

Goldie Oza, M.Sc., PhD

CINVESTAV-IPN

Post-doctoral fellow, Solid State Electronics,
Department of Electrical Engineering
Av. Instituto Politecnico Nacional # 2508
Col. San Pedro Zacatenco, 07360, Mexico D.F.

✉ goldieoza@gmail.com

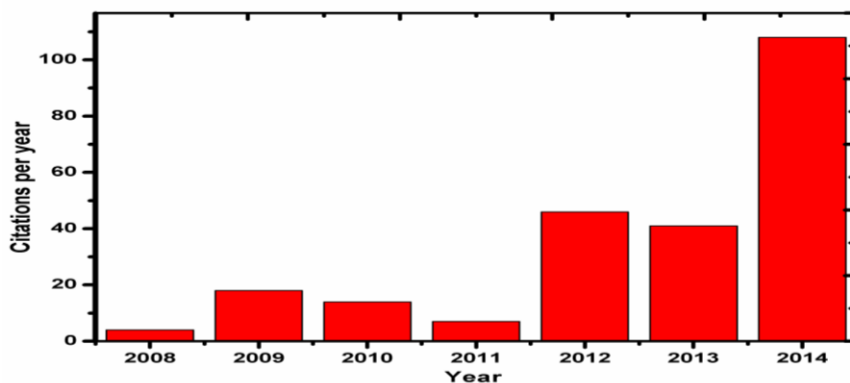
☎ +5215548153652



Citation indices

	All	Since 2009
Citations	252	228
h-index	9	9
i10-index	8	8

Citations to my articles



<http://scholar.google.com/citations>

Education

1998-2001

B.Sc. Microbiology and Biotechnology, University of Mumbai (63%)

2001-2003

M.Sc. Life Sciences (Specialization in Biotechnology), University of Mumbai (64%)

2007– 2012

N. Shankaran Nair Research Centre for Nanotechnology and Bionanotechnology

Ph.D, Botany entitled “BIOSYNTHESIS OF NANO-METAL AND/OR

ITS COMPLEX BY ALGAE AND BACTERIA” under the guidance

<p>Experience</p>	<p>of Dr. Madhuri Sharon University of Mumbai, India</p> <p>Substantial Experience in sophisticated research methodologies in the field of NanoBiotechnology, Medical Nanotechnology and Environmental Biotechnology</p>
<p>Professional Experience</p> <p>2013-till date</p>	<p>Working as a Post doctoral Fellow in Centro de Investigacion y de Estudios Avanzados del Instituto Politecnico Nacional (CINVESTAV), Mexico D.F on a project entitled “Synthesis and Characterization of Au-Fe₃O₄ core-shell nanoparticles and their applications in Biosensor and drug delivery vehicle development” funded by CONACYT (Project no.168577)</p>
<p>2007-2012</p>	<p>Worked as “Research Associate” guiding students for their M.Sc and M.Tech dissertation at N. Shankaran Nair Research center for Nanotechnology and Nanobiotechnology</p> <p>Research Experience: NanoBiotechnology</p> <ul style="list-style-type: none"> • Nanometal Biosynthesis (Au, Ag, Pt, CdS, CdSe quantum dots, SPIONs iron oxide, BiVO₄, Bi₂O₃) and its characterization • Biochemical synthesis of Gold nanorod and its applications in detection of E.coli using antibodies. • Photo thermal therapy of gold nanoparticles on cancerous cells • Magnetic Hyperthermia using magnetite nanoparticles on cancerous cells.

- Studying the effects of Gold nanoparticles and Silver nanoparticles on HIV.
- Gold nanoparticles and polymeric conjugates and its use as drug delivery system for anti cancerous as well as antibacterial drugs
- Designing of a Mask coated with Silver nanoparticles and comprehension of their anti-bacterial and anti-viral activity.
- Designing and developing Water filter for household purpose using CNT-Silver nanoparticle-ceramic nanoconjugate.
- Development of Gold Nanogel and antibacterial silver Nanogel for cosmetic purpose.
- Tuning Aspect ratios of gold nanorods using Taguchi design as potential statistical tool

2003-2007

Research Experience: Environmental Biotechnology (Chemical Engg. Dept., IIT-Bombay)

Worked as a “Junior Research Fellow” (From June 2003-June 2007)

- Pilot plant treatment studies for industrial effluents such as dye factories, Paper and pulp, Distilleries and Municipal liquid waste;
- Monitoring of Wastewater treatment Plants.
- Study of adsorption – desorption rates of pathogens on Natural & Synthetic polymers.
- Pilot plants were set up in the laboratory which was scaled up for field application (viz.3 MLD plant of Municipal Corporation of Mumbai).

<p>2003-2008</p>	<p>Part-Time Teaching experience</p> <ul style="list-style-type: none"> • Five years of teaching experience at undergraduate level and the subjects were Immunology & Biochemistry. • Guest lecturer for M.Sc. Biotechnology at Birla College and Vikas College of University of Mumbai.
-------------------------	---

BOOKS

Bionanotechnology: Concepts and its Applications, Madhuri Sharon, Maheshwar Sharon, Sunil Pandey and **Goldie Oza**, Published by CRC press, ISBN No.9789381162361.

Book Chapters

1. **Goldie Oza**, Sunil Pandey and Madhuri Sharon, **Carbon nanotubes: Robust Nanorobots interfacing Neurons to fuel up Neurogenesis in neurodegenerative diseases**, **CARBON NANOFORMS AND APPLICATIONS**. Forwarded by Harold Kroto Nobel laureate in Chemistry; Edited by Maheshwar Sharon and Madhuri Sharon ; Published by McGRAW HILL, USA, ISBN: 978-0-07-163960-6.
2. Madhuri Sharon, **Goldie Oza**, Arvind Gupta, and Sunil Pandey, **Super-Paramagnetic Iron Oxide Nanoparticles (Spions) as Nano-Flotillas for Hyperthermia: A Paradigm for Cancer Theranostics**, **ADVANCED NANOMATERIALS SYNTHESIS, PROPERTIES, AND APPLICATIONS**, Edited by Sabu Thomas, Nandakumar Kalarikkal, Manuel Stephan, B. Raneesh, A. K. Haghi, Published by Apple Academic Press, (CRC Press Distribution) ISBN: 978-1-926895-79-6

3. Madhuri Sharon, Sunil Pandey, **Goldie Oza**, Avinash Kadam, **Carbon nanotubes – A paradigm scaffold fabricating tissues, CARBON NANOFORMS AND APPLICATIONS**. Forwarded by Harold Kroto Nobel laureate in Chemistry; Edited by Maheshwar Sharon and Madhuri Sharon ; Published by McGRAW HILL, USA, ISBN: 978-0-07-163960-6
4. S. Bhardwaj, A. Gupta, S. Pandey, **Goldie Oza**, S. Kawale, N. Mishra, Madhuri Sharon, A. Durve, M. Thandu: **Methylene Blue Adsorption Isotherm For Carbon Nano Material Synthesized from Menthol**. 01/2010: pages 399-404; **CARBON NANOFORMS AND APPLICATIONS**. Forwarded by Harold Kroto Nobel laureate in Chemistry; Edited by Maheshwar Sharon and Madhuri Sharon ; Published by McGRAW HILL, USA, ISBN: 978-0-07-163960-6

Journal Publications

1. **Goldie Oza**, Kusum Oza, Sunil Pandey, Sachin Shinde, Ashmi Mewada, Mukeshchand Thakur, Maheshwar Sharon, Madhuri Sharon. **A Green Route Towards Highly Photoluminescent and Cytocompatible Carbon dot Synthesis and its Separation Using Sucrose Density Gradient Centrifugation**, Journal of Fluorescence, November 2014, J Fluoresc DOI 10.1007/s10895-014-1477-x.
2. **Goldie Oza**, Sunil Pandey, Arvind Gupta, Sachin Shinde, Ashmi Mewada, Pravin Jagadale, Maheshwar Sharon, Madhuri Sharon: **Photocatalysis-assisted water filtration: Using TiO₂-coated vertically aligned multi-walled carbon nanotube array for removal of Escherichia coli O157:H7**, Materials science & engineering. C, Materials for biological applications. 10/2013; 33(7):4392-4400. (ISSN: 0928-4931)
3. **Goldie Oza**, Sunil Pandey, Ashmi Mewada, Madhuri Sharon: **Extracellular Biosynthesis of Gold Nanoparticles using Salmonella typhi**. Der Chimica Sinica. 10/2012; 3(5):1041-46. (ISSN: 0976-8505)
4. **Goldie Oza**, Sunil Pandey, Madhuri Sharon: **Biosynthesis of Gold nanoparticles in Escherichia coli and deciphering the role of lactate-dehydrogenase using**

- ldh knock out in E. coli.** Journal of Atoms and Molecules 08/2012; 2(4):301-311. (ISSN – 2277 – 1247)
5. **Goldie Oza, Sunil Pandey, Ritu Shah, Madhuri Sharon: A Mechanistic Approach for Biological Fabrication of Crystalline Gold Nanoparticles Using Marine Algae, Sargassum wightii** European Journal of Experimental Biology 01/2012; 3(2):505-512. (ISSN: 2248 –9215)
 6. **Goldie Oza, Sunil Pandey, Ashmi Mewada, Golap Kalita, Madhuri Sharon: Facile biosynthesis of gold nanoparticles exploiting optimum pH and temperature of fresh water algae Chlorella pyrenoidusa.** Advances in Applied Science Research 01/2012; 3(3):1405-1412. (ISSN: 0976-8610)
 7. **Goldie Oza, Sunil Pandey, Ritu Shah, Madhuri Sharon: Extracellular Fabrication of Silver Nanoparticles using Pseudomonas aeruginosa and its Antimicrobial Assay.** Advances in Applied Science Research 01/2012; 3(3):1776-1783. (ISSN: 0976-8610)
 8. **Goldie Oza, Sunil Pandey, Ritu Shah, Mayuresh Vishwanathan, Rohan Kesarkar, Maheshwar Sharon, Madhuri Sharon: Tailoring Aspect Ratio of Gold Nano Rods: Impact of temperature, pH, silver ions, CTAB concentration and centrifugation.** Advances in Applied Science research 01/2012; 2(3):1027-1038. (ISSN: 0976-8610).
 9. M. Ravichandran, **Goldie Oza**, S. Velumani, Jose Tapia Ramirez, Francisco Garcia-Sierra, Norma Barragan Andrade, Marco A. Garza-Navarro, Domingo I. Garcia-Gutierrez, Rafael Lara-Estrada, Emilio Sacristan-Rock, and Junsin Yi: **Cobalt ferrite nanowhiskers as T2 MRI contrast agent.** RSC Adv., 2015, 5, 17223
 10. M. Ravichandran, **Goldie Oza**, S. Velumani, Jose Tapia Ramirez, Francisco Garcia-Sierra, Norma Barragán Andrade, Marco A. Garza-Navarro, Domingo I. Garcia-Gutierrez, R. Asomoza: **One-dimensional ordered growth of magnetocrystalline and biocompatible cobalt ferrite nano-needles.** Materials Letters 135 (2014) 67–70. (ISSN: 0167-577X).
 11. M. Adiraj Iyer, **Goldie Oza**, S. Velumani, Arturo Maldonado, Josue Romero, M. de L. Munoz, M. Sridharan, R. Asomoza, Junsin Yi: **Scanning fluorescence-based ultrasensitive detection of dengue viral DNA on ZnO thin films.** Sensors and Actuators B 202 (2014) 1338–1348. (ISSN: 0925-4005).

12. Rohan Kesarkar, Vikrant Sangar, **Goldie Oza**, Tanvee Sawant, Sweta Kothari, Madhuri Sharon, Abhay Chowdhary, **Synthesis, Characterization and Hepatoprotective Activity of Neem Gold Nanoparticles for Improved Efficacy and Sustained Drug Release Profile of Azidothymidine**, International Journal of Pharmaceutical Sciences Review & Research, 26 (2014) (ISSN: 0976-044X)
13. V.I. Merupo, S. Velumani, **Goldie Oza**, M. Makowska-Janusik, A. Kassiba, **Structural, electronic and optical features of molybdenum-doped bismuth vanadium oxide**, Materials Science in Semiconductor Processing (Accepted Manuscript in the year Jan. 2015)
14. Sunil Pandey, Ashmi Mewada, Mukeshchand Thakur, Ritu Shah, **Goldie Oza**, Madhuri Sharon: **Biogenic gold nanoparticles as flotillas to fire berberine hydrochloride using folic acid as molecular road map**, Materials Science and Engineering C 10/2013; 33(7):3716-22. (ISSN: 0928-4931)
15. Sunil Pandey, **Goldie Oza**, Ashmi Mewada, Ritu Shah, Mukeshchand Thakur, Madhuri Sharon: **Folic acid mediated synaphic delivery of doxorubicin using biogenic gold nanoparticles anchored to biological linkers**. Journal of Materials Chemistry B, 2013; 1(9):1361-1370. (ISSN: 0959-9428)
16. Sunil Pandey, Ashmi Mewada, **Goldie Oza**, Ritu Shah, Mukeshchand Thakur, Madhuri Sharon: **Synthesis of supra-stable gold nanoparticles and size dependent separation using Azadirachta indica gum: A green alternative to density gradient centrifugation**. Journal of Bionanoscience 08/2013; 7(4):426-431. (ISSN: 1557-7910)
17. Sunil Pandey, Ashmi Mewada, Mukeshchand Thakur, Sachin Shinde, Ritu Shah, **Goldie Oza**, Madhuri Sharon: **Rapid biosynthesis of Silver Nanoparticles by exploiting the reducing potential of Trapa bispinosa peel extract**, Journal of Nanoscience 07/2013; 2013. (ISSN: 2356-749X)
18. Sunil Pandey, **Goldie Oza**, Ashmi Mewada, Mukeshchand Thakur, Neeraj Mishra, Maheshwar Sharon, Madhuri Sharon: **Synthesis and Centrifugal Separation of Fluorescent Carbon Dots at Room Temperature**. Nanoscience and Nanotechnology Letters 07/2013; 5(7):775-779. (ISSN: 1941-4900)
19. Sunil Pandey, Mukeshchand Thakur, Ritu Shah, **Goldie Oza**, Ashmi Mewada, Madhuri Sharon: **A comparative study of economical separation and**

aggregation properties of biologically capped and thiol functionalized gold nanoparticles: Selecting the eco-friendly trojan horses for biological applications, Colloids and surfaces B: Biointerfaces 03/2013; 109C:25-31. (ISSN: 0927-7765)

20. Sunil Pandey, Ritu shah, Ashmi mewada, Mukeshchand Thakur, **Goldie oza**, Madhuri Sharon: **Gold nanorods mediated controlled release of doxorubicin: nano-needles for efficient drug delivery**, Journal of Materials Science Materials in Medicine 03/2013; 24: 1671-1681. (ISSN:0957-4530)
21. Sunil Pandey, Ashmi Mewada, Ritu Shah, **Goldie Oza**, Mukeshchand Thakur, Madhuri Sharon: **Using Natural Plant Exudate to Separate Gold Nanoparticles Using Density Gradient Centrifugation**. Journal of Bionanoscience 01/2013; 7(4):467-471. (ISSN: 1557-7910)
22. Sunil Pandey, **Goldie Oza**, Arvind Gupta, Ritu Shah, Madhuri Sharon: **The possible involvement of Nitrate Reductase from Asparagus racemosus in Biosynthesis of Gold Nanoparticles**. European Journal of Experimental Biology. 01/2012; 3(2) 475-483. (ISSN: 2248 –9215)
23. Sunil Pandey, **Goldie Oza**, Golap Kalita, Madhuri Sharon, **Adathoda vasica -an Intelligent Fabricator of Gold Nanoparticles** European Journal of Experimental Biology 01/2012; 3(2):468-474. (ISSN: 2248 –9215)
24. Sunil Pandey, **Goldie Oza**, Rohan Kesarkar, Arvind Gupta, Mayuresh Vishwanathan, Ritu Shah, Maheshwar Sharon, Madhuri Sharon: **Taguchi Optimization Method for Tuning Aspect Ratios for Synthesis of Gold Nano Rods**, Archives of Applied Science Research 01/2012; 2(4):965-970. (ISSN: 0975-508X)
25. Sunil Pandey, **Goldie Oza**, Mayuresh Vishwanathan, Madhuri Sharon: **Biosynthesis of Highly Stable Gold nanoparticles Using Citrus limone** Annals of Biological Research 01/2012; 5(3):2378-2382. (ISSN: 0976-1233).
26. Sunil Pandey, **Goldie Oza**, Ashmi Mewada, Madhuri Sharon: **Green Synthesis of Highly Stable Gold Nanoparticles using Momordica charantia as Nano fabricator**, Archives of Applied Science Research 01/2012; 2(4):1135-1141. (ISSN 0975-508X)

27. Sunil Pandey, **Goldie Oza**, Arvind Gupta, Madhuri Sharon: **Novel Biological Approach for Biosynthesis of Anisotropic Gold Nanoparticles using Aloe barbedensis: Role of pH and temperature**, Annals of Biological Research 01/2012; 5(3):2330-2336. (ISSN 0976-1233)
28. Ashmi Mewada, Sunil Pandey, Sachin Shinde, Neeraj Mishra, **Goldie Oza**, Mukeshchand Thakur, Maheshwar Sharon, Madhuri Sharon: **Green synthesis of biocompatible carbon dots using aqueous extract of Trapa bispinosa peel**. Materials Science and Engineering C 07/2013; 33(5):2914-7. (ISSN: 0928-4931)
29. Mukeshchand Thakur, Sunil Pandey, Ashmi Mewada, Ritu Shah, **Goldie Oza**, Madhuri Sharon: **Understanding the stability of Silver nanoparticles bio-fabricated using Acacia arabica (Babool gum) and its hostile effect on microorganisms**. Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy 03/2013; 109, 344–347. (ISSN: 1386-1425)
30. Ashmi Mewada, Mukeshchand Thakur, Sunil Pandey, **Goldie Oza**, Ritu Shah, Madhuri Sharon: **A Novel One Pot Synthesis of Super Stable Silver Nanoparticles using Natural Plant Exudate from Azadirachta indica (Neem Gum) and their Inimical Effect on Pathogenic Microorganisms**. Journal of Bionanoscience 03/2013; 7(3): 296-299. (ISSN: 1557-7910)
31. Ashmi Mewada, Sunil Pandey, **Goldie Oza**, Ritu Shah, Mukeshchand Thakur, Arvind Gupta, Madhuri Sharon: **A Novel Report on Assessing pH Dependent Role of Nitrate Reductase on Green Biofabrication on Gold Nanoplates and Nanocubes**. Journal of Bionanoscience 02/2013; 7(2):174-180. (ISSN: 1557-7910)
32. R. Kesarkar, **Goldie Oza**, Sunil Pandey, R. Dahake, S. Mukherjee, A. Chowdhary, Madhuri Sharon: **Gold Nanoparticles: Effective as both inhibitors & virus neutralizing agents against HIV**. J. Microbiol & Biotechnol Res. 01/2012; 2(2), 276-283. (ISSN : 2231 –3168)
33. Ashmi Mewada, **Goldie Oza**, Sunil Pandey, Madhuri Sharon: **Extracellular Synthesis of Gold Nanoparticles Using Pseudomonas denitrificans and Comprehending its Stability** Journal of microbiology and biotechnology research 01/2012; 2:493-499.(ISSN : 2231 –3168)
34. Gupta, **G. Oza**, S. Pandey, A. Durve, S. Bhardwaj, B. Patil, S. Kawale, N. Mishra, P. Jagdale: **Antimicrobial Activity of Lasiosiphon eriocephalus**, Adv. In Biol. Res. 01/2010; (ISSN:1992-0067)

35. A Kadam, **G Oza**, P Nemade, A Surti, H Shankar, **Studies on sorption properties of pathogens on natural materials**, Journal of Environmental Biology 09/2009; 30(5):641-6. (ISSN: 0254-8704)
36. Avinash M. Kadam, Pravin D. Nemade, **G.H. Oza**, H.S. Shankar, **Treatment of municipal wastewater using laterite-based constructed soil filter**, Ecological Engineering 35 (2009) 1051–1061. (ISSN: 0925-8574)
37. A Kadam, **G Oza**, P Nemade, S Dutta, H Shankar: **Municipal wastewater treatment using novel constructed soil filter system**. Chemosphere 04/2008; 71(5):975-81. (ISSN: 0045-6535)
38. Avinash M. Kadam, **Goldie H. Oza**, Pravin D. Nemade, Hariharan S. Shankar, **Pathogen removal from municipal wastewater in Constructed Soil Filter**, Ecological Engineering 33 (2008) 37–44; (ISSN: 0925-8574).
39. P.D. Nemade, A.M.Kadam, **G.H.Oza**, S.M.Dutta, H.S.Shankar, **Effects of anions on arsenic adsorption with iron hydroxide-a review**, Indian Journal of environmental protection, (2007) 27 (12) (ISSN: 0253 - 7141).

Papers Presented in Conferences

1. **Goldie oza**, R. Manisekharan, S. Velumani, Jose Tapia, Francisco Sierra-Garcia, Norma Barragán Andrade, R. Asomoza, **Designing a drug-delivery vehicle with Au-Fe₃O₄-Graphene Quantum dots: A Tri-pronged mechanism for Bioimaging, synaphic delivery and apoptosis induction in Cancer cells**, Oral Presentation in the symposium 2A, Biomaterials for medical applications at the XXIII International Materials Research Congress, held in Cancun in August 11 - 15, 2014.
2. **Goldie oza**, M.Ravichandran, S. Velumani, R. Asomoza, **Biological synthesis of metal sulfide semi-conducting nanocrystals**, Poster Presentation in the symposium 7D, Advances in Functional Semi-conducting Materials at the XXIII International Materials Research Congress, held in Cancun in August 11 - 15, 2014.

3. A. García, **G. Oza**, V. Subramaniam, R. Asomoza, **Physical Model of a Surface Plasmon Resonance Sensor**, Oral Presentation in the symposium 2A, Biomaterials for medical applications at the XXIII International Materials Research Congress, held in Cancun in August 11 - 15, 2014.
4. M.Ravichandran, **Goldie Oza**, S. Velumani, Jose Tapia, Francisco Sierra-Garcia, Norma Barragan Andrade, R. Asomoza, **Core/Shell Nanoclusters of Doxorubicin Functionalized Au-M (Co, Mn) Fe₂O₄: A Theranostic approach for Cancer Therapeutics**, Oral Presentation in the symposium 2A, Biomaterials for medical applications at the XXIII International Materials Research Congress, held in Cancun in August 11 - 15, 2014.
5. M.Ravichandran, **Goldie Oza**, S. Velumani, Jose Tapia, Francisco Sierra-Garcia, Norma Barragan Andrade, R. Asomoza, **Biological Synthesis of Semiconductor Zinc Sulfide Nanoparticles**, Poster Presentation in the symposium 7D, Advances in Functional Semi-conducting Materials at the XXIII International Materials Research Congress, held in Cancun in August 11 - 15, 2014.
6. **Goldie Oza**, Ravichandran Manisekaran, Jose Tapia Ramirez, Velumani Subramaniam, **Synaptic delivery of Doxorubicin using au-Fe₃O₄ core-shell as a nano-vehicle for folic acid & cysteamine mediated targeted therapy**, Oral Presentation in the symposium 2A, Biomaterials for medical applications at the XXII International Materials Research Congress, to be held in Cancun in August 11 - 15, 2013.
7. K.K.Jyothi, I.G. Becerril, S.Velumani, M.Sridharan, J.Tapia Ramirez, J.Romero Ibarra, A.Angeles Pascual, M.R.Chandran, A.Ramirez, **G.Oza**, **Gold-coated Magnetite Nanoparticles: Synthesis and Characterization**, Poster Presentation in the 4th Mexican Workshop on Nanostructured Materials, held in Edificio Carolino, Benemerita Universidad Autonoma de Puebla, during 19-22 March 2013.
8. Ana Luisa Ramirez, **Goldie Oza**, Velumani Subramaniam, Jose Tapia Ramirez, Rene Asomoza, **Synthesis And Characterization Of Au-Fe₃O₄ Core-Shell Nanoparticles**, Poster Presentation in the symposium 2A, Biomaterials for medical applications at the XXII International Materials Research Congress, to be held in Cancun in August 11 - 15, 2013.
9. Krishna Jyothi Kaligotla, **Goldie Oza**, Velumani Subramaniam, Sridharan Madhanaguruswamy, Jose Tapia Ramirez, **Synthesis of core-shell magnetite-Au nanoparticles and their application as DNA sensors**, Poster Presentation in the

symposium 2A, Biomaterials for medical applications at the XXII International Materials Research Congress, to be held in Cancun in August 11 - 15, 2013.

10. Ravichandran Manisekaran, **Goldie Oza**, Jose Tapia Ramirez, Velumani Subramaniam, **Engineering iron oxide nanoparticles (Fe₃O₄) with cobalt and manganese for efficient enhancement of superparamagnetic behaviour**, Poster Presentation in the symposium 7D, Advances In Functional Semiconducting Materials at the XXII International Materials Research Congress, to be held in Cancun in August 11 - 15, 2013.
11. Maheshwar Adiraj Iyer, Velumani Subramaniam, Maria de Lourdes Muñoz, Sridharan Madhaguruswamy, Arturo Maldonado, Rene Asomoza, **Goldie Oza**, **Selective detection of dengv3 serotype from dengue viral DNA on ZnO thin film structure**, Poster Presentation in the symposium 7D, Advances In Functional Semiconducting Materials at the XXII International Materials Research Congress, to be held in Cancun in August 11 - 15, 2013.
12. **Goldie Oza**, Sunil Pandey, Shailesh Khatri, Prashant Ambilwade and Madhuri Sharon, **Biosynthesis of Gold and Silver Nanoparticles by Pseudomonas stutzeri and Fusarium oxysporum: A Bottom-up Approach**, Presented at International Conference on Nanomaterials and its application (ICNAMA) 2008 held at Shivaji University Kolhapur.
13. Shrikant S. Kawale, Sunil Bhardwaj, Bhushan Patil, Arvind Gupta, Sunil Pandey, **Goldie Oza**, Neeraj Mishra, Harish Dubey, Madhuri Sharon, C.H. Bhosale, Maheshwar Sharon **“Application of Taguchi Optimization Methodology for desired optical band gap of carbon thin films using TFVD”** Presented at ICNAMA- 2008 held at Shivaji University Kolhapur.
14. Bhushan Patil, Sunil Bharadwaj, Arvind Gupta, **Goldie Oza**, Sunil Pandey, Pravin Jagadale, Shrikant Kawale, Neeraj Mishra, Bholanath T. Mukherjee, Madhuri Sharon, Maheshwar Sharon **“Novel approach of synthesis of carbon nano electrode for a sensor for pesticide residue Analysis”** presented at ICNAMA-2008 held at Shivaji University Kolhapur.
15. Neeraj Mishra, Bhushan Patil, Sunil Bhardwaj, Shrikant S. Kawale, Arvind Gupta, Sunil Pandey, **Goldie Oza**, Pravin Jagadale, Sandesh Jaybhaye, B.T. Mukherjee, Madhuri Sharon, Maheshwar Sharon **“Synthesis of carbon nanotubes from polypropylene by chemical vapor deposition system”** Presented at ICNAMA-2008 held at Shivaji University Kolhapur.

16. Sunil Bhardwaj, Shrikant Kawale, Arvind Gupta, Bhushan Patil, **Goldie Oza**, Sunil Pandey, Pravin Jagadale, B T Mukherjee, Neeraj Mishra, Golap Kalita, Madhuri Sharon, D Sathiyamoorthy, Maheshwar Sharon “**Metal Nano Particles supported on Carbon**” Presented at ICNAMA-2008 held at Shivaji University Kolhapur.
17. Sunil Pandey, **Goldie Oza**, Arvind Gupta, Shailesh Khatri, Prashant Ambilwade, Sunil Bhardwaj, Bhushan Patil, Pravin Jagadale, Maheshwar Sharon and Madhuri Sharon, **Biosynthesis of Citric acid Capped Gold Nanoparticles for Targeted drug-delivery of Anti-Cancer Agent**, NANDED CONFERENCE.
18. Nemade P.D, Shankar H.S., Kadam A.M., **Oza G.H.** (2007) **Removal of Arsenic from Drinking Water: Recent Trends and Development**, Third International groundwater conference (IGC-2007) on Water, Environment and Agriculture Present Problems and Future Challenges (Feb. 7-10, 2007), at Coimbatore, Tamilnadu, India.
19. Nemade P. D, Kadam A.M., **Oza G.H.**, Dutta S. M., Shankar H.S. (2007). **Adsorption of Arsenite As (III) by Soil Biotechnology and Hydrous Ferric Oxide**. International Conference on Water Management and Technology Applications in Developing Countries, Kuala Lumpur 14 - 16 May 2007, Malaysia.
20. P. D. Nemade, A. M. Kadam, **G. H. Oza**, S. M. Dutta, H. S. Shankar. (2007), **Adsorption of Arsenite from Water by Soil Biotechnology**, 2nd IWA ASPIRE, Asia-Pacific regional Group conference & Exhibition on Water and Sanitation in the Asia-Pacific region: opportunities Challenges and Technology, 28 Oct-1 Nov 2007, Perth Convention Centre, Australia.
21. Pravin D. Nemade, Avinash M. Kadam, **Goldie H. Oza**, Supritam M. Dutta, H. S. Shankar. (2007), **Arsenic Adsorption onto Hydrous Ferric Oxide (HFO) from Water**, 2nd IWA ASPIRE, Asia-Pacific regional Group conference & Exhibition on Water and Sanitation in the Asia-Pacific region: opportunities Challenges and Technology, 28 Oct-1 Nov 2007, Perth Convention Centre, Australia.
22. Kadam A.M., **Oza G.H.**, Nemade P.D., Shankar H.S., 2007. “**Reuse of Municipal Wastewater by Soil Biotechnology system-a case study**” Trombay symposium on desalination and water reuse (TSDWR 07), February 7-9, Mumbai.

23. Pandey S., **Oza G.H.**, , Khatri S., Ambilwade P., Phatak A., Kadam A., Sharon M., 2007 **“Biosynthesis of Cadmium Sulfide nanoparticles using yeast *Candida glabrata*”**, International Convention on Environmental Crises, Mount Abu.
24. Kadam A.M., **Oza G.H.**, Nemade P.D., Shankar H.S., (2006). **Reuse of Municipal Wastewater by Soil Biotechnology system-a case study**, Trombay symposium on desalination and water reuse (TSDWR 07), February 7-9, 2007, Mumbai.
25. Kadam A.M., **Oza G.H.**, Shankar H.S., 2005, **“Carbon, Nitrogen and Pathogen removal using soil filter device”** in ninth International Conference, 25-26th November 2005, Mumbai, India.
26. Kadam A.M., **Oza G.H.**, Nemade P.D., Shankar H.S., 2006. **“Treatments of domestic wastewater by Soil Biotechnology filter”**. International conference on management of water, wastewater, and environment: Challenges for the developing countries, Sept. 13-15th, 2006, Kathmandu, Nepal.

Honors and awards

- **Indian council of Medical Research - Junior research Fellow 2004.**
- **Investigator level 1 as per National System of Researchers, CONACYT, Mexico.**

Other credentials

- ‘Raptakos Brett Test Laboratories Limited’ as a job trainee (May 1999)
- ‘Quality control Department-CIPLA LTD’ as a job trainee (June 2000)
- ‘Bombay Veterinary College’ as a job trainee (April 2000)

Projects Undertaken

- M.Sc dissertation on ‘Designing of Viral Vector System inducing Apoptosis in a Cancerous cell’.
- Project Report on ‘Cultivation of Viruses Using Fertilized Hen’s Eggs’ completed at Bombay Veterinary College at T.Y. B.Sc. level.

Extra Curricular Activities

- Officiated as the Director of ‘International Services’ for Rotaract Club of Kalyan, Rotary International, Dist-3140 for the year 2000 and 2001
- Received many medals in Elocution & Essay Competition and was active participant in sports.

References

1) Prof. S.Velumani

Solid State Electronics,
Department of Electrical Engineering
Av. Instituto Politecnico Nacional # 2508
Col. San Pedro Zacatenco, 07360, Mexico D.F.
velu@cinvestav.mx

2) Prof. Francisco García Sierra

Departamento de Cell Biología
Centro de Investigacio y de Estudios Avanzados del
Instituto Politecnico Nacional (CINVESTAV),
Av. Instituto Politecnico Nacional # 2508
Col. San Pedro Zacatenco, 07360, Mexico D.F.
fgarcia-sierra@cell.cinvestav.mx

3) Prof. Rodríguez Mario Alberto

Departamento de Infectomica and Molecular Patogenesis
Centro de Investigacio y de Estudios Avanzados del
Instituto Politecnico Nacional (CINVESTAV),
Av. Instituto Politecnico Nacional # 2508
Col. San Pedro Zacatenco, 07360, Mexico D.F.
marodri@cinvestav.mx

4) Dr. Madhuri Sharon

Executive Director of N. Shankaran Nair
Research Centre for Nanotechnology and
Nanobiotechnology.
sharonmadhuri@gmail.com