


<p><b>Name and Designation:</b>  <b>Dr. Balaprasad Ankamwar</b>  Associate Professor,  <b>Bio-inspired Materials Science Laboratory,</b>  <b>Department of Chemistry</b>  <b>Ganeshkind, University of Pune,</b>  <b>Pune-411007.</b>  <b>Phone:+91 20 25601397 Ext. 533</b>  <b>Fax: +91 20 25691728</b>  <b>E-mail: bgankamwar@chem.unipune.ac.in</b>  <b>bankamwar@yahoo.com</b></p>	 <p><b>Editorial Board Member:</b>  <b>1. American Journal of Materials Science and Engineering, USA.</b>  <b>2. International Journal of Environmental Engg. and Management (IJEEM),</b>  Research India Publications. Head Office: B-2/84, Rohini Sector-16, Delhi-110 089 (INDIA) Phone No.: +91-11-65394240 • Fax: +91-11-27297815  <b>3. Guest Editor</b> of “International Journal of Electrochemistry” for Special Issue on “Impact of Nanomaterials and Surface-Enhanced Raman Spectroscopy (SERS) in Electrochemical Research”  <b>Publisher:</b> Hindawi Publishing Corporation, 410 Park Avenue, 15th Floor, #287 pmb, New York, NY 10022, USA.</p>
<p><b>Academic Background:</b></p> <ul style="list-style-type: none"> <li>• Research Guide Chemistry and Biotechnology (M. Phil and Ph.D.), University of Pune, Pune-411007.</li> <li>• M. Sc., Ph. D. in Chemistry</li> </ul>	<p><b>Professional Experience:</b></p> <ul style="list-style-type: none"> <li>• Post Doctoral Fellow (PDF) National Taiwan University Taipei, in Collaboration with Genomics Research Center, Academia Sinica, Taipei, Taiwan (2006-2007).</li> <li>• Nano Research at National Chemical Laboratory, Pune, (2003-2006)</li> <li>• Indian Academy of Sciences Teacher Fellowship, Bangalore (2004)</li> <li>• Senior Lecturer, Abasaheb Garware College Pune, (1999-2009).</li> <li>• Associate Professor, Dept. of Chemistry, University of Pune, Pune.</li> </ul>
<p><b>Research Interests:</b></p> <ol style="list-style-type: none"> <li>1. Bio-synthesis of nanomaterials and their applications as sensors, biocompatibility for cancer therapy</li> <li>2. Biomineralization, crystal growth. 3. Synthesis of graphene, conducting metal nanocomposites and semiconductor nanomaterials and their applications. 4. Nano Catalysis.</li> </ol>	
<p><b>Research Group:</b> 1- DBT-TWAS Post Doctoral Research Fellow from Nigeria Dr. Musibau and NAM S &amp; T Post Doctoral Visiting Scientist (Tunisia); 3- Ph.D., 4- M.Phil.. students are working at present in our group.</p>	
<p><b>Awards and Fellowships:</b></p> <ol style="list-style-type: none"> <li>1. <b>Distinguished Best Researchers and Academicians Award</b>, Eco-Revolution -2012, Colombo, Sri Lanka International Conference on Environment and Humanity August 18-20, 2012.</li> <li>2. <b>Post Doctoral Fellow</b> (National Taiwan University, Taiwan) in collaboration with Genomics Research Center, Academia Sinica, Taipei, Taiwan (2006-2007).</li> <li>3. <b>Indian Academy of Sciences, Teacher Fellowship</b>, Bangalore, India (2004).</li> <li>4. <b>Third Prize in poster presentation for the poster entitled “Exploiting natural resources for nanoscale” in the 3<sup>rd</sup> International Conference Natural Polymers, Bio-Polymers, Bio-Materials their Composites (ICNP- 2012)</b> recently organized by Center for Nanoscale and Nanotechnology, M G. University, Kottayam-686560, Kerala, India’ and ‘Beijing University of Chemical Technology (BCUT) Beijing, China’, held at ‘Center for Nanoscale and Nanotechnology, Mahatma Gandhi University, Kottayam- 686560, Kerala, India from 26<sup>th</sup> to 28<sup>th</sup> October 2012</li> <li>4. <b>Best Student of the Year Award</b> (1993-94).</li> </ol>	
<p><b>Remarkable Achievements:</b></p> <ol style="list-style-type: none"> <li>1. We reported the new protocol in the world prestigious journal <i>Nature Materials</i> (NATURE PUBLISHING GROUP, UK; <b>Impact Factor: 35.7; Citation at present - 841</b>) in July 2004 issue, that the extract from Lemon grass (<i>Cymbopogon flexuosus</i>) plant when reacted with aqueous Au<sup>3+</sup> ions yields a high percentage of thin, flat, single crystalline gold nanotriangles in single step; can be used as STM conductive tips and hyperthermia of tumors.</li> <li>2. Biocompatibility of Fe<sub>3</sub>O<sub>4</sub> nanoparticles evaluated by <i>in vitro</i> cytotoxicity assays using normal, glia and breast cancer cells was published (2010) in International Journal “Nanotechnology” <b>Factor: 3.842; Citation -57</b></li> </ol> <p><b>Total citation of all papers ~ 1435</b></p>	
<p><b>Selected Research Publications</b></p> <ol style="list-style-type: none"> <li>1. <b>Balaprasad Ankamwar, M.D. Bhand, G.S. Gokavi* , Tran. Metal Chem., 18 (1993) 361. Citation –1</b></li> <li>2. S. Shiv Shankar , Akhilesh Rai , <b>Balaprasad Ankamwar</b>, Amit Singh, Absar Ahmad and Murali Sastry* <i>Nature Materials</i>, 3 (2004) 482-488. <b>Impact Factor: 35.749; Citation at present - 841).</b></li> <li>3. <b>Balaprasad Ankamwar</b> Chinmay Damle, Absar Ahmad and Murali Sastry* <i>J Nanosci. Nanotech.</i>, 5 (2005) 1665-1671. <b>Citation – 261.</b></li> </ol>	

4. **Balaprasad Ankamwar**, Meenakshi Chaudhary and Murali Sastry\*. *Syn. React. Inorg. Metal Org. Nano-Metal Chem.*, 35 (2005) 19-26. **Citation –222.**
5. **Balaprasad Ankamwar**, Tsung-Ching Lai, Jing-Hong Huang, Ru-Shi Liu\*, Michael Hsiao, Chung-Hsuan Chen, Y K Hwu, *Nanotechnology* 21 (2010) 075102 (9pp). **Factor: 3.842; Citation – 57.**
6. **Balaprasad Ankamwar\***, et. al. *E- J Chem.*, 6(S1) (2009) S225- S234.
7. **Balaprasad Ankamwar**, *E- J Chem.*, 7 (2010) 1334. **Citation – 46.**
8. **Balaprasad Ankamwar\*** et al. , *Digest J Nano Biostruct.*, 7(2),April-June (2012) 599-605. **Citation – 3.**
9. **Balaprasad Ankamwar**, *J Nanosci. Nanotech.*, 11 (5) (2011) 3997-4003. **Citation – 1.**
10. Gopa Mandal, Amrita Chakraborty, Ujjal Kumar Sur, **Balaprasad Ankamwar\***, Asish De, Tapan Ganguly\* *J Nanosci. Nanotech.*, 12 (2012) 1-10. **Citation – 2.**
11. Usha Raghawan, **Balaprasad Ankamwar**, Murali Sastry, **International Journal of Computer Science and its Applications**, 2(3) (2012) 11-13.
12. **Balaprasad Ankamwar\***, Ashwini Thorat *Journal of Chemistry*, 2012 .
13. Gunjan Kodwani, Farah Surti, **Balaprasad Ankamwar\***, *Nanoscience and Nanotechnology: An Indian Journal* 6(4) (2012) 145-150..  
**Balaprasad Ankamwar\***, Farah Surti, *Chem. Sci. Trans.* 1 (3) (2012) 500-507.
15. **Balaprasad Ankamwar**, *Inter. J. Drug Formul. Res.*, 2 (4) (2011) 225-231.
16. **Balaprasad Ankamwar**, *Nanoscience and Nanotechnology: An Indian Journal*, 5 (2011) 131-134.
17. Ujjwala Gaware, Vaishali Kamble, and Balaprasad Ankamwar\*, *International Journal of Electrochemistry*, (2012). **C – 1.**
18. K. Vaishali, **B. Ankamwar\***, *Adv. Sci. Eng. Med.* 6 (3), (2014) 343-348.
19. **Balaprasad Ankamwar**, *Bionano Frontier*, Special Issue-9, Eco-Revolution-2012, Colombo, Sri Lanka, 207-210
20. **Balaprasad Ankamwar**, *Bionano Frontier*, 4(1) (2011) 20-22.
21. **Balaprasad Ankamwar**, *Bionano Frontier*, 2010, special issue,181-183.
22. Vaishali Kamble, Gunjan Kodwani, Ramdoss Sridharkrishna and Balaprasad Ankamwar\* *Advances in Nano Research*, 2(2) (2014) 111-119. IF: Awaited; C: Just accepted.

#### **Publications in National/ International Conferences/Seminars/ Magazines**

1. “Biosynthesis of anisotropic gold nanoparticles” published in National Conference on ‘Frontiers in Physical, Chemical and Biological Sciences’ Ankamwar et al. pp. 97-98, Oct. 4-6, 2013, Dept. of Chem.UoP, Pune [ISSN:2322-5997].
2. “Synthesis of cadmium sulphide nano/micro particles by co-precipitation method” published in National Conference on ‘Frontiers in Physical, Chemical and Biological Sciences’ Ankamwar et al. pp. 97-98, Oct. 4-6, 2013, Dept. of Chem.UoP, Pune [ISSN:2322-5997].
3. “Solar Energy and Its Applications: An Overview” National Conference on ‘Emerging Trends in Solar Technology’, pp 18-23, Jan. 5, 2013 organized by V.P.M’s Polytechnic, Thane [ISBN:978-93-81583-75-3].
4. “Fabricating solar energy convertor using hybrid nanocomposites”, Ujjal Kumar Sur, Balaprasad Ankamwar\*, Tapan Ganguly\* *Nano Digest*, 4(1), June (2012) 36-37. Personality News published in “Nano Digest” India’s Premier Magazine in Nanotechnology.
5. “Exploiting Nature at Nano-scale”, Balaprasad Ankamwar, *Nano Digest*, 3(9), February (2012) 14-15.
6. “A Glimpse of the amazing Nanoworld” pp. 9-13, Innovation In Science Pursuit for Inspired Research (INSPIRE) held from Dec. 26-30, 2011. at Peth Vadgaon, Kolhapur [ISBN: 978-81-906689-5-8].
7. “Applications of nanomaterials in Electronics: An Overview’ Balaprasad Ankamwar, National Conference organized on “The Physics Behind Electronics/ Optoelectronics and Their Application” by Department of Physics, Sammilani Mahavidyalaya, Baghajatin Station/E.M. Bypass, Kolkata-700094 sponsored by University Grants Commission(UGC), New Delhi, co-sponsored by *Board of Research in Nuclear Sciences* (BRNS), Department of Atomic Energy, New Delhi and Indian Association for Cultivation Sciences (IACS), Kolkata in collaboration with Centre for Pedagogical Studies in Mathematics (CPSM). [pages: 52-61, 2011; ISBN: 978-81-922836-0-9].
8. “Biosynthesis of nanoparticles: An overview of their technological applications’ pp 88-94, Balaprasad Ankamwar, published in National Symposium on “Trends in Nanoscience and Related Areas” organized by Department of Chemistry, Behala College, Kolkata-60, in collaboration with Indian Association for the Cultivation Sciences, Kolkata and Co-sponsored by Indian Chemical Society, Kolkata [pages: 88-94, 2010].

#### **International Publications: Review Article and Article in a Book:**

1. Article published entitled “Natural Bio Resources: The Unending Source of Nanofactory” for the book “Biomaterial Applications: Macro to Nanoscale” ISBN 9781771880275; Book Edited by: Sabu Thomas, Nandakumar Kalarikkal, Weimin Yang and Snibdha S. Babu, Publisher: Apple Academic Press, 9 Spinnaker Way, Waretown, NJ 08758, USA (2014).

2. **Balaprasad Ankamwar**, 'Biosynthesis of Nanoparticles and their Applications' review article published in a book titled "Recent Trends in Nanoscience and Nanotechnology" by VDM, Verlag Publisher, Germany (2010). ISBN: 978-3-639-24819-7.

3. **Balaprasad Ankamwar** "Size and shape effect on biomedical applications of nanomaterials" published an article online for the book entitled "Biomedical Engineering-Technical Applications in Medicine" ISBN 979-953-307-829-7; Book edited by: Ing. Radovan Hudak, Slovakia, Publisher: InTech Europe, University Campus, STeeP Ri Slavka Krautzeka 83/A 51000 Rijeka, Croatia (2012)

**Monographs (2): Balaprasad Ankamwar**, VDM Verlag Publisher Germany, published two monographs entitled 'Biosynthesis: An Eco-Friendly Approach of Nanomaterial Synthesis Chemical and Biomedical Applications: Vol.- I ISBN:978-3-639-26168-4 and Vol. II- ISBN:978-3-639-28228-3' (2010).

**Oral Presentation: International Conference**, Abasaheb Garware College, Pune, India-4(2010).

**Invited Talk: International Conference: Eco-Revolution 2012, Colombo, Sri Lanka ( August 18-20, 2012)**

**National Conferences** Akola (2010) and Kolkata (2010 & 2011), Thane- (2012 & 2013) **State Conference** Sangli (2011,2013)

**DST, INSPIRE Camp invited talks**, Ambajogai (2010, 2012), Shevgaon, (2011), Peth Vadgaon (2011) Latur (4 talks: June 2012), Sangli (1 talk: August 3, 2012) . Satara (January, 2013)

**Invited Talks at I.B.B.**, Univ. of Pune (2010). Himachal Pradesh University, Shimla (2007).

**In Refresher Course:** ACS Nashik (2011), Pune (2011 and 2012)

**External Referee** in DST sponsored Model Exhibition INSPIRE Camps, Katani, Madhya Pradesh (2010 and 2011), Newase Nagar (2011), Mahilashram College Pune(2011), KTHM College Nashik(2011), Prerna College Nigadi, Pune-2012.