sub>2-x</sub> S <sub>x</sub> Semiconductor Thin Films for Photodetector Application'	22/10/2008	K.B.C. N.M.U. Jalgaon

**4. ACADEMIC DETAILS:**

Sr.	Position Held	From	To	College / University
1	Assistant professor	24.8.1992	19.12.2020	S.S.V.P.S's Arts, Commerce & Science college, Shindkheda
2	Associate Professor	20.12.2020	Till	S.S.V.P.S's Arts, Commerce & Science college, Shindkheda

5. **TOTAL TEACHING EXPERIENCE:** UG 32 years + 00 PG = Total 32 years  
 6. **TOTAL RESEARCH EXPERIENCE:** 20 years

**7. RESEARCH ACTIVITIES:**

a) *Students Registered for Research Degree:*

Sr.	Name of the Students	M.Phil./ Ph.D.	Year of joining	Title of research work
1				

b) *Students awarded:*

Sr.	Name of the Students	M.Phil./ Ph.D.	Date of award	Title of research work
1	Dr. H.B.Patil	Ph.D.	01.03.2019	'Synthesis and Optoelectronic Properties of HgCr <sub>2</sub> S <sub>4</sub> and CdCr <sub>2</sub> S <sub>4</sub> alloy thin films by Chemical bath deposition method'
2.	Dr. A.E.Mali	Ph.D.	17.01.2022	'Synthesis, Optical and Electrical properties of Nano crystalline Cd <sub>1-x</sub> Mn <sub>x</sub> S Thin Films'

**8. RESEARCH PROJECTS:**

a) **Funded by Non-Government agencies like Industry, corporate houses international bodies etc.**

Sr.	Title of the Project	Funding Agency	Period	Total grants sanctioned	Status
1	Nil	Nil	Nil	Nil	Nil

b) **Funded by Government agencies like UGC/ DST/DBT**

Sr.	Title of the Project	Funding Agency	Period	Total grants sanctioned	Status
1	'Photochemical Synthesis of Cd <sub>1-x</sub> Zn <sub>x</sub> S (X=0.0 to X=1.0) Thin Film and their Characterization'	UGC (WRO)	1.1.2016	1,55,000	Grant is not released, hence Undergoing and not completed and submitted.

**9. Publications:**

a) *Research papers in UGC approved referred/ non-referred/ Indexed journals:*

Sr.	Title of the Paper	Name of Journal	ISSN/ ISBN No	Year/Volume & page No.
1	Growth, Structural and optical properties of CuInSe <sub>2-x</sub> S <sub>x</sub> (X=0.1) Thin films deposited by Chemical Bath deposition Technique	AJANTA Multidisciplinary research	ISSN22 27-5730	2019/ Vol.VIII, Issue-1- March2019

		journal		
2	Growth, Structural and optical properties of CuInSe <sub>2-x</sub> S <sub>x</sub> (X=0.7) Thin films deposited by Chemical Bath deposition Method (C.B.D.)	Researchworld Journal of Arts, Science and Commerce	ISSN 2455-4091	2018/ Vol.IX Special issue jan 2018.
3	Optimization of Growth Parameters for Deposition of Cd <sub>1-x</sub> Mn <sub>x</sub> S (x=0.4) Nanocrystalline thin films by Chemical Bath deposition Technique	Journal of Nanoscience and technology	ISSN 2231-3419	2019/ Vol 5 issue 4 pp. 773-775
4	Structural and Thermoelectric properties of Pb <sub>0.4</sub> In <sub>0.6</sub> Se thin films,	International journal of research and analytical review	E-ISSN 2348-1269 P ISSN 2349-5138	2019 Vol.6 issue 2 pp. 920-924
5	Influence of Mn <sup>+2</sup> magnetic ions on properties of Cd <sub>1-x</sub> Mn <sub>x</sub> S thin films synthesized by chemical bath deposition	Journal of Nano – and electronics Physics	ISSN-2077-6772	2021 Vol. 13 No.1,01004 (5pp)
6	Structural ,Optical and Magnetic Properties of Cd <sub>1-x</sub> Mn <sub>x</sub> S Nanocrystalline thin films at room temperatures	Journal of Nano – and electronics Physics	ISSN-2077-6772	2022/ Vol 14 No.4,01002 (5pp)

**b) Research papers in Conference proceedings:**

Sr.	Title of the Paper	Venue	ISBN No	Year/Volume & page No.
1.	Studies on Growth, Structural and optical properties of CuInSe <sub>2-x</sub> S <sub>x</sub> (X=0.1) Thin films .....	L.K.D.P.R.G. Science College ,Dhule	ISSN 2227-5730	2019 Vol.VIII, Issue-1- March 2019

- Separate List can be attached.

**c) Research Papers presented in State/ National/ International conference, workshops, symposia etc.**

Sr.	Title of the Paper	Name of the Conference	Venue	Date	Oral /Poster
1	Structural ,Optical and Electrical Properties of Hg <sub>x</sub> Cr <sub>2-x</sub> S <sub>4</sub> thin films Deposited by CBD.	International Conference on Advanced Nano materials and Nano technology	Department of Physics University of Mumbai and S.D.College Palghar	26-28 Nov 2019	Oral
2	Preparation and studies on electrical Cd <sub>1-x</sub> Zn <sub>x</sub> S thin films	National conference on web based library and information services in academic libraries	SSVPS A.S.C. College, Shindkheda Dist.- Dhule	22-23 Jan 2019	Poster

3	Studies on Growth, Structural and optical properties of CuInSe <sub>2-x</sub> S <sub>x</sub> (X=0.1) Thin films .....	National conference on material Science: Advancement and innovation	L.K.D.P.R. G. Science College ,Dhule	20 Jan. 2019	Oral
4	Growth, Structural and optical properties of CuInSe <sub>2-x</sub> S <sub>x</sub> (X=0.4) Thin films deposited by Chemical Bath deposition Method (C.B.D.)	National Conference On Electronic Material Thin Film & Its Applications	Dr. G.D. Bendale W. College Jalgaon	15 Feb. 2022	Poster
5					
6					

d) **Research Citation:**

Citation: 125

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e) **Books: Monographs/ reference books/ Text books/ chapters in Book**

Sr.	Title of the Book	Name of the Publisher	ISBN No.	Date of Publication	Pages
1	S. Y. B. Sc. PHY-404 Electrical circuits and Networks	Prashant Pub. Jalgaon	978-93-89492-21-1	July 2020	113
2	F. Y. B. Sc. PHY-101 Basic Mechanics	Prashant Pub. Jalgaon	978-93-850121-69-6	July 2022	105

f) **Research Awards/ Recognition:**

Sr.	Name of the Award/ Recognition	By	Dates / duration
1	P.G. Teacher and Research Guide	N.M.U, Jalgaon	65 Years of age

**10. WORKSHOPS/SEMINARS/CONFERENCES/WEBINARS ATTENDED**

Sr. No.	Title of Conference/ seminar	Organized by	Level International/ National/ State/ University

<b>01</b>	<b>New trend in recent material NTIRM-2018</b>	<b>Department of physics and Electronics, N. M. College, Jalgaon</b>	<b>State</b>
<b>02</b>	<b>Innovation in Nanomaterials and their Application (OCINA-2018)</b>	<b>L. V. H. Arts, Science and Commerce College, Panchavati, Nasik</b>	<b>International</b>
<b>03</b>	<b>.Non conventional energy sources for Rural Development of India (NCESFRDOI-2018)</b>	<b>Uttamrao patil Arts And Science college Dahiwel sponsored by N. M. U, jalgaon</b>	<b>National</b>
<b>04</b>	<b>Material Science:Advances and innovation (NCMSAI-2019)</b>	<b>L. K. Dr. P. R. Ghogrey Science College, Dhule</b>	<b>National</b>
<b>05</b>	<b>Web based library and information service in academic libraries</b>	<b>S. S. V. P. S. College Shindkheda sponsored byk. B. C. N. M. U, Jalgaon</b>	<b>National</b>
<b>06</b>	<b>International Conference on Advanced Nanomaterials and nanotechnology ICANn-2019.</b>	<b>Dept. Of Physics, University of Mumbai and S. D. College, palgahar</b>	<b>International</b>
<b>07</b>	<b>National e –conference on “Recent Advaces in Physical and Computational Sciences”</b>	<b>Dr.A.G.Bendale Mahila Mahavidyalaya Jalgaon (15<sup>th</sup> Feb. 2022)</b>	<b>National</b>
<b>08</b>	<b>Workshop on “Syllabus Restructuring at F.Y.B.Sc. (CBCS) Physics</b>	<b>N.Y.N.C. college, Chalisgaon (11<sup>th</sup> April 2022)</b>	<b>University</b>
<b>09</b>	<b>Workshop on “Syllabus Restructuring at T.Y.B.Sc. (CBCS) Physics</b>	<b>P.S.G.V.college, Shahada 02/06/2020 to 03/06/2020</b>	<b>University</b>
<b>10</b>	<b>International webinar on “Role of advanced materials for optoelectronic devices”</b>	<b>V.V.M.S.G.P. College Sakri (12/06/2020)</b>	<b>International</b>

#### **11. MEMBER OF PROFESSIONAL /ACADEMIC/ RESEARCH/ OTHER BODIES**

<b>Sr.</b>	<b>Name of Body</b>	<b>Since</b>	<b>Temporary/ Life member</b>
1	Board of Studies in Physics	01.09.2010 to 2015	5 years
2	C.D.C. of the college	2018	06 years

**12.Participation in Extension Activities:**

Sr.	Name of the Activity	Venue	Dates / duration
1	One week faculty development programme on “Moodle learning and Management system”	S.S.C. College of Arts and Comm. Ulhasnagar	21 to 27 April 2020
2	UGC sponsored Short Term Course on “Gender Sensitization”	D.A.V.V. Indore	17/02/2020 to 23/02/2020
	One week National webinar on “Advances i n Synthesis and Characterization of Materials”	T.C.College, Baramati	24/06/2020 To 24/06/2020

**13INVITED TALK/ LECTURES DELIVERED IN COLLEGE / OTHER COLLEGES**

Sr.	Title of the Lecture/Invited Talk	Venue	Dates / duration
1	Impact of social media on society	Y.C.M.O.U.,Study centre S.S.V.P.S. College, Shindkheda	9.10.2019
2	Environmental Pollution and it’s effect on human health	Y.C.M.O.U.,Study centre S.S.V.P.S. College, Shindkheda	11.12.2021
3	Advances in Science and Technology	Y.C.M.O.U.,Study centre S.S.V.P.S. College, Shindkheda	28.11.2022

**14Any other activity not included above:**

1. Worked as Member for syllabus reformation committee ( F.Y.B.Sc. PHY-202) during academic year 2022-23.
2. Worked as member for syllabus reformation committee ( T.Y.B.Sc. PHY-355 Solid State Physics) during academic year 2020-21.
- 3.Worked as member of local inquiry committee for Yawal college in academic year 2019-20
4. Worked as member for local inquiry committee for Yawal college in academic year 2022-23
5. Appreciated and Honoured by District collector and District Military welfare officer for contribution in Armed forces Flag day fund collection 2023.
6. worked as examiner at poster presentation competition in our college on science day programme

Place: Shindkheda

Date: 03/10/2017

Name and Signature