

CURRICULUM VITAE



DR. MADHURI SHARON

Research Director

Walchand Centre for Research in Nanotechnology & Bionanotechnology, Solapur, India

Managing Director,

Monad Nanotech Pvt. Limited. Mumbai India

Managing Director

S.P. De-Garbage, Mumbai, India

Member Board of Governor

(MGM University)

Adjunct Professor

(MGM University)

Visiting Professor

(MNIT, Jaipur)

Ex- Director Reliance Industries Ltd.

Ex. Vice President GUFIC

ORCID ID orcid.org/0000-0002-2558-3770

Email sharonmadhuri@gmail.com

Mobile. No. 91 86557 23028, 91 98212 38584,

Date of Birth 10. 08.1945

Nationality Indian

Marital Status Married

Res. Address: 82/83 Green Park, Lodha Haven, Nilje, Dombivali (E) 421204, MS

SPECIAL ASSIGNMENTS

- **To assess & do the Case Studies on the Development & Commercialization of Nanotechnology-based Value Added Products from the Asia-Pacific region.....for UNITED NATIONS ASIA PACIFIC REGION**
- **To write report on status of Fuel Cell in India and its road map till 2022for MINISTRY OF NON RENEWABLE ENERGY. INDIA**
- **Assessment of Status of Floriculture in SAARC countriesfor BIOTECH CONSORTIUM INDIA LTD. (a cell of DBT)**
- **Technical Organizer for ICPP 2013, Beijing, China**
- **Founder Director of Life Science Division of Reliance Industries Ltd**
- **Prepared * Presented multi episode TV serial on Plant Tissue Culture**

ADVISORY BOARD MEMBER

1. **GUJARAT STATE FERTILLIZER CORPORATION – CHAIRMAN RESEARCH ADVISORY COMMITTEE**
2. **CREATE , BARODA, MEMBER RESEARCH COMMITTEE**
3. **DISASTER MANAGEMENT EXPERT FOR BIHAR STATE DISASTER MANAGEMENT COMMITTEE (FOR INDUSTRIAL CHEMICAL AND NUCLEAR DISASTER)**

LABORATORIES & PRODUCTION - UNITS SET

- Nanotechnology-Nanobiotechnology Research Centre at Birla College Kalyan, India
- N. S. N. Research Centre for Nanotechnology & Biotechnology at SICES College Ambarnath
- Walchand Research Centre for Nanotechnology and Bionanotechnology (wcRnb) at Walchand College of Arts and Science, Solapur
- Initiated a M.Sc.(Nanotechnology) course at Walchand College of arts & Science. This is its second year. The course runs under the University of Solapur. The syllabus for the course was prepared by me.
- Bio-lab at **Bolton Institute of Technology U.K.**
- Tissue culture unit at **Hindustan Levers Research Centre:**
- Radio-isotope lab at **ICRISAT:**
- Plant Biotech Research Unit of **GAREF**
- Tissue Culture Laboratory of **GUFIC-BIOSCIENCES.**
- Floriculture Unit of **GUFIG** for Cultivation of Anthurium, Carnation, Gerbera and Orchids
- Tissue Culture Lab of **Reliance Ind. Ltd.** – Jamnagar
- .Plant Biotech & Extraction Unit **Reliance Ind. Ltd.** – Jamnagar

RESEARCH INTEREST

- Nanoparticles and Quantum dots to deliver drugs for cancer and neurodegenerative disease therapy
- Nano-fertilizer and foliar application of drugs using nanotechnology
- Plant Tissue culture and Plant Biotechnology

INTERNATIONAL VISITING SCIENTIST

- Nagoya University, Japan 1996
- Nagoya Institute of Technology, Japan - 2004
- Mana Tsukuba Japan 2014

AWARDS RECEIVEDS

1. **"Vijay Shree"** award in 1997.
2. **"Bharat Gaurav"** in 2002
3. **Lok Vigyan Sanman** of Bundelkhand 2003
4. **Indian Leadership Award for Industrial Development – 2011**
5. **Rashtra Pratibha Puraskar - 2012.**
6. **NMRL Woman of the year 2014**
7. **Honour award 2016 – National Academy of Agricultural Sciences**
8. **Excellence in Quality , by Europe Business Assembly (at present nominated)**
9. **Most Influential Scientist of the Decade in Nanomedicine 2003**

PROFESSIONAL & ADMINISTRATIVE POSITIONS HELD

S. N.	Designation	Organization
1.	Head, Plant Tissue Culture Division	C.C. Shroff Research Institute EXCEL Estate, S.V. Road, Goregaon (w) Bombay 400062
2.	Manager (Biotech.)	EXCEL Ind. Ltd., 184-187, S.V. Road, Jogeshwari Bombay 400060.
3.	Technical Director	Shaili Polymers Pvt. Ltd. 6th Floor, Motilal Centre, Ashram Road, Ahmedabad 380009.
4.	Technical Director	INDAGRO Tissue Tech Pvt Ltd. Jaya Estate, Borivali (w) Bombay 400092.
5.	Technical Director	Aero Auto Ltd. B-3, Shri-Niwas, M.G. Road. Goregaon (w) Bombay 400062
6.	Director	Garden Biotechnica (P) Ltd., Plot No-33, Manakiwali, Kadav, Taluka.-Karjat, District-Raigad, MS
7.	Senior Consultant	Biotech Consortium India Ltd. Kundan house, 4 th Floor, Nehru Place, New Delhi 110019.
8.	Vice President	Gufic Biosciences Andheri (E), Mumbai
8.	Director	Reliance Industries Ltd. Mumbai.
10.	Principal	SICES College of Arts Science & Commerce, Jambhul Phata, Chikhholi, Ambernath (W)
11.	Executive Director	NSN Research Centre for Nanotechnology & Bionanotechnology Ambernath (W)
12.	Director	Walchand Centre for Research in Nanotechnology & Bionanotechnology Solapur
13.	Visiting Professor	MNIT, material Research Centre, Jaipur

HONORARY POSITIONS/PROFESSIONAL MEMBERSHIPS

S. No.	Position	Organization
1.	Treasurer	Assoc. of Plant Physiologists of SAARC
2.	Associate Editor	Jour. Nano Medicine Research
3.	Executive member	The Orchid Soc of India
4.	Editorial Board	Nanobiotechnology (specialty section of Frontiers in Bioengineering & Biotechnology,
5.	Editorial Board	Journal of Agro-technology & Bio-energy.
6.	Editorial Board	Current Trends in Pharmacological & Clinical Trials
7.	Editorial Board	Journal of Nanomedicine Research
8.	Editorial Board	Journal of Material Science & Technology Research.
9.	Life Member	Indian Women Scientists Association
10.	Life Member	Indian Society of Plant Physiologists
11.	Life Member	Indian Soc. of Agro-technology & Bio- energy.
12.	Member	Indian Science Congress
13.	Member	American Soc. of Horticultural Sciences
14.	Member	International Plant Tissue Culture Assoc.
15.	Member	Plant Growth Regulator Society of India.
16.	Jt. Secretary	Carbon Society of India (Maharashtra Chapter)

BOOKS

1. **Bio-Nanotechnology: Concepts & Applications**
CRC Press, USA
Madhuri Sharon, Maheshwar Sharon, Sunil Pandey & Goldie Oza
2. **Carbon Nano forms -Application**
Forwarded by Nobel Laureate Sir William Harold Kroto, FRS
Maheshwar Sharon & **Madhuri Sharon**
McGraw Hill, USA
3. **Nuclear Chemistry (2 editions)**
Maheshwar Sharon & **Madhuri Sharon**
ANE Publisher, Delhi, India
4. **Nano forms of Carbon and its application”**
Forwarded by Nobel Laureate Sir William Harold Kroto, FRS
Ed. by Maheshwar Sharon & **Madhuri Sharon**
Monad Nanotech Publisher, Mumbai, India
5. **Graphene: An Introduction to the Fundamentals and Industrial Applications**
Madhuri Sharon & Maheshwar Sharon,
Wiley, USA
6. **MANDELIC ACID**
Madhuri Sharon, Annika Durve, Anuradha Pandey, Manish Pathak.
Partridge
7. **ADVANCES IN NANOMATERIALS & APPLICATIONS: carbon Dots as
Theranostic Agents**
Series Editor **Madhuri Sharon**
Madhuri Sharon & Ashmi Mewada
Wiley, USA
8. **ADVANCES IN NANOMATERIALS & APPLICATIONS: Behaviors and
Persistence of Nanomaterials in Biomedical Applications**
Series Editor **Madhuri Sharon**
Domenico Cassano and Valerio Voliani
Wiley, USA
9. **ADVANCES IN NANOMATERIALS & APPLICATIONS: Fundamentals of
Electrocatalyst materials and Interfacial Characterization**
Series Editor **Madhuri Sharon**
N. Alonso-Vante, C. A. Campos Roldán , R. Gpe. González Huerta, Gpe. Ramos Sánchez
A. Manzo Robledo
Wiley, USA
10. **ADVANCES IN NANOMATERIALS & APPLICATIONS: The History of
Nanotechnology from Pre-historic to Modern Times**
Madhuri Sharon Wiley, USA
11. **ADVANCES IN NANOMATERIALS & APPLICATIONS: *In Defence***
Madhuri Sharon, Pio Sifullentes Gallardo, Angelica Sylvestris Lopez Rodriguez
Wiley, USA
12. **CARBON NANO FIBERS: Fundamentals and Applications**
Madhuri Sharon & Maheshwar Sharon, Knowledge Books International, India

RESEARCH EXPERIENCES

LEICESTER UNIVERSITY 1965 TO 1968 As Ph.D. Scholar

1. Using tracer techniques like Scintillation Counting, X – Ray, stripping film, emulsion micro-autoradiography and chromatogram scanning: I studied transport , distribution and fate of externally applied auxin (IAA labelled with C14 of either carboxyl or methyl group) in young growing plantlets of Peas. I developed a technique for preparing micro-autoradiographs, of water-soluble compounds present in the cells, using emulsion film.
2. I also studied morphogenesis, anatomy and effect of externally applied or indigenous auxin.

BOLTON INSTITUTE OF TECHNOLOGY 1968 -1972 AS Post-Doctoral Fellow

1. Effect of higher concentrations of inorganic water pollutants on growth and photosynthesis of *Scenedesmus dimorphous* using tracer technique.
2. Uptake of Zinc 60 by fishes of North Sea.

CSIR POOL OFFICER 1972 - 1975.

1. Chemical survey of Ganges water from Barauni to Dalmianagar area up to the junction of Sone Bridge.
2. To break the dormancy of true potato seeds.
3. To prolong the dormancy of potato tubers.

POONA UNIVERSITY 1975 – 1983 As a Post-Graduate Lecturer

1. Developed a new method of Bioassay of IAA, GA and cytokinins using Jowar roots.
2. Synergistic and antagonistic interaction of phyto-hormones in growing roots. This work was funded by U.G.C.
3. Interaction, distribution and translocation of growth hormones in plants. This project was funded by CSIR.

4. Periodical microbial and chemical analysis of water of Mula, Mutha and Pavna rivers of Poona and suburbs, to monitor the pollution level.
5. Tissue culture of Jowar roots.

HINDUSTAN LEVERS LTD. 1979 - 1980 On lien from Poona University for one year - To help HLRC to establish the Plant Tissue Culture Lab. And research in following areas:

1. Coconut embryo culture.
2. Coconut cell culture.
3. Coconut tissue culture.
4. Mechanism of action of PGN containing triacontanol

INTERNATIONAL CROP RESEARCH INSTITUTE FOR SEMIARID TROPICS (ICRISAT) 1984 - 1985. (As In-Charge of Radio Isotope Lab)

1. To establish Radioisotope lab and to help in starting tracer technique work for Botanical and Agricultural research.
2. Mode of action of photo-periodism in groundnuts, with special emphasis on photorespiration.
3. Viability of rain soaked and then dried seeds of Sorghum and its correlation with seed protein.
4. Interdependence of Striga and Sorghum.
5. Emergence of jowar seedlings and its correlation with ethylene production.

UNIVERSITY OF GENT BELGIUM (1988)

1. Micro-propagation of tea.
2. Tissue culture of Agave.

EXCEL INDUSTRIES LTD & C.C.SHROFF RESEARCH INSTITUTE 1989 - May 1999

1. Mode of action of Celrich (a bio-fertilizer, manufactured from the city garbage using microbes) on the growth of agricultural and floriculture crops
2. Bioremediation for Endo-residue.

3. Increased Jasmine production using phyto-hormones.
4. Micro-propagation of Orchids
5. Cell line selection of saline resistant mutants of groundnuts using in vitro techniques.
6. Clonal propagation of Date palms.
7. Tissue culture of Teak.
8. Role of ethylene in somatic embryogenesis in teak.
9. Commercially viable papaya tissue culture
10. Production of habituated & non-habituated callus of *Trigonella* for production of alkaloids.
11. *Catharanthus* cell culture.
12. Tissue culture of *Mappia foetida* - an anticancer substance (camptothecin) producing tree.
13. Commercial Micro-propagation of Pomegranate
14. Plantlet regeneration from root explants of *Punica granatum* via somatic embryogenesis.
15. Increased production of L-DOPA by callus culture of *Mucuna pruriens*.
16. Effect of γ -irradiation on cultures of pomegranate
17. Role of trace elements in various enzyme activities and kinetics in Anthurium cultures and commercial micro-propagation of Anthurium.
18. Encapsulation of PLBs and somatic embryos.

GUFIC Biosciences- JUNE 1999 – March 2001

1. In Vitro clonal propagation as well as soma-clonal variant preparation of Stevia from shoot apex and leaf explants respectively.
2. Isolation of stevioside from callus and leaf of Stevia.
3. Tissue Culture of *Bixa orellana*.
4. Micro-propagation of *Asparagus racemosus*.
5. Regeneration of *Lasiosiphon ericephalus*
6. In Vitro culture studies of *Cassia angustifolia*.
7. Tissue culture studies of *Mimusops elengii*.

RELIANCE INDUSTRIES LTD.(2001 – 2003)

- In RELIANCE I worked on 7 research projects related to production of medicinal and aromatic molecules.
- Moreover I was also looking after commercial production of elite medicinal and aromatic plants through tissue culture.
- These tissue cultured plants were given to contract farmers on buy back basis of raw material and we also cultivated them

BIRLA COLLEGE, UNIVERSITY OF MUMBAI (2004 – 2009)

- Nano-metal biosynthesis
- Synthesis of Carbon Nano Materials
- Anti-microbial activity of CNT
- CNM for drug delivery
- CNT synthesis from plant materials.
- Bioluminescence
- Secondary metabolite from plants
- In vitro culture studies

N.S.N. RES. CENTRE FOR NANOTECH & BIONANOTECH Ambarnath (2009 - 2014)

- Carbon Quantum Dots for drug delivery to plants and animal
- Organic nano-polymers for drug delivery
- CNM for drug delivery
- Nano-metals for drug delivery
- Biosynthesis of nano metals
- Anti-microbial properties of CNMs
- Anti-viral properties of Nanometals
- Anti-microbial properties of Nanometals
- Cytotoxicity studies of nano particles
- Secondary metabolite contents in plants
- CNM synthesis from plant derived precursors and their applications

- In vitro culture of plants (Bamboo, Banana, orchids & Stevis)
- Carbon Solar Cell
- CNM for Alkaline Fuel Cell (AFC)
- H-absorption by CNMs
- CNM for Super Capacitor
- Electron emission by CNMs
- Microwave absorption by CNMs
- Semi-conducting properties of CNMs

WALCHAND CENTRE FOR RESEARCH IN NANOTECHNOLOGY, SOLAPUR (2014 – CONTD)

- Drug Delivery
- Biogehic synthesis studies
- Catalyst
- Solar Cell
- Hydrogen Adsorption
- Microwave Absorption
- Fuel cell

MNIT JAIPUR (2017 – CONTD)

- Panchagavya
- Drug delivery

PRESENT COMMERCIAL & RESEARCH ACTIVITIES

1. MONAD NANOTECH PVT LTD (Since 2004– contd.)

Ours is the first Indian company to commercially synthesize Carbon Nano Materials and involved in bench scale R&D on various aspects of Bio and Nanotechnology e.g.

- i. Conversion of Plastic to Oil, Wax, Carbon Nanomaterials & Burnable gas
- ii. Carbon Nano fibres as deodorizer

2. S.P. DEGARBAGE (Since April 2014)

We are the First one to develop/innovate and patent an eco-friendly **Nanotechnology** based process to convert domestic garbage into **activated carbon**, without emitting any polluting residue or gas, thus contributing to cleanliness, health & environment concerns.

TEACHING EXPERIENCE

1. Bolton Technical College, Bolton, U.K. taught Graduates students of Botany & Biotech and Horticulture diploma students.....**Two years.**

2. Sabour Agricultural College, Sabour; Graduates & Post Graduate Agriculture students.....**One year.**

3. University of Pune M.Sc. (Post Grads) students.....**Five years.**

4. Parle College & Patkar College of Mumbai University B.Sc. Botany (Graduate) students.....**Two years**

5. Bombay University taught Post Graduates of Botany, Biotech, Pollution Prevention courses and guided the research students of M.Sc and PhD, even though I was employed in industry.....**Sixteen years**

- 6. Birla College** I am Adjunct Professor of University of Mumbai, and at Birla College Kalyan Taught Biotechnology to M. Sc students and guiding Ph.D. students in Bionanotechnology.....**Six Years**
- 7. Vikas College** as visiting Professor teaching Biotechnology to B. Sc. & M. Sc students.....**Nine years**
8. **SICES College of Arts, Science & Commerce** – as Principal.....**Two Years**
9. **Walchand College of Arts & Science, Solapur**, as Director to M.Sc. Nanotechnology students.....**One Year**

RECOGNIZED Ph.D. GUIDE FOR

- University of Mumbai
- North Maharashtra University Jalgaon
- University of Assam
- Bhagalpur University
- Nagoya Institute of Technology, Japan

Ph.D. SCHOLARS GUIDED_ - 18

M. TECH , B.Tech &M. Sc. STUDENT GUIDED 180

INTERNATIONAL COLLABORATION

1. **AGRICULTURAL UNIVERSITY DEN BOSH, NETHERLANDS, FOR 3 YEARS, EVERY YEAR I GAVE HIGHER TRAINING TO TWO VISITING DUTCH STUDENTS (FINAL YEAR B.SC. AGRICULTURE) FROM FOR 3 MONTHS IN TISSUE CULTURE AND MEDICINAL PLANT CULTIVATION.**
2. **NAGOYA INSTITUTE OF TECHNOLOGY, JAPAN**
3. **IIT TORINO ITALY**
4. **JUAREZ AUTONOMOUS UNIVERSITY OF TABASCO OF THE UNITED MEXICAN STATES, MEXICO**
5. **UNIVERSITÉ DE VERSAILLES SAINT-QUENTIN-EN-YVELINES (UVSQ), PARIS, FRANCE**

COUNTRIES VISITED

- For giving lectures,
- In cultural exchange for painting exhibition
- For educational, scientific and survey work,
- For attending seminars and symposiums,
- For Industrial, commercial and buy back collaboration work,

Belgium, Canada Denmark, France, Germany, Israel, Japan, Korea, Luxembourg, Nepal, Netherlands, Poland, Singapore, Spain, Sweden, Switzerland, Thailand, United Kingdom, USA, and U.S.S.R.

PATENTS

FOUR In Plant Tissue culture
THREE In Carbon Nanotechnology
FOUR In Chemistry
TWO In Nanotechnology

RESEARCH PAPER PUBLISHED -

1. Goldie Oza, Almendra Reyes, Ashmi Mewada, Luis Gerardo Arriaga, Gabriel Betanzos Cabrera, Diego Estrada Luna, Hafiz M.N. Iqbal, **Madhuri Sharon** and Ashutosh Sharma. *Plant-based metal and metal alloy nanoparticle synthesis: A comprehensive mechanistic approach. Current Nanoscience*, 2019, ISSN: 1573-4127,
2. Laura Lorena Díaz Flores, Osiris Escamilla Luna, Pio Sifuentes Gallardo, German Pérez Hernández, PhMa Guadalupe Rivera Ruedas, **Madhuri Sharon**, Alberto Vega Poot, *Recubrimientos de óxido de zinc sobre sustratos de vidrio para aplicaciones como sensor de gas de H₂S Zinc oxide coatings on glass substrates for applications as H₂S gas sensor. Boletín de la Sociedad Española de Cerámica y Vidrio*, 2019.
3. **Madhuri Sharon** & Chetna Sharon. *Nanotechnology Enters the Renal Cancer Drug Delivery Arena: A Review*. 4 (2): **2018** DOI: [10.19080/NAPDD.2018.04.555631](https://doi.org/10.19080/NAPDD.2018.04.555631)
4. Rakesh Afre, Nallin Sharma, Maheshwar Sharon, **Madhuri Sharon**. *Transparent Conducting Oxide films for various Applications: A Review*. Rev. Adv. Material Sc. 53 (2018)
5. Seema Manchanda, **Madhuri Sharon**, **Maheshwar Sharon**, *Loading of anticancer drug on Carbon Nano Tube*,. IJSRSET, 5(4): 140-145, **2018**
6. Mahesh C P, Mohsina M Shaikh, Maheshwar Sharon and **Madhuri Sharon**, “Zinc Nanoparticles loaded Rectangular Microstrip Antenna for multiband operation”, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 6(V): 261-264, **2018**.
7. Mahesh C P, Madhuri Chavan , Maheshwar Sharon , **Madhuri Sharon**. *Design and Fabrication of Rectangular Microstrip Antenna using Zinc Nanoparticles for Wireless Applications and Enhancement of Bandwidth*. Intl. Jour. for Res.in Applied Sc. & Engg Technol, (IJRASET) 6 (V): 249-252, **2018** [ISSN: 2321-9653]
8. Mahesh C P , Shweta Kalase, Maheshwar Sharon, **Madhuri Sharon**. *Employing Iron Nanoparticles on Equilateral Triangular Microstrip Antenna for Multiband Operation*

International Journal for Research in Applied Science & Engineering Technology. 6(V): 253-256, 257-260, **2018**

9. Mahesh C P, Pooja Mali, Maheshwar Sharon, **Madhuri Sharon**. *Enhancement of Bandwidth of Equilateral Triangular Microstrip Antenna using Nanoparticles* International Journal for Research in Applied Science & Engineering Technology . 6 (V): 257-260, **2018**

10. Late Geetha Vishwanathan, Sanjukta Bhowmik, **Madhuri Sharon**.

Natural Precursors for Synthesis of Carbon Nano Materials by Chemical Vapor Deposition Process: A Review International Journal of Science and Research (IJSR), 7 (2), **2018**

[ISSN (Online): 2319-7064 Index Copernicus Value (2016): 79.57 | Impact Factor (2015): 6.391

11. **Madhuri Sharon**, Ashmi Mewada, Nandini Swaminathan, Chetna Sharon. *SYNTHESIS OF BIOGENIC GOLD NANOPARTICLES AND ITS APPLICATIONS AS THERANOSTIC AGENT: A REVIEW*. Nanomedicine & Nanotechnol Jour. 1(1): 113 **2017**.

12. **Madhuri Sharon**, Isaac Nandgaonkar, Maheshwar Sharon, *Platinum Nanocomposites and its Applications: A Review*, Advances Material Res, 6(2) 93-116 , **2017**

DOI: <https://doi.org/10.12989/amr.2017.6.2.093>

13. **Madhuri Sharon**. Should Nano-particles Be Used to Cross Blood Brain Barrier to Deliver Drugs to Neurodegenerative Disease? A Mini Review. Nov Appro Drug Des Dev. **2017**; 1(1): 555554.

14. **Madhuri Sharon**, *NANOTECHNOLOGY ENTERS THE ARENA OF HERBAL DRUG DELIVERY* in Recent Progress in Medicinal Plants: Metabolic Disorders (special edition) **Vol 45: 247-270**, Studium Press LLC, USA. **2017**

15. Anuradha Pandey (Dubey), **Madhuri Sharon**, *Bioluminescent Organisms*, BAOJ Chem **2017**, 3 (3): 030

16. Seema Manchanda, **Madhuri Sharon, Maheshwar Sharon.** *Release study of anti-cancer drug, Doxorubicin from Carbon Nano Tubes.* Asian Journal of Research on Chemistry and Pharmaceutical Sciences, 5(3): 93-97, **2017**
17. **Madhuri Sharon,** Farha Modi, and Maheshwar Sharon; *Titania Based Nanocomposites as a Photocatalyst: A Review;* AIMS Materials Science, 3(3): 1199-1219, **2016.**
18. **Madhuri Sharon &** Sanjay Gupta; *Hi-tech approach is the need of the day to solve the garbage problem of Smart Cities;* Urbana, 2(5): 6-7, **2016**
19. Goldie Oza, M. Ravichandran, Victor-Ishrayelu Merupo, Sachin Shinde, Ashmi Mewada, Jose Tapia Ramirez, S. Velumani, & Maheshwar Sharon, **Madhuri Sharon** *CAMPHOR-MEDIATED SYNTHESIS OF CARBON NANOPARTICLES, GRAPHITIC SHELL ENCAPSULATED CARBON NANOCUBES AND CARBON DOTS FOR BIOIMAGING.* Scientific Reports | 6:21286 | DOI: 10.1038/srep21286, **2016**
20. Ritesh Vishwakarma, Abhijeet Rajendra Phatak, Golap Kalita, Nallin Sharma, **Madhuri Sharon** and Maheshwar Sharon; *Microwave wide band absorption by carbon from Corn cob,* J. Adv. In Phys. 12 (2) 4204 (**2016**)
21. **Madhuri Sharon**
Are we Ignoring the Considerations for the Dark-Side of Nanotechnology,
Jour. Nanomedicine Research, 3(2): 1-2, **2016** (Editorial)
22. Swapna Gijare, Suma Jebin, **Madhuri Sharon;** *Impact of Catalyst on the Synthesis of Carbon Nano Materials from Castor Seeds by Chemical Vapour Deposit...*
Advanced Science Letters **2016;** 22(4):. 103 – 107. DOI:10.1166/asl.2016.6917
23. Nallin Sharma, **Madhuri Sharon,** Bhushan Patil, Maheshwar Sharon
Graphene to Graphane and its effect on Band gap, Global Journal for Research Analysis, 5(6): 162-164, **2016**

24. Chinmay Phadke, Roopa Dharmatti, Chetna Sharon, Ashmi Mewada, Mugdha Bedekar and **Madhuri Sharon**
Azadirachta indica (Neem) Gum Coated Gold Nanoparticles as Nano-go-karts to Dispatch Haloperidol across Blood-Brain-Barrier. Int. J. Pharm. Sc. Rev. Res, 38(2), : 167-172, 2016
25. Mukeshchand Thakur , Ashmi Mewada , Sunil Pandey , Mustansir Bhoori , Kanchanlata Singh , Maheshwar Sharon , **Madhuri Sharon**
Milk-derived multi-fluorescent graphene quantum dot-based cancer theranostic system
Materials Science and Engineering C 67 (2016) 468–477
26. S. S. Kawale, Rakesh Afre , **Madhuri Sharon**, C. H. Bhosale, Maheshwar Sharon;
Carbon: A zero Indirect Band Gap Material Journal of Advances in Physics; **2016**, 11,(7): 3546 - 3550
27. Abhijit Nath, **Madhuri Sharon**, Neeraj Sarma, Chira Bhattacharjee,
Catalyst free biogenic synthesis and electrochemical behaviour of monodispersed carbon nanospheres accessed from seeds of a tropical ornamental plant, Delonix regia
Materials Letters, **2016**
28. Anil Karn, Maheshwar Sharon and **Madhuri Sharon**,
MEDICINAL APPLICATION OF NAPHTHYL-ISO-QUINOLINE ALKALOID FROM ANCISTROCLADUS – A Review
INDIAN JOURNAL OF APPLIED RESEARCH, 6(2): 89 – 92, **2016**
29. Seema Manchanda, Manoj Rathode, **Madhuri Sharon**, Maheshwar Sharon. *Suitability of Carbon Nano Tubes as Drug Carrier.*International Journal of Theoretical and Applied Sciences, 8(20): 50-53, **2016**
30. Bholanath Mukherjee, **Madhuri Sharon**, Golap Kalita, Maheshwar Sharon

Ambiguity in determining H₂ adsorption capacity of carbon fiber by pressure technique

International Jour. Hydrogen Energy, 41: 2671 – 2676, **2016**,

DOI: 10.1016/j.ijhydene.2015.12.110 [Impact Factor: 3.31]

31. **Madhuri Sharon**, Neeraj Mishra, Bhushan Patil, Ashmi Mewada, Raju Gurung, Maheshwar Sharon;

*Conversion of polypropylene to two-dimensional graphene, one-dimensional carbon nano tubes and zero-dimensional C-dots, all exhibiting typical sp²- hexagonal carbon rings. IET Circuits, Devices & Systems, Volume 9, Issue1, January **2015**, p. 59 – 66
DOI: 10.1049/iet-cds.2014.0117 , Print ISSN 1751-858X, Online ISSN 1751-8598*

32. Geetha Viswanathan, Sanjukta Bhowmick and **Madhuri Sharon**

“Impact of Temperature and Carrier Gas on the Morphology of Carbon Nanomaterials Obtained from Plant Latex” International Journal of Engineering Technology Science & Research, 2 (5), 2015 [Impact factor 1.072]

33. **Madhuri Sharon**; *A peep into what was behind the incorporation of gold nanoparticles in Nano Medicine* ; Journal of Nanomedicine Research; Editorial article . 2 (2). 2015

34. Rohan Narayan Kesarkar, Madhuri Yeole, Bhagyashri Dalvi, **Madhuri Sharon**, Abhay Chowdhary;

*Simplistic approach towards synthesis of highly stable and biocompatible L-cysteine capped gold nanospheres intermediate for drug conjugation; International Journal of Pharmaceutical Sciences Review and Research; 31(1): 143-146, **2015***

35. **Madhuri Sharon**

A Peep into the Suitability of Carbon-dots in Health-care and Drug-delivery

Chapter 19, in book entitled NANOMATERIALS SYNTHESIS-APPLICATIONS

Pg. 100 – 104, **2015** Ed. By K.Jagdeo & B. Mukherjee; Publisher Pendharkar College, India

36. H. K. Dubey D. E. Kshirsagar V. S. Jadhav L. P. Deshmukh, **Madhuri Sharon** & Maheshwar Sharon. *CHAPTER 15: Synthesis, characterization and electrical properties of SbSI and SbTeI* in book entitled NANOMATERIALS SYNTHESIS-APPLICATIONS Pg. 79 – 85, **2015**, Ed. By K.Jagdeo & B. Mukherjee; Publisher Pendharkar College, India
37. Sandesh Jaybhaye, India. Alberto Ansaldo Davide Ricci , Ermanno Di Zitti, **Madhuri Sharon** Maheshwar Sharon
CHAPTER 18 Taguchi Optimization Techniques for Growth Synthesis of Single-Walled Carbon Nanotubes in book entitled NANOMATERIALS SYNTHESIS-APPLICATIONS , Pg. 95 – 99, **2015**, Ed. By K.Jagdeo & B. Mukherjee; Publisher Pendharkar College, India
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EDUCATIONAL QUALIFICATIONS

Degree

University

Year

B.Sc. (Hons.)	Bhagalpur, India	1962
M.Sc.	Patna, India	1964
Ph.D.*	Leicester ,U.K.	1969 (Merit Scholarship UK)
Post Doc..Fellow	Bolton Institute of Technology, UK	

* Ph.D. Thesis entitled “**Auxin transport in roots of young Pea seedlings**”.