

## DEPARTMENT OF CHEMISTRY

1.1 Name of the Department : Chemistry

1.2 Year of establishment : 1940

1.3 List of all heads with tenure from establishment:

Sr. No.	NAME	YEAR
1	Prof. Dave	1940-1941
2	Prof. Datar	1941-1942
3	Dr. V.R.Krishnan	1942-1950
4	Prof. D.R. Kulkarni	1950-1976
5	Dr. N.G. Zunjurwad	1976-1991
6	Prof. H.K. Sadafule	1991-1997
7	Prof. R.P. Dhoot	1997-2005
8	Dr. R.B. Bhalvankar	2005-2011
9	Dr. P.H. Basutkar	2011-2017
10	Dr. S.K.Chavan	2017 Onwards

1.4 Courses Run: B.Sc., M.Sc. Physical Chemistry, Pharmaceutical Chemistry

1.5 List of Bridge courses:, Laboratory safety and handling of chemicals

1.6 List of College Certificate courses: Certificate course in handling of Analytical Instruments

1.7 List of University Affiliated Certificate courses: Certificate course in Textile Chemistry

1.8 No. of Teaching Staff: Professor, Associate Professor, Assistant Professor

Sr. No.	NAME	DESIGNATION	QUALIFICATION
1	Dr. Chavan S. K.	Associate Professor	M.Sc., D.H.E., M. Phil, Ph. D.
2	Prin. Dr. Ubale V. P.	Professor	M.Sc., M. Phil., Ph. D.
3	Mr. Mahajan K. J.	Assistant Professor	M. Sc.
4	Dr. Jadhav S. Y.	Associate Professor	M.Sc., SET ,Ph. D
5	Mrs. Gawali R. G.	Assistant Professor	M.Sc., SET, B.Ed.
6	Mr. Rajmane S. V.	Assistant Professor	M.Sc., NET
7	Dr. Nimkar D. A.	Assistant Professor	M. Sc., M. Phil., B.Ed.,Ph. D
8	Mr. Deshmukh S. P.	Assistant Professor	M.Sc., SET, B.J.
9	Dr. Pujari S. R.	Assistant Professor	M.Sc., Ph. D.
10	Mr. Gaikwad S. V.	Associate Professor	M.Sc., D.H.E.
11	Mr. Kumbhare S. S.	Associate Professor	M.Sc.

**1.9 List of CHB staff specifying their Name & Educational Qualification:**

<b>Sr. No.</b>	<b>NAME</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>
1	Dr. Patil R A.	Assistant Professor	M.Sc., SET, Ph. D.
2	Ms. Kumbhar S.A..	Assistant Professor	M.Sc.
3	Ms. Shabade V. B.	Assistant Professor	M. Sc. B. Ed
4	Ms Sindamm M. V.	Assistant Professor	M.Sc.
5	Mr. Birajdar A. S.	Assistant Professor	M.Sc. NET
6	Ms Chavan P. N.	Assistant Professor	M.Sc.
7	Ms.Patil S.S.	Assistant Professor	M. Sc.
8	Ms. Redekar. P.R.	Assistant Professor	M.Sc. B. Ed.
9	Ms. Shrichippa P.V.	Assistant Professor	M.Sc. SET
10	Ms. Chitapure M.A.	Assistant Professor	M.Sc.
11	Dr. Dhanave R.S.	Assistant Professor	M.Sc., Ph. D.
12	Ms Kabara P.A.	Assistant Professor	M.Sc.NET
13	Ms Patil R.V.	Assistant Professor	M.Sc.

**1.10 No. of Support Staff: Lab Assistant, Attendant and Peon- 09**

**1.11 Gold medalists, University Ranker students: list**

**1.12 Special achievements (if any)**

- Prin.Prof.V.P.Ubale has received Ideal Teacher Award from Government of Maharashtra in 2012
- Dr. S.K.Chavan has received Ideal Teacher Award from Lions Club Solapur for the year 2013-2014
- Dr. S. R. Pujari has been awarded Summer Research Fellowship Programme and worked at IIT, Madras during the period May-July 2011.
- Dr. S. Y. Jadhav has been awarded Teacher Fellowship under Faculty Improvement Programme during XIth plan period. Duration: 03/03/2010 to 02/09/2012.
- Dr. S. Y. Jadhav has been awarded Summer Research Fellowship Programme and worked at University of Hyderabad, Hyderabad during the period May-July 2015.

**1.13 Faculty wise Time Table (2017-18): Separate Sheet is attached**

#### 1.14 Facilities:

1. Research center for M.Phil and Ph. D. in Chemistry
2. IR and UV visible Facility in minimum amount is available for all research scholars
3. Department is having
  - FT-IR
  - UV-Vis Spectrophotometer
  - Exhaust Fumehood
  - Icemaking machine
  - Polarograph
  - Spin coating unit
  - Microwave oven
  - Ultrasonic Interferometer
  - Digital Polarimeter
  - Digital Spectrophotometer
  - Ultrasonic Processor (Sonicator)
4. Departmental library
5. Computers with internet facility

#### 1.15 Research Area:

1. High Performance Materials/ Heat Resistant Polymers/ Material Synthesis.
2. Fluorescence Spectroscopy/ Solid state
- 3 Chemistry/ Nano-Materials.
4. Environmental Chemistry/ Surface
- 5 Electrochemistry/Acoustical and Thermodynamic properties
- 5 Chemistry/Thermodynamic Study.
6. Schiff base complex study.
7. Microwave Assisted Synthesis

**Publication No.**

- Journals : **95**
- Conference/workshop : **176**
- Books : **50**

**1.3 Conferences/Workshops/Seminars organized: Title, funding agency, amount and year**

Sr. No.	Title of the Seminar/Workshop/Conference	Department	Level	Spons. Agency	Sanction Letter No.	Sanct. Amount	Period
1	Workshop on Preparation of NET SET Examination	Chemistry	State	College	-	-	11-12 Feb 2017
2	Workshop on B.Sc. III CGPA Syllabus	Chemistry	University	University	SUS/BOS/2016-17/11076 Dated: 07/12/2016	5000/-	9 <sup>th</sup> Feb 2017
3	Workshop on CBCS pattern syllabus of B. Sc. II Chemistry	Chemistry	University	University	SUS/AMV/2017/9293 dated: 27/11/2017	5000/-	20 <sup>th</sup> January 2018
4	Preparation of NET/SET Examination	Chemistry	State	College	-	-	25 <sup>th</sup> Jan. 2018
5	Workshop on B.Sc. III Semester Pattern Syllabus	Chemistry	University	University	SOL/UTY/BOS/8175 Dated: 15/07/2012	5000/-	7 <sup>th</sup> Oct 2012
6	National Conference on Innovations in Chemistry (IC-2017)	Chemistry	National	University	SUS/AMV/2017/9293 Dated: 27/11/2017	10000/-	30 <sup>th</sup> April 2017
7	Two Days National Conference on Advanced Research Trends in Chemistry (ARTC-2014)	Chemistry	National	UGC	24-072/12 (WRO) Dt. 09/03/2013	85000/-	22 <sup>nd</sup> and 23 <sup>rd</sup> Feb. 2014
8	A workshop on Communication skill and Personality development	Chemistry	College	College	---	--	10 <sup>th</sup> March 2018
9	Two days Workshop on Educational video Making	Chemistry	State	College	---	---	9 <sup>th</sup> -10 <sup>th</sup> Sept. 2017






#### 1.4 Grants received for projects: Title, funding agency, amount, year of sanction & completed



Sr. No.	Name of staff	Title	funding agency	Amount	Sanction letter/ Year of sanction	Status
1	Mr. Rajmane S. V.	Physicochemical and biological studies on Schiff base metal complexes	UGC	1,75,000/-	F.47-814/09 (WRO)	Completed
2	Dr. Jadhav S.Y.	Synthesis of Pharmaceutically important pyrazole and thiazole heterocyclic scaffolds and their biological studies	Solapur University, Solapur	90,000/-	SUS/SM-2/2017-18/3901 8 <sup>th</sup> May 2018	ongoing
3	Dr. Pujari S. R.	Synthesis and characterization of organo-luminophors in crystalline solid and in polymer thin films	UGC	1,65,000/-	F.47-779/09 (WRO) 17 <sup>th</sup> Feb. 2009	Completed
4	Prof. Ubale. V. P.	Polyamides from Bis (2-Amino Thiazole Derivative)s :Synthesis and Characterization.	UGC	62500/-	F. No. 47-292/12(WRO) dated 25.02.2013	Completed
5	ProfUbale . V. P.	Synthesis and Characterization of functional monomers and polymers there from	UGC	85000/-	F. No. 47-128/06(WRO) dated 09.02.2007	Completed
6	Dr. Nimkar D. A.	Study of removal of dyes from textile effluent in Solapur city by physic-chemical methods	UGC,WRO,Pune	75,000/-	F.No.47-140/12 (WRO) dated 18.02.2013	Completed
7	Mr. Mahajan K. J.	Studies of physic-chemical	UGC,WRO,Pune	1,30,0000/-	F.No.47-1972/11	Completed

		parameters of Biologically active heterocyclic compounds			(WRO) Dated 21.02.2012	
8	Mr. Deshmukh S. P.	Synthesis and characterization of transition metal nanoparticles in electronic and catalysis applications	UGC,WRO,Pune	1,50,000/-	F. No.47-1994/11(WRO)	Completed
9	Dr. Basutkar P.H.	Synthesis and characterization of high temperature resistant polymers	UGC,WRO,Pune	57500/-	F.No.47-143/06 (WRO) Dated 23.02.2007	Completed





**1.5 List of Research Guides along with enrolled (working/completed) Ph.D. and M.Phil.**

Students in the following format

Sr No	Name of Ph.D./M.Phil. student	Name of Guide	Title of Research/ Dissertation	Degree Ph.D./M.Phil	Registr-ation number and Date	Comple-tion Date (Submit Declaration Certificate)	Student Photograph
1	Miss. Khed M.S.	Dr.S.K.Chavan	Studies on solvation behavior of citric acid in water and various non-aqueous solvents	M.Phil.	SUS/ PGBUTR/100/387 DTdt.27/APR2007	Grade-B Declared on 9/10/2012	
2	Miss.Hemade M.S.	Dr.S.K.Chavan	Studies of Thermodynamic properties of some electrolytes in mixed solvents	Ph.D.	SOL/UTY/BUTR/707/1316	SUS/EXAMS/ Ph.D./1893/2014dt.23/01/2014	
3	Miss.Paul S.A.	Dr.S.K.Chavan	Studies on Environmental Pollution Particularly Water caused by Textile Mills in Solapur	Ph.D.	SUS/BCUD/PGBUTR/1796/7834 dt.11Jan.2007	SUS/EXAMS/ Ph.D./1821/2012 dt.28/12/2012	
4	Mr.Nimkar D.A.	Dr.S.K.Chavan	A Study on Removal of Pollutants from Textile effluents in Solapur city	Ph.D.	SUS/BCUD/PGBUTR/2011-12/51 Dt. 3/4/2012	SUS/EXAMS/ Ph.D./1945/2016 7/10/2016	
5	Mr. Mahajan K. J.	Dr.S.K.Chavan	Study of physico-chemical parameters of biologically active heterocyclic compounds.	Ph.D.	SUS/BCUD/PGBUTR/PET-2010(june)/2010-11/2879dt.6/7/2010	ongoing	

6	Mr.Gope B.A.	Dr.S.K.Chavan	Thermodynamic studies of some biological active substituted heterocyclic compounds	Ph.D.	SUS/BCUD/PGBUTR/10855Dt.15Dec.2012	ongoing	
7	Miss.Chandansive P.E.	Dr.S.K.Chavan	Studies of Physico-chemical properties of some synthesized chalcones	Ph.D.	SUS/BCUD/PGBUTR/10855 dt.15Dec.2012	ongoing	
7	Miss. Jagdale	Prof.V.P.Ubale	Studies on catalytic activity of metal complexes by using suitable catalyst	Ph.D.	SUS/BCUD/PGBUTR/2011-12/54 dt.3/3/2012	Exam/PhD/2017/251212/10/2018	
8	Miss.Patil R.A.	Prof.V.P.Ubale	Studies in thermally stable polymers	Ph.D.	SUS/BCUD/PGBUTR/2011-12/59 Dt. 3/4/2012	Exam/PhD/2018/15137/6/2018	
9	Mr. Kulkarni P. P.	Prof.V.P.Ubale	Synthesis and Characterization of bifunctional monomers having spacers groups and polymers thermo from	Ph.D.	SUS/BCUD/PGBUTR/2010-11/5191 Dt. 5/10/2010	Thesis submitted 28/12/2017	
10	Mr. Rajmane S.V.	Prof.V.P.Ubale	Synthesis and Characterization of bioactive thiazole Schiff bases and their bicentric complexes	Ph.D.	SUS / PGBUTR / 2017/10400Dated: 26/12/17	ongoing	



7	Mr. Bhosale R. R.	Dr. Pujari S.R.	Synthesis, Characterization and applications of nano size metal oxides	Ph.D.	SUS/BCUD/PGBUTR/2011-12/51 Dt. 03 Apr 2012	4/6/2018 Exam/PhD/2018/1485	
8	Miss. Chabukswar D. V.	Dr.S.R.Pujari	Kinetic and mechanistic study of some O, N & O,N,S containing heterocyclic Compounds	Ph.D.	SUS/BCUD/PGBUTR/10855Dt.15Dec.2012	ongoing	
9	Mrs. Mane K.G.	Dr.S.R.Pujari	Synthesis & Characterization of Organo-luminescent materials in crystalline solid and in Polymer Thin Films.	Ph.D.	SUS/BCUD/PGBUTR/10538 Dt. 22 Jan. 2015	ongoing	
10	Mrs. Jagtap K. S.	Dr.S.R.Pujari	Studies on Characterization of Physico-Chemical Parameters and Photochemical Treatment of Textile Industries Waste Water.	Ph.D.	SUS/BCUD/PGBUTR/10537 Dt. 22 Jan. 2015	ongoing	

### 3. Profile of Support Staff

<b>Sr. No.</b>	<b>NAME</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>	<b>YEAR OF JOING</b>
1	Mr. S. A. Adki	Lab. Asst.	S.S.C.	1 Feb 1991
2	Mr. Kadam A.G.	Lab. Asst.	M.A.	16 Aug 2016
3	Mr. N. S. Alande	Lab. Attdt.	S.S.C., I.T.I.	4 Jan 1999
4	Mr. G. M. Kavitkar	Lab. Attdt.	B.A., I.T.I.	4 Jan 1999
5	Mr. M. D. Sutar	Lab. Attdt.	S.S.C., I.T.I.	4 Jan 1999
6	Mr. N. K. Dongare	Lab. Attdt.	S.S.C., I.T.I.	1 Apr 2000
7	Mr. Y. G. Degaonkar	Lab. Attdt.	IX	30 June 2003
8	Smt. M. S. Nirale	Lab. Attdt.	S. S. C	1 July 2015

**D.B.F. Dayanand College of Arts and Science, Solapur**  
**Department of Chemistry: Time table (2018-19)**

**B.Sc.-I, II & III ( sem.-I, III & V)**

**w. e. f.**

**16/07/2018**

Sr. No.	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	10.15	B.Sc.-II(I)(9)SVM B.Sc.-II(II)(11)SYJ	B.Sc.-II(I)(9) SYJ B.Sc.-II(II)(11) SVM	--	--	Bio-Chem.(7) RSD	Bio-Chem.(7) RSD
2	11.05	--	B.Sc.-I(I)(09) SVR B.Sc.-I(II)(12) RGG B.Sc.-I(III)(8) SSK	--	--	--	--
3	11.55	Bio-Chem.(19) PAK B.Sc.-III(15) SSP	Bio-Chem.(19)PAK B.Sc.-III(15) VBS	B.Sc.-II(I)(11) SVR B.Sc.-II(II)(5) SAK B.Sc.-III(15) RGG	B.Sc.-II(I)(11)MAC B.Sc.-II(II)(05)SVR B.Sc.-III(15) ASB	B.Sc.-II(I)(11)RAP B.Sc.-II(II)(05)ASB B.Sc.-III(15) SRP	B.Sc.-II(I)(11)ASB B.Sc.-II(II)(05)RAP B.Sc.-III(15) DAN
4	12.45	Geo-Chem.(19) DAN B.Sc.-III(15) SVG	Geo-Chem.(19) SSP B.Sc.-III(15) SKC	B.Sc.-I(I)(C2) KJM B.Sc.-I(II)(C3) DAN B.Sc.-I(III)(C4) SVG B.Sc.-III(15) SVR Geo-Chem.(19) MVS	B.Sc.-III(15) SSK	B.Sc.-III(15) PNC	B.Sc.-III(15) SYJ
5	1.35	B.Sc.-III(15) KJM	B.Sc.-III(15) SRP	Bio-Chem.(18) RVP B.Sc.-III(15)SYJ	Bio-Chem.(18) RVP B.Sc.-III(15) DAN	B.Sc.-I(I)(9) KJM /SVR B.Sc.-I(II)(11) DAN / RGG B.Sc.-I(III)(20) SVG /SSK B.Sc.-III(15) SVM	B.Sc.-I(I)(9) SVR B.Sc.-I(II)(11) DAN B.Sc.-I(III)(20) SVG B.Sc.-III(15) SVM
6	2.40						B.Sc.-I(I)(C4) KJM B.Sc.-I(II)(C2) RGG B.Sc.-I(III)(5) SSK
Lab.1	B.Sc.-III	RGG + SVR	RGG + SVR	SSK + SVM	SSK + SVM	SYJ + SVR	SYJ + SVR
Lab.2	B.Sc.-I	SKC + SSK + SAK + PAK + SSP	SRP + SSK + RAP+PNC+PVS	RGG + SVG +VBS + MAC+ PAK	DAN + PNC + MVS + ASB +PRR	KJM + RGG + PNC + RSD (MORNING)	--
Lab.3	B.Sc.-II	SYJ + DAN + MAC+ PRR	SYJ + DAN + MAC+ PRR	SKC + RAP + SAK + RVP+PVS	SKC + RAP + SAK + RVP+PVS	SVG + MVS + VBS + SSP	SVG + MVS + VBS + SSP
Lab.3	B.Sc.-II	KJM+SVM+RSD+ASB (MORNING)	KJM+SVM+RSD+ASB (MORNING)				
Phy. Chem	B.Sc.-III	SRP	SVG	DAN	KJM	SKC	SRP
Bio.Chem	B.Sc.-II					PAK	RVP
Geo.Chem.	B.Sc.-II					SRP	

**M.Sc.- I & II (Sem. II & IV)**

<b>Sr. No.</b>	<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>
1	11.00	I- COMP II- SRP	I- SVG II- DAN	I- SSK II-SVG	I- MVS II-KJM	I- MAC II- DAN	I- KJM II-SVG
2	12.00	I- ASB II- SKC	I- PNC II- SVG	I-SRP II-VBS	I- RGG II-SRP	I- SYJ II- PRR	SEMINAR
3	1.00	I- SRP II- MVS	I-SAK II- KJM	I- SVM II-PRR	I- SYJ II-SVG	I- VPU II- SRP	SEMINAR