


<p><b>Name and Designation:</b>  <b>Dr. Balaprasad Ankamwar</b>  Associate Professor,  <b>Group Leader, Bio-inspired Materials Science Laboratory,</b>  <b>Department of Chemistry</b>  <b>Ganeshkind, University of Pune,</b>  <b>Pune-411007.</b></p>	 <p><b>Editorial Board Member:</b> International Journal of Environmental Engg. and Management (IJEEM), Research India Publications. Head Office: B-2/84, Ground Floor, Rohini Sector-16, Delhi-110 089 (INDIA) Phone No.: +91-11-65394240 • Fax: +91-11-27297815  <b>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 (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>• Three years research (with Dr. Murali Sastry) at NCL Pune, (2003-6)</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> Dr. Usha Raghavan (Ph.D. on 25/09/2012; Guide Dr. Murali Sastry; Co-Guide- Dr. Balaprasad Ankamwar 2- Ph.D., 1- M.Phil., 6- research project and 4- M.Sc. project 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: 32.841; Citation at present - 668</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: 3.979; Citation - 28</b></li> </ol> <p><b>Total citation of all papers ~ 1048</b></p>	
<p><b>Selected Research Publications</b></p> <ol style="list-style-type: none"> <li>1. <b>Balaprasad Ankamwar</b>, M.D. Bhand, G.S. Gokavi*, <i>Tran. Metal Chem.</i>, 18 (1993) 361. <b>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>Factor: 32.841; Citation at present - 668</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 – 169</b>.</li> <li>4. <b>Balaprasad Ankamwar</b>, Meenakshi Chaudhary and Murali Sastry*. <i>Syn. React. Inorg. Metal Org. Nano-Metal Chem.</i>, 35 (2005) 19-26. <b>Citation – 153</b>.</li> </ol>	

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: 3.5; Citation – 28.**
6. Balaprasad Ankamwar\*, O. Yemu<sup>1</sup> and S. Deshmukh, *E- J Chem.*, 6(S1) (2009) S225- S234.
7. Balaprasad Ankamwar, *E- J Chem.*, 7 (2010) 1334. **Citation – 25.**
8. Balaprasad Ankamwar\* et al., *Digest J Nano Biostruct.*, 7(2), April-June (2012) 599-605.
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 – 1.**
11. Balaprasad Ankamwar, *Bionano Frontier*, 2010, special issue, 181. **Citation – 02.**
12. Usha Raghawan, Balaprasad Ankamwar, Murali Sastry, *International Journal of Computer Science and its Applications*, 2(3) (2012) 11-13
13. Balaprasad Ankamwar\*, Ashwini Thorat *Journal of Chemistry*, 2012 (Published online).
14. Balaprasad Ankamwar, *Bionano Frontier*, Special Issue-9, Eco-Revolution-2012, Colombo, Sri Lanka, 207-210.
15. Gunjan Kodwani, Farah Surti, Balaprasad Ankamwar\*, *Nanoscience and Nanotechnology: An Indian Journal* 6(4) (2012) 145-150.
16. Balaprasad Ankamwar\*, Farah Surti, *Chem. Sci. Trans.* 1 (3) (2012) 500-507.
17. 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.
18. Balaprasad Ankamwar, *Nano Digest*, 3(9), February (2012) 14-15. Personality News published in “Nano Digest” India’s Premier Magazine in Nanotechnology.
19. Balaprasad Ankamwar, *Inter. J. Drug Formul. Res.*, 2 (4) (2011) 225-231.
20. Balaprasad Ankamwar, *Bionano Frontier*, 4(1) (2011) 20-22.
21. Balaprasad Ankamwar, *Nanoscience and Nanotechnology: An Indian Journal*, 5 (2011) 131-134.
22. Ujjwala Gaware, K. Vaishali, Balaprasad Ankamwar\*, *International Journal of Electrochemistry*, (2012)

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

1. 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).
2. Balaprasad Ankamwar “Size and shape effect on biomedical applications of nanomaterials” published an article online for the book entitled “Biomedical Engineering / Book 1” 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 & Vol. II’ (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 and 2011), Thane- (2012 & 2013) **State Conference** Sangli (2011) **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), Perna College Nigadi, Pune-2012.

**Reviewer of Research Journals:** 1. Crystal Growth and Design (Publisher-ACS; Impact Factor-4.162).

2. Journal of Colloid and Interface Science (Publisher- Elsevier ; Impact Factor-3.066)
3. Bioprocess and Biosystems Engineering (Publisher-Springer; Impact Factor-2.06)
4. Journal of Crystal growth (Publisher-Elsevier; Impact Factor-1.779)
5. Materials Research Bulletin (Publisher-Elsevier; Impact Factor-2.05)
6. Journal of nanoparticles Research (Publisher- Springer; Impact Factor-3.253)