

**Department of Chemistry.**

Name: Dr. Jayavant Trimbak Deshmukh



Designation: Assistant Professor

Date of Birth: 15/02/1968

Contact Number: 9604026357 , 9421111791

E-mail address: jtdesh@gmail.com

Qualification: M.Sc. B.Ed. Ph.D.

Subject Specialization: Inorganic Chemistry.

Experience:

Teaching: Undergraduate: 05 Years. Post graduate: 05 Years.

Research: 'Preparation, Characterization and Photoelectrochemical studies on Pseudo-binary II-VI group metal chalcogenide thin films.'

Publications:

International: 1. "Synthesis, Characterization and study of some of the properties of Zn<sub>1-x</sub>Hg<sub>x</sub>Te Thin films"

J.T.Deshmukh , Anjali Rajbhoj, V.M.Bhuse, S.T.Gaikwad.

Scholars Research Library 2011 , 3 (4) 440-449 ISSN No 0975-508X code (USA)AASRC9 .

2 .. "Photoelectrochemical Properties of Zn<sub>1-x</sub>Hg<sub>x</sub>Te thin films."

J.T.Deshmukh, Anjali Rajbhoj. V.M.Bhuse.

Scholar Research Library 2012, 4(5) 323-331 ISSN No 0975-508X U.S.A.

3“Synthesis and Molecular Docking Study Of Bioactive Quinolino-benzimidazole Derivatives”

J.T. Deshmukh,N.J.Deshmukh,M.C.Mandewale.

International Journal of Pharmaceutical Sciences and Research.

IJPSR,2020 Vol 11 (1) 445-450 E-ISSN; 0975-8232; P- ISSN 2320-5148. Jan.2020.

4. ‘Structral, Optical and Electrochemical Properties of Zn<sub>1-x</sub>Hg<sub>x</sub>Te Thin Films”.

International Conference on Advances in Chemical Sciences 2018. Organised by Department of Chemistry, Shivaji University, Kolhapur. On 1<sup>st</sup> -3<sup>rd</sup> Feb 2018.

5. “The Synthesis of new Derivatives of Amino-Pyrano thiazole-Caronitrile by using Ionic Liquid as a catalyst

Virtual International Conference on “INTERDISCIPLINARY APPROACHES IN CHEMICAL SCIENCES (IACS-2021)” Organised by Department of Chemistry,M.E.S.’s Abasaheb Garware College, Pune on 21<sup>st</sup>—23<sup>rd</sup> October 2021. (Paper presentation)

National:..1) ” A New Chemical Route.to grow Zn<sub>1-x</sub>Hg<sub>x</sub>Te (x= 0 to 1) Thin films.”

J.T.Deshmukh. (Oral Paper presntation)

National Conference on “Advances in Material Chemistry at Dr.Babasaheb Ambedkar Marathwada University, Aurangabad on 28<sup>th</sup>-29<sup>th</sup> January 2011”

2 “Characterization of Nano-Crystalline ZnTe Thin films prepared using a simple solution

Growth technique.” J.T.Deshmukh. (Poster Presentation)

“Advances in Synthetic Methodologies and New Materials.” On 21 -22 January 2011 at Department of Chemistry , Shivaji University, Kolhapur.

3. “Synthesis and Molecular Docking Study of Bioactive Quinolino-Benzimidazole derivatives as Potential Antimicrobial Agents”

National Conference on Recent Trends in Chemistry Material Sciences (R.T.C.M.S.) held on 9<sup>th</sup> Feb.2019.

State level:

Text Books / Reference book: All in One Chemistry for 12<sup>th</sup> Standard

Nirali Publications, Pune. June 2005.

Projects:

Sr. No	Title	Funding agency	Duration	Status

Research Work Guidance-

1. Two M.Sc. Research Students complete their Research Projects to Mumbai University, Mumbai. and Publish their work in International Journal in Academic year 2018-2019.
2. Three M.Sc. Research Students complete their Research Projects to Mumbai University, Mumbai. and Publish their work in International Journal in Academic year 2019-2020.