

Name: Dr. Anamika V. Kadam

Publication Details:

Total Citations (2007-2018) = 386

B) Published Papers in Reffered journals:

1. Polyaniline globules as a catalyst for WO₃ nanoparticles for supercapacitor application, AV Kadam, SB Patil, Materials Research Express 5 (2018), 085036
2. N Y Bhosale, Sawanta S. Mali, Chang K. Hong, Anamika V. Kadam,” Hydrothermal synthesis of WO₃ nanoflowers on etched ITO and their electrochromic properties”, Electrochimica Acta, 246 (2017) 1112–1120.
3. **AV Kadam**, “Propylene glycol-assisted seed layer-free hydrothermal synthesis of nanostructured WO₃ thin films for electrochromic applications”, Journal of Applied Electrochemistry, 47(2017) 335-342.
4. NY Bhosale, AV Kadam, Effect of etching on current and optical density for WO₃ thin film, International Journal of Engineering Research and Technology, 10 (2017) 573-577.
5. NY Bhosale, **AV Kadam**, “Superior Electrochromic Performance of Tungsten Oxide Embedded with Polypyrrole”, IJIRST -International Journal for Innovative Research in Science & Technology, Volume 3, Issue 04, September 2016, 106-110.
6. Digambar K. Gaikwad, Sawanta S. Mali, Chang K. Hong, **Anamika V. Kadam**, “Influence of disordered morphology on electrochromic stability of WO₃/PPy”, Journal of Alloys and Compounds 669 (2016) 240-245.
7. AI Inamdar, **AC Sonavane**, SM Pawar, YoungSam Kim, JH Kim, PS Patil, Woong Jung, Hyunsik Im, Dae-Young Kim, Hyungsang Kim, “Electrochromic and electrochemical properties of amorphous porous nickel hydroxide thin films”, Applied Surface Science, 257(2011)9606-9611.
8. **AC Sonavane**, AI Inamdar, DS Dalavi, HP Deshmukh, PS Patil , “Simple and rapid synthesis of NiO/Ppy thin films with improved electrochromic performance”, Electrochimica Acta 55 (2010) 2344–2351.
9. **AC Sonavane**, AI Inamdar, PS Shinde, HP Deshmukh, RS Patil, PS Patil, “Efficient electrochromic nickel oxide thin films by electrodeposition”, Journal of Alloys and Compounds 489 (2010) 667–673.
10. **AC Sonavane**, AI Inamdar, HP Deshmukh, PS Patil, “Multicoloured electrochromic thin films of NiO/PANI”, J. Phys. D: Appl. Phys. 43 (2010) 315102 (8pp).
11. AI Inamdar, **AC Sonavane**, SK Sharma, Hyunsik Im, PS Patil, “Nanocrystalline zinc oxide thin films by novel double pulse single step electrodeposition”, Journal of Alloys and Compounds, Volume 495, Issue 1, 9 April 2010, 76-81.

12. AI Inamdar, SH Mujawar, SB Sadale, **AC Sonavane**, MB Shelar, PS Shinde, PS Patil, “Electrodeposited zinc oxide thin films: Nucleation and growth mechanism”, Solar Energy Materials & Solar Cells 91 (2007) 864–870.
13. MM Uplane, SH Mujawar, AI Inamdar, PS Shinde, **AC Sonavane**, PS Patil , “Structural, optical and electrochromic properties of nickel oxide thin films grown from electrodeposited nickel sulphide”, Applied Surface Science,253(2007)9365-9371.
14. **A.V. Kadam** A.A. Kulkarni, S.S.Tupe, Development of Electrochromic Device Based on Electrodeposition and Chemical Bath Deposition for Nickel Oxide Thin Films Doped with Efficient Multichromatic Polymers, International Journal of Latest Trends in Engineering and Technology (IJLTET), 2 (2013) 258-264

C) Publications with peer review process:

1. D.K. Gaikwad, **A.V. Kadam**, Hydrothermal synthesis of tungsten oxide nanorods and nanobricks, Science Park Research Journal, ISSN: 2321-8045, 29-30 January 2015 (Poster presentation received 2nd Prize).
2. D.K. Gaikwad, **A.V. Kadam**, Synthesis of uniform WO₃ nanobricks via Hydrothermal Process using Ammonium Sulphate, Proceedings of 5th national conference on emerging trends in engineering, technology and architecture, ISBN 978-81-920561-6-6, 24th January 2015.
3. **A.V. Kadam**, Hydrothermal synthesis of tungsten oxide nanorods, conference proceeding (ISBN 978-81-928717-2-1), International Conference on Advanced and Applied Material Science (ICAAMS-2014), 15th -16th, January 2014.
4. A.A. Kulkarni, **A.V. Kadam**, Improved divergence of LASER beam using nanostructured NiO thin films, Proceedings of national conference on emerging trends in engineering, technology and architecture, (NCETETA 2014), 25th January, 2014.
5. **A.V. Kadam**, Development of Electrochromic device for nickel oxide thin films doped with efficient multichromatic polymers, A.V. Kadam, page 289, ISBN 978-81-920561-2-8, Proceedings of national conference on emerging trends in engineering, technology and architecture, (NCETETA 2013), 29th January, 2013 (**Oral presentation received 1st Prize**).
6. **A.V. Kadam**, Simple and rapid synthesis of NiO/PPY thin films, page 618, ISBN 978-81-920561-2-8, Proceedings of national conference on emerging trends in engineering, technology and architecture, (NCETETA 2012), 28-29th January, 2012 (**Oral presentation received 1st Prize**).
7. H. P. Deshmukh, **A. C. Sonavane**, A. I.Inamdar, P. S. Patil, “Multicolored Electrochromic NiO/PANI thin films”, IUMRS-ICA-2011, 12th International Conference in Asia, 19-22nd Sept 2011.
8. **A C Sonawane**, D S Dalavi, H P Deshmukh, P M Kadam, P. S. Patil, “Multicoloured chromogenic coatings of organoinorganic materials”, National seminar on Preparation of nanomaterials and their applications, Feb 20-22, 2010

9. **A.C. Sonavane**, “Multicolored EC thin films of NiO/PANI for ECD applications”, Commercialization of Renewable Energy Technology, Oct.21-23; 2009. (**Oral presentation received 3rd Prize**)
10. D S Dalavi, D S Patil, R S Patil, P R Jadhav, **A C Sonawane**, P. S. Patil, “Synthesis and characterization of Prussian blue/Ppy composite thin films for smart windows”, International workshop on Nanotechnology and Advanced Functional Materials, NCL,Pune, July 9-11,2009.
11. **A.C. Sonavane**, A.I. Inamdar, H.P. Deshmukh, R.S. Patil, P. S. Patil, “Electrochromic performance of nickel oxide /polyaniline composite films”, International Conference on Nanomaterials for Advanced Applications (ICNAMA-2008).
12. **A.C.Sonavane**, H.P.Deshmukh, A.I.Inamdar, S.H. Mujawar, P. S. Patil, “Anodic Electrochromism in Electrodeposited Nickel Oxide Thin Films via Aqueous Chloride Route”, International Conference on Advanced Materials and Applications 15-17 Nov.2007
13. M.M.Uplane S.H. Mujawar, A.I. Inamdar, **A.C. Sonavane**, P.S. Patil, “Electrochromism in Electro synthesized NiO Thin Films”, National Seminar on New horizons in Physics-20-22 Jan 2007
14. M.M.Uplane, S.H.Mujawar, A.I.Inamdar, **A.C.Sonavane**, P. S. Patil, “Structural, Optical and Electrochromic properties of Nickel Oxide thin Films”, Materials for Energy Generation, Conversion and Storage, MRSI,12-14 Feb.2007.
15. A.I.Inamdar, S.H.Mujawar, **A.C.Sonavane**, S.P.Shinde, M.B.Shelar, P. S. Patil, “Growth Mechanism and Properties of Electrodeposited Zinc Oxide Thin Films”, National Seminar on Materials for Advanced Technologies (NASMAT-2006)

D) Publications without peer review process:

1. S. B. Shikalgar, N. A. Sonune, M. M. Kshirsagar, P. A. Khandekar, D. K. Gaikwad, **A. V. Kadam** “Effect of electrolytes on electrochromic behaviour of WO₃ thin films”, Presented a poster at International Conference on “Emerging Trends In Basic and Applied Sciences (ETBAS 2015)” Organized by “Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti
2. **A.C. Sonavane**, “Multicolored electrochromic thin films of NiO/PANI”, (Oral Presentation), Advances in Synthetic Methodologies and New Materials, Jan 21-22,2011
3. D.K. Gaikwad, **A.V. Kadam**, Hydrothermal synthesis of tungsten oxide nanorods and nanobricks, UGC sponsored national conference on Material synthesis for device level applications (MSDLA-2015),29-30 January 2015 (**Poster presentation received 2nd Prize**).

E) Subject Books published by State level with ISBN/ ISSN No.

Sr. No.	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Whether peer reviewed	Author's Name
1.	Engineering Physics	Text Book	Pearson ISBN: 978-81-317-6393-3	Peer reviewed	Dr. A.V. Kadam,

					Nityanand Choudhary
2.	Engineering Physics	Text Book	Techmax ISBN:978-93-5077-350-5	Peer reviewed	Dr. M.P. Ghatule, Dr. Mrs. Anamika V. Kadam

Research Projects:

Sr. No.	Title	Agency	Wheather PI/Co-PI	Grant/Amount Mobilized (Rs. Lakh)	Year of operation
1.	Hydrothermally grown nanostructured tungsten oxide thin film for smart window	Science and Engineering Research Board (SERB)	PI	Rs. 21.55 Lakh	2014-2017
2.	Electrodeposition of stable nanostructured tungsten oxide (WO ₃) electrochromic films	Shivaji University, Kolhapur	PI	Rs. 25,000/-	2014-2015
3.	Minimization of cell phone radiations on cancer, heart attack risk	Sakal India Foundation	PI	Rs. 80,000/-	2018-2019

Honours/Awards:

1. OKA research fellowship from Sakal India Foundation -2018-19
2. Young Scientist Fellowship-DST SERB-2014-2017
3. Worked as speaker and moderator in an International Conference on Material Science and Engineering during 13-15 Nov, 2017 in Las Vegas, USA.
4. Received 1st Prize in paper presentation of national conference on emerging trends in engineering, technology and architecture-2012
5. Received 1st Prize in paper presentation of national conference on emerging trends in engineering, technology and architecture-2013
6. Received 3rd prize in paper presentation of CRET 2009
7. Received 2nd prize in poster presentation of MSDLA-2015.
8. Junior Research Fellow (JRF) on DAE-BRNS major research project from 19 Jan. 2015 to 31 March 2016.
9. **First prize for best presentation in the International Conference on Emerging Trends in Engineering, Technology and Architecture (iCETETA-2017).**