

J.Jaison

M.Sc Nanoscience and Nanotechnology

University of Madras

Dept: National Center for Nanoscience and Nanotechnology (NCNSNT)

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Research experience:

2013(August): NCNSNT dept, University of Madras (currently working)

Project: Synthesis and characterization of MgO nano particles and its application in
Enzyme activation

2013(May) : Central Leather Research Institute (CLRI), Microbiology dept

Project : Synthesis and Characterization of Gold Nano Particle using fungi
Aspergillus sps.

Project was focused on green synthesis of gold nano particle using fungi *Aspergillus sps.* (using its enzymes). As the gold nano particles are synthesized through green synthesis, it has very less toxicity compared to chemically synthesized gold nano particle. We are now trying to use this GNP for cancer diagnosis application.

2012-2014 :M.Sc Nanoscience and Nanotechnology, National Center for
Nanotechnology, University of Madras
Grade – 7.6/10

2012-2014 : MBA – Human Resource Management (Distance education),
Pondicherry University-Loyola College Twinning Program
Grade – 7.1/10

2009-2012 : B.Sc Advanced Zoology & Biotechnology, Loyola College, Chennai.
Grade-7.4/10

SCIENTIFIC SKILLS:

- Know to take samples and interpret data from SEM, FT-IR and XPS.
- Know microbial culture techniques (fungi), Chemical (Gold, Silver) and Micro wave synthesis techniques of Nano particles (MgO)

AWARDS AND MEMBERSHIPS:

- **“Youngest Loyola Environmentalist award”** by **School of Entomology & Centre for Natural Resources Management**, Loyola College, Chennai, in the year 2011 for being the founder, President of a student NGO – SOW, which aims in creating awareness about global warming.
- **“Rev.Fr.A.J.THAMBURAJ.S.J Award”** for popularizing environment protection and awareness by **LOYOLA COLLEGE** for the academic year 2011-2012.
- Accredited member of the **“International Society of Zoological Sciences”** valid till May 2016.
- Accredited member of **“Danube Adria Association for Automation and Manufacturing (DAAAM International Vienna)”**, 2013. Member ID – dpn34086
- Accredited member of **“American Physical Therapy Association”**, 2013

PARTICIPATION IN CONFERENCE/SEMINAR/WORKSHOP:

- Participated in **“Chennai Science Festival-2013”** from 30-1-2013 to 3-2-2013 organized by **Science City**, Chennai, Department of Higher Education, Government of Tamil Nadu.
- Participated in the seminar series **“Nano Revelation – 2012”** on the theme **“Nano Medicine”** organized by **Science city**, Department of Higher Education, Government of Tamil Nadu on 17th August, 2012.
- Participated in the **“Indo-German International Seminar on Electrochemistry of Solid Materials and Solid State NMR of Nano Crystallites”** organized by Department of Analytical Chemistry, **University of Madras**, Chennai on 11th September, 2012.
- Participated in the **National Conference on E-waste Management using Biological Tools: An Eco- Friendly Approach** organized by Centre for Environmental Research and Development (**CERD**) on March 8 & 9, 2012.
- Participated in the **Skill Based Course Poultry Seminar** and Presented a paper entitled **“Game Birds”** organized by **P.G. & Research Department of Advanced Zoology and Biotechnology**, Loyola College, Chennai held on March 05, 2012.
- Participated in the **National Conference on Environmental Protection and Management** organized by **School of Entomology & Centre for Natural Resources Management**, Loyola College, Chennai held on August 29 & 30, 2011.
- Participated in the one day **workshop on Nanotechnology** jointly organized by **Quantum Nanoscientific Pvt. Ltd** and **Loyola College** held on 28th Feb, 2011.

INTERNSHIP EXPERIENCE :

- Internship in Microbiology lab, Central Leather Research Institute, Chennai [2013]
- Internship in Histopathology [2011, Win path Labs. Chennai]
- Internship training Programme in Cattle Farming and Management at Central Cattle Breeding Farm, Chennai [2012]
- Training in Good laboratory practices and Good Clinical practices [2012, Consortium Clinical Research Pvt. Ltd., Coimbatore]

REFERENCES:

Dr. S. Balakumar,

Director,
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University of Madras, Chennai-600 025,
Tamil Nadu, India.
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Dr. S. John William,

Associate Professor,
SECNARM,
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DECLARATION:

I hereby declare that all the statements made above are true to my knowledge and I bear the responsibility for the correctness of the above-mentioned statements.

J.JAISON