

Department of Chemistry

Name: **Dr. A. S. Khomane**

Designation: Associate Professor in Chemistry

Date of Birth:

Contact Number:

E-mail address: ashok_khomane@rediffmail.com

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

Subject Specialization: Organic Chemistry

Experience: 20 Years

Teaching: Undergraduate: 20 Years Post graduate: 04 Years

Research: 13 Years

Publications: 15

International: 14



Sr No	Authors & Coauthors	Year	Title	Journal	Detail of publication
1	Bhuse.V,M. Hankare P.P. Garadkar K.M Khomane A S	2003	A new convenient low temperature route to grow polycrystalline copper selenide thin films.	Materials Chemistry and Physics.	80(1), 82-88.
2	Hankare P.P Jadhav A. D Bhuse.V,M. Khomane A S Garadkar K.M	2003	Chemical deposition of Thallium doped Cadmium selenide thin films and their characterization	Materials Chemistry and Physics.	80(1), 102-107.
3	Hankare P.P Delekar S.D Asabe M.R. Chate P.A.. Bhuse.V,MK homane A S	2006	Synthesis of cadmium selenide thin films at low temperature by simple chemical route and their characterization	Materials Chemistry and Physics.	67(12), 2506-2511.
4	Hankare P.P	2009	Preparation of copper selenide thin	Journal of Alloys	469,

	Khomane A SChate P.A. Rathod K.C. Garadkar K.M		films by simple chemical route at low temperature and their characterization	And Compounds	478-482.
5	A.S.Khomane , P.P.Hankare	2010	Structural, optical and electrical characterization of chemically deposited CdSe thin films	Journal of Alloys And Compounds	48, 605-608.
6	A.S.Khomane	2010	Morphological and opto-electronic characterization of chemically deposited cadmium sulphide thin films.	Journal of Alloys And Compounds	496, 508-511.
7	A.S.Khomane	2010	Structural, morphological and optical properties of nanocrystalline cadmium selenide thin films	Journal of Alloys And Compounds	506, 849-852.
8	A.S.Khomane	2011	Structural and optical characterizations of chemically deposited cadmium selenide thin films.	Materials Research Bulletin	46, 1600-1603
9	A.S.Khomane	2011	Crystallographic, morphological, optical and electrical properties of CBD deposited cadmium sulphide thin films.	Scholars research library, Achieves of Applied Science Research	3(5), 273-279.
10	A.S.Khomane	2013	Crystallographic and microscopic properties of ternary CdS _{0.5} Se _{0.5} thin films.	Optik	124, 2432- 2435.
11	A.S.Khomane	2012	Synthesis and characterization of chemically deposited CuSe thin films.	Achieves of Applied Science Research	4(4), 1857-1863.
12	V.J. Sawant, D.A.Lavate, A.S.Khomane	2017	Consequences of air annealing on structural, optical and refractive properties of CdSe thin films.	Journal of Emerging Technologies and Innovative Research	4(8) 409-417.
13	V.J. Sawant, D.A.Lavate, A.S.Khomane	2019	Photodegradation of Rhodamine-B under natural sunlight using CdS _x Se _{1-x} chalcogenides.	Journal of Emerging Technologies and Innovative Research	6(4), 6-10.

14	D.A.Lavate, V.J. Sawant, A.S.Khomane	2020	Synthesis, Characterization and Catalytic properties of Zinc oxide nano particles for treatment of wastewater in presence of natural Sunlight.	Chemical papers	74, 879–885.
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National: 01

Sr No	Authors &Coauthors	Year	Title	Journal	Detail of publication
1	V. J. Sawant, D.A. Lavate , A.S. Khomane	2020	Cadmium sulfide decorated with carbon nanoparticles from peanut shells: An efficient photocatalyst	Indian Journal of Chemistry-A	59A, 1084-1091.

State level: Nil

Text Books / Reference book: Nil

Projects: Nil

Sr. No	Title	Funding agency	Duration	Status

Awards: Nil