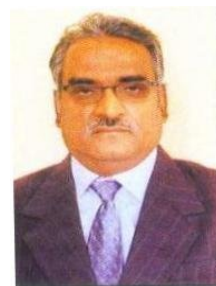


## BIO-DATA



**Full Name** : Dr. Ajit Hirachand Manikshete  
**Father's Name** : Hirachand C. Manikshete  
**Designation** : Principal  
**Date of Birth** : 17<sup>th</sup> Jan 1953  
**Permanent address** : 'Harshal' Plot No. 20, Chakravarty Hsg. Society  
Near D.A.V. college, Solapur-413002  
**Present address** : 'Harshal' Plot No. 20, Chakravarty Hsg. Society  
Near D.A.V. college, Solapur-413002  
**Telephone number** : (0217) 2376371 Mobile - 9422460706  
**E-mail address** : ahmanikshete@yahoo.co.in  
**Sex** : Male

**Languages known** :

Languages	Read	Write	Speak
Marathi	✓	✓	✓
Hindi	✓	✓	✓
English	✓	✓	✓
Kannada	X	X	X

**Nationality** : Indian  
**Domicile** : Maharashtra

**Educational Qualifications** :

Degree	Board/ University	Year of Passing	Division/ Grade	% of marks	Subject/s
B.Sc.	Shivaji	1973	Ist class with Dist.	70%	Chemistry
B.Ed.	Shivaji	1975	II <sup>nd</sup> class	59.6%	Science, Maths
M.Sc.	Shivaji	1977	II <sup>nd</sup> class (B+)	58.7%	Chemistry (Inorganic)
D.C.M.	Shivaji	1987	Ist class	62.37%	All Compulsory
Ph.D.	Shivaji	1992	Awarded	--	Chemistry

**Title of the Ph.D. thesis**

: Studies on the formation of metal complexes with some Schiff Bases.

**Date of appointment**

:

Sr. No.	Name of College	Nature of Appointment	Date of Appointment		No. of Year/s & Month/s
			From	To	
1)	Nutan Vidyalaya, Ashti Dist. O'bad.	Assist. Teacher	1/2/1974	31/07/1977	3 yrs & 5 months
2)	Shri. D.J.Gurukul Jr.College, Solapur.	Assist. Teacher	1/08/1977	19/12/1994	17 yrs & 4 months
3)	Walchand College of Arts & Science, Solapur.	Lecturer	20/12/1994	30/11/2006	11 yrs & 11 months
04	Walchand College of Arts & Science, Solapur.	Principal	1/12/2006	Till date	4 yrs & 5 months

**Total Teaching Experience**

: 36 yrs & 10 months  
(High School & Jr. College) = 20yrs & 9 months  
Sr. College = 16 yrs & 4 months

**Awards received**

: Stood 1<sup>st</sup> in the college at B.Sc.

**Recognition as a Post-Graduate teacher,**

: For D.C.M.–1988 to 2003 = 15 yrs.  
: For M.Sc. –1990 to 1992 = 2 yrs

**Post-Graduate teaching and research**

: M.Phil. – 03 students Ph.D. – 03 students

**Research Publication/s**

: **International** publications – 10  
**National** publications – 06      **Annexure-01**

**Major thrust areas within the subject**

: \* Stability constants  
\* Thin film

**Membership of any academic body**

: List attached      **Annexure-02**

**Paper presentation at National and International Conference**

: Total – 09      **Annexure-03**

**Publication of Books**

: Total –08      **Annexure-04**

**Courses/ Workshops/ Conferences/ Seminars/ Orientation courses/ Refresher courses/ Symposia etc. attended :**

<b>Sr. No.</b>	<b>Title</b>	<b>Place</b>	<b>Date</b>
1	Analytical Instruments & their Application	Shivaji University, Kolhapur	14 to 16 Nov 89
2	Refresher Course	Shivaji University	20 Jan to 10 Feb 97
3	Refresher Course	Pune , University	22 Aug to 18 Sept 97
4	Refresher Course	Goa University Academic staff College Goa	21 July to 10 Aug 99
5	NAAC'S process of assessment & accreditation	Shri Chhatrapati Shivaji College Omerga	24 <sup>th</sup> Jan 2003
6	One day seminar on "How to face the peer team"	Kamala College, Solapur	16 <sup>th</sup> Nov 2003
7	Two Days Workshop on Revised Syllabus in Chemistry at B.Sc.-II	Walchand College of Arts & Science, Solapur.	3 <sup>rd</sup> & 4 <sup>th</sup> September 2004
8	Workshop on Revised syllabus in Chemistry at B.Sc.III	Akkalkot	
9	One day Conference of Chemistry Teachers	Solapur University, Solapur	
10	One day seminar on "Autonomy for Colleges" – Need of Hour	Solapur University, Solapur	12 <sup>th</sup> March 2005
11	National Conference on Smart Materials & recent technologies	Sri Venkateshwara University, Tirupati	Feb. 22 & 23 2007
12	National Conference on Advanced materials devices and technologies	Sri Venkateshwara University, Tirupati	20 to 22 <sup>nd</sup> Feb 2008

**College co-curricular activities** : List Attached

**Annexure-05**

**Professional and other activities** : List attached

**Annexure-06**

**Achievements** : List Attached

**Annexure-07**

**Completed research Project.**

: U.G.C Research project entitled "**Mixed (CdSe)<sub>1-x</sub> (PbSe)<sub>x</sub> Thin Films Synthesis, Properties and applications**" is being worked out.

**Place** : Solapur

**Date** :

**Dr. A. H. Manikshete**

## Annexure-01

### Research Publication/s: International

- **Synthesis and characterization of Cadmium selenide thin films**, Asian Journal of chemistry, July 2011  
A.H.Manikshete, S.G.Holikatti & R.M.Ovhal
- **Synthesis, characterization and antimicrobial activity of new cobalt (II), nickel (II) and copper (II) complexes with 2-(2-hydroxy-1, 2-diphenylethylideneamino) benzoic acid**, Inorganic Chemistry Communications article in press 10.1016/j.inoche.2011.01.016 ,  
A.H. Manikshete, S.K.Sarsamkar, S.A. Deodware, V.N.Kamble & M.R.Asabe
- **Structural, optical and microscopic studies of tungsten substituted molybdenum diselenide thin films** Journal of Alloys and Compounds, **In Press, Corrected Proof**, Available online 23 March 2010 D.J. Sathe, P.P. Hankare, A.H. Manikshete, P.A. Chate, A.A. Patil
- **Structural, optical and microscopic properties of chemically deposited Mo<sub>0.5</sub>W<sub>0.5</sub>Se<sub>2</sub> thin films**, Journal of Materials Science : Materials in Electronics, Volume 21, Number 7/ July, 2010, A.H. Manikshete
- **A novel route of synthesis of WS<sub>2</sub> thin film and its characterization** Journal of Crystal Growth, Volume 311, Issue 13, 15 June 2009, Pages 3386-3388 P.P. Hankare, A.H. Manikshete, D.J. Sathe, P.A. Chate, A.A. Patil, K.M. Gardkar
- **WS<sub>2</sub> thin films: Opto-electronic characterization** Journal of Alloys and Compounds, Volume 479, Issues 1-2, 24 June 2009, Pages 657-660, P.P. Hankare, A.H. Manikshete, D.J. Sathe, P.A. Chate, A.A. Patil, K.M. Garadkar
- **Characterization of MoSe<sub>2</sub> thin film deposited at room temperature from solution phase** - P.P. Hankare , A.A. Patil, P.A. Chate, K.M. Garadkar, D.J. Sathe, A.H.Manikshete, I.S. Mulla Journal of Crystal Growth 311 (2008) 15-19
- **Novel chemical synthetic route and characterization of tungsten diselenide thin films** – P.P.Hankare, A.H.Manikshete, D.J.Sathe, P.A.Chate and A.A.Patil J.Mat. Chem. Phy. (2008)113,183.

- **Some Electrical and Optical Studies on Bismuth Trisulphide Thin Films**, L.P.Deshmukh, K.V.Zipare, A.B.Palwe, B.R.Rane, P.P.Hankare and **A.H.Manikshete**, Solar Energy Materials and Solar Cells (North Holland) 28, 249, (1992)
- **Investigations on Surface Passivated CdS and CdS : As Bases Photoelectro Chemical (PEC) Cells**, L.P.Deshmukh, D.S.Hulle, P.P.Hankare & **A.H.Manikshete**, Proc. International Society for Optical Engineering (SPIE) Volume 1523, WA, USA.

**National:**

- **Thermodynamic Study of Complexation of Furointhiosemicarbazone and Furoin- 4 – Phenyl – 3 – thiosemicarbazone with Bivalent Metal Ions**. P.P.Hankare, R.S.Rampure, **A.H.Manikshete**, & L.P.Deshmukh, Indian. Chem. Soc. 68, 557, (1991)
- **Thermodynamic Aspects of Complexation Reactions of some Transition Metal Ions with Diacetylmonoxime – 4 – Phenyl-thiosemicarbazone** P.P.Hankare, R.S. Rampure, **A.H.Manikshete**, L.P.Deshmukh and C.K. Bhaskare, Ind. Chem. Soc. 69, 220, (1992)
- **The Stability Constants and Thermodynamic Parameters of Some Bivalent Metal Ions with N- (phenyl, and 2/3/4 carboxyphenyl) – Diacetylmonoxime in Water-Ethanol Medium**, P.P.Hankare, **A.H.Manikshete**, R.S. Rampure and L.P.Deshmukh, J.Ind. Chem. Soc. 70, 70, (1993).
- **The Stability Constants of some Bivalent Metal Ions with N-(phenyl, and 2/3/4 Hydroxyphenyl) – Diacetylmonoxime in Water - Ethanol Medium**, P.P.Hankare, **A.H.Manikshete**, R.S. Rampure and L.P.Deshmukh, J.Ind. Chem. Soc. 70, 161, (1993)
- **Synthesis, spectral and biological studies of Cr.(III), Mn(II) and Fe(II) complexes with diacetylmonoxdime**, Oriental Journal of Chemistry vol 26(2010) Page 573, **A.H.Manikshete**
- **Novel chemical synthetic route and characterization of tungsten diselenide thin films** Materials Chemistry and Physics, Volume 113, Issue 1, 15 January 2009, Pages 183-186 P.P. Hankare, **A.H. Manikshete**, D.J. Sathe, P.A. Chate, K.C. Rathod.

**Membership of any academic body**

- BOS Member (Chemistry) at Solapur University, Solapur
- Member of local Managing committee of Seth Sakharam Nemchand Jain Aushdhalaya and Rugnalaya Sanchalit Govindji Raoji Ayurvedh Mahavidyalaya and rugnalaya, - from 2001
- Chairman D.C.M. Examination Theory / Practical.
- Member of Maharashtra state Board of Secondary & Higher secondary Education., Pune region, Pune.
- Member of Tender Committee of Pune Divisional Board, Pune.
- Subject Expert & Member of Question Bank Workshop for 12<sup>th</sup> Std.
- Worked as Co-ordinator for NAAC Committee.
- Member of Jr. College teachers In-service Training Programme as a Subject Expert.
- Member of placement committee, Solapur University, Solapur as a vice chancellors nominee.
- Member of College closer committee, Solapur University, Solapur.
- Worked in the capacity of papers setter, Examiner, and Moderator for B. Sc. I /II/III Theory & Practicals.
- Worked as a paper setter for B.Sc. I Biotechnology.
- Worked as a Subject expert appointed by Solapur University, Solapur for Pandharpur College, Pandharpur and Lokmangal Biotechnology College, Vairag.

**Paper presentation at National and International Conference**

- Some studies on CdS and CdS: As bases Solar Cells, Indian J.Technology, L.P.Deshmukh, P.P.Hankare, A.H.Manikshete.
- An Electroless Deposition Process: Deposition of Silver Sulphide Thin Films L.P.Deshmukh, D.S.Hulle, K.V.Zipare, A.B.Palwe, P.P.Hankare, A.H.Manikshete. Proc. National Seminar on Solid State Chemistry and Allied Area's Institute of Science, Nagpur – 440001. M.S.(India), Jan . 28-30 (1991).
- An Electroless Method of Deposition of Bismuth Trisulphide Thin Films, L.P.Deshmukh, K.V. Zipare, A.B.Palwe, P.P.Hankare, A.H.Manikshete. Proc. National Conference on Oxide Ceramics and Technology, Department of Physics, Shivaji University, Kolhapur – 416004 M.S. (India), Feb. 21-23 (1991).
- The Stability Constants of Thermodynamic Parameters of some Bivalent Metal Ions with N- Phenyl – diacetylmonoxime, N- (2, hydroxy-phenyl)-acetylmonoxime, N-3 hydroxyphenyl)- diacetylmonoxime and N-(4, hydroxyphenyl) – diacetylmonoxime in water – ethanol medium, P.P.Hankare, A.H.Manikshete, R.S.Rampure, Indian Council of Chemists Tenth Annual Conference GOA (India) Oct., 28-30 (1991).
- Investigations of PEC Cells formed with surface passivated CdS & CdS: As photo electrodes, L.P.Deshmukh, K.V.Zipare, A.B.Palwe, P.P.Hankare, A.H.Manikshete. Conference on the Physics and Technology of Semiconductors devices and integrated circuits, I I I, Madras – 600036 (India).
- Synthesis and optical properties of chemically deposited  $(\text{CdSe})_{1-x}(\text{PbSe})_x$  thin films, A.H.Manikshete, V.S.Karande, S.G.Holikatti, R.M.Ovhal, National Conference on Smart Materials and Recent Technologies, Feb 22 to 23 2007, Sri Venkateshwara University, Tirupati (A.P.)

- Opto-Electrical and Structural properties of chemically deposited  $(\text{CdSe})_{1-x}(\text{PbSe})_x$  thin films, .H.Manikshete, V.S.Karande, R.M.Ovhal, S.G.Holikatti and V.I.Swamy, National Conference of Physics of Semoconductor Devices and Smart Materials, 22-23 December 2007, K.B.P.College, Vashi, New Mumbai.
  
- $\text{WSe}_2$  thin films : Structural and Opto-electronics Study, A.H.Manikshete, P.P.Hankare, D.J.Sathe, P.A.Chate, R.M. Ovhal and S.G.Holikatti, National Conference on Advanced Materials Devices and Technologies, Feb 20 to 22, 2008, Sri Venkateshwara University, Tirupati (A.P.)
  
- .“Synthesis and Characterization of CdSe thin films by simple chemical route”,  
A.H.Manikshete, D.J.Sathe
  - “Materials for Energy Storage and Conversion”
  - “Structural Optical Morphological Characteristics of  $\text{MoSe}_2$  Thin Films”



**List of Books Published :**

- Practical Chemistry for XI Standard.
- Practical Chemistry for XII Standard.
- Concept of Computer T.Y. B.Com. (Shivaji University) Marathi and English Medium.
- Computer Concepts and Programming (Poona University)
- Chemistry XII by Manan Prakashan, Mumbai (H.S.C. board Sanctioned book) in the year 2000.
- Textbook of Chemistry B.Sc.II Paper III and IV ( Narendra Prakashana)
- Chemistry XI book published by Navnidhi Prakashan, Pune in the year 2006.
- Chemistry XII book to be published by Navnidhi Prakashan, Pune in the year 2007.

**College co-curricular activities:**

- Worked as a Co-ordinator for U.G.C. sponsored seminar on –  
**“Microscale Experiments in Chemistry”** 7<sup>th</sup> to 9<sup>th</sup> Sept. 2000
- Worked as a member of organising committee for U.G.C.on-  
**“Spectroscopic Methods in Organic Chemistry”** 3<sup>rd</sup> to 5<sup>th</sup> Jan. 2002.
- Worked as a programme officer for U.G.C. Sponsored seminars on **“Separation Techniques in Inorganic Chemistry”** from 4<sup>th</sup> to 6<sup>th</sup> Jan. 2003.
- Worked as a Committee Member for U.G.C. sponsored workshop conducted by WRIC & Walchand College of Arts & Science, Solapur on-  
**“Maintenance of Opto-Analytical Instruments”** from 18<sup>th</sup> to 23<sup>rd</sup> Aug. 2003.
- Worked as a Co-Ordinator for Two days workshop on **“ Revised syllabus of Chemistry at B.Sc. –II”- 2005.**
- Worked as a Organizing Secretary for Two days National seminar on **“Resent Trends in Thin Film Technology-2008.**
- Worked as a Organizing Secretary for Two days National seminar on **“Nanomaterials and its applications. (NAMA-2011)**
- Participation in Discussion on Draft Syllabus of B.Sc. I & U.G.C Model Curriculum.
- Incharge Of Department of Computer Science.
- Worked as a Co-ordinator for SET Examination - 2 years.
- Worked as a Co-ordinator in College – NAAC 2004.
- Worked as Chief Co-ordinator of Workshop Two Days Workshop on Revised Syllabus in Chemistry at B.Sc.-II
- worked as a Co-ordinator for preparatory programme for **“Colleges with Potential for Excellence”-UGC in College – Feb. 2005**
- Attended a National Conference of NAAC at Jalgaon.
- Worked as a Chairman for PGDCA Examination.
- Worked as a Paper setter for B.Sc. I Examination.
- Worked as a Co-ordinator of workshop one-day workshop in Chemistry.

## Annexure-06

### Professional and other activities

- Worked as a Examiner, Moderator & Chief moderator, Paper Setter at H.S.C. Examination 1977 to 1995
- Worked in the Capacity of Subject Expert in panel inspection from 1980 to 1994
- Training program of Population education, Solapur from 17<sup>th</sup> Dec to 19<sup>th</sup> Dec 1985.
- Active participation in Indian Council for International Amity affiliated to FIOCES – UNESCO
- Active participation in Maharashtra Rajya Mini Marathon
- Active participation in Blood Donation Camp.
- Computer course for class project of N.C.E.R.T. New Delhi organised at Walchand College of Engineering, Sangli from 13<sup>th</sup> June to 2<sup>nd</sup> July 88.
- Worked as a President for Jr. College Teachers Federation Solapur district Yr. 1990-91
- Active involvement in Rashtriya Ekatmata & Samata Jyot.
- Participated in 14<sup>th</sup> Marathi Parishad & Vidnyan Lekhakh Melava at IUCCA at Pune 93-94.
- Worked in the capacity as an examiner for Dist. level Science. Exhibition.
- Guest lecturer for computer Mathematics, 9<sup>th</sup> std., conducted by Z.P. Solapur for Solapur city, Akkalkot, South and North Solapur & Pandharpur.
- Guest lecture delivered at Dayanand College of Education, Solapur on 6<sup>th</sup> Feb 1998 for librarians.
- Worked as Vigilance squad member for S.S.C. & H.S.C. board examination, Co-ordinator for Vidnyan Manch, Solapur district.
- Councillor for IGNOU.
- Worked as a member of Time-table & Approval Committee.
- Worked in the capacity of District Chief Conductor for H.S.C. Examination.

- Worked in the capacity
- Active participation in computer field for awareness in common people. (51-lectures)
- Worked as Co-Ordinator for Higher Secondary teachers for In-service training programme – 8 may to 19 may 2000.
- Working as Visiting Lecturer for Remedial courses
- Prepared Shivaji University Chemistry teachers directory.
- Committee member of Shri 1008 Bhagwan Bahubali Jain temple, Solapur.
- Committee member of Digamber Jain temple chakur, Tal. Omerga Dist - O'bad.
- As a Subject Expert For Jr. College Teachers In-Service Training Programme.
- Recongnised as a guide for Ph.D. and M.Phil. students, for Solapur University, Solapur and Yashwantrao Chavan Maharashtra Open University, Nashik
- Member of Selection Committee for the recruitment at Zilha Parishad, Solapur
- Worked as Subject Expert at Shanti Education Society, Solapur.

**Achievements**

- “Ideal Teacher Award” By Rotary Club, Solapur
- “Ideal Teacher Award” By Lion’s Club, Solapur
- “Selfless Service Award” By S.A.P.D. Jain Pathashala’s Co-operative Society,  
Solapur