

HARMAN

RESEARCH

**ISO 9001 : 2015
Certified Institution**

**17 Years
of Service**

**Research
Training
Testing
Consultancy
Publications**



**HARMAN INSTITUTE OF
SCIENCE EDUCATION AND RESEARCH**

92, Baskarapuram, Near New Bus Stand, Trichy Road,
Thanjavur 613 005



Our websites: <http://harmanresearchcentre.com>; <http://www.harmanpublications.com>
Contact Nos: +919842545052; +918220315442; +919381520372 **E. mail :** harmanra@gmail.com

- Research cum learning institute focus on modern and next generation research studies without compromising traditional pedagogy methods.
- Nourish the young minds of students and research scholars with hidden talents and kindle the spirit of research.
- Employs classroom teaching and vital tools of research with well furnished classrooms, laboratory and library. Classroom teaching is aided by electronic audiovisual aids.
- This institute provide basic education and as a continuum higher education and research in the field of health, allied health sciences, agriculture and environmental sciences.

QUALITY OBJECTIVES

- To Generate high quality and innovative research
- The provision of guidelines for ear marking research activity
- To develop state of the art infrastructure.
- To impart globally focused research and creating world class professionals.
- To promote research, training and facilitate science research and related scholarly activities
- To establish synergetic relationship with Industry, Universities and Research institute.
- To develop a local, national and international profile as a centre for research.
- To publish research findings through dissemination in a peer-reviewed impact Journals

QUALITY POLICY

- Facilitated to undertake Research and Development programmes, consultancy services and training programmes to evolve appropriate solutions to the diverse scientific problems faced by the students and researchers.
- It is committed for the timely and successful completion of research and development, training and consultancy projects to the entire satisfaction of students and research scholars.

Our Services

At Harman Research, we offer a wide range of research services to support your research needs in journal publication, preclinical, Thesis writing assistance and research consultant. Our expertise combines science and innovation with a culture of operational excellence to offer you the best of all.

1. In Plant-Training
2. Research Assistance
3. Research Consultant
4. Thesis Writing Assistance
5. Journal Publications Assistance
6. Testing

Pharmacognocny

- Physicochemical analysis (ash values, moisture content, minerals content, extractive values etc)
- Microscopic study (TS, powder study, vein lets, vein termination, stomatal index etc)
- Fluorescence analysis, Histochemical analysis

Phytochemistry

- Extraction of raw materials with different methods
- Phytochemical analysis (Qualitative and Quantitative)
- Vitamin Analysis (Qualitative and Quantitative)
- Inorganic element analysis (Qualitative)
- Thin Layer Chromatography (Separation of Flavonoids, Terpenoides, Quercetin etc.)
- Column Chromatography (Separation of Phyto-compounds)
- Hands on Training in phytochemical techniques, nanotechnology and Electrophoresis

Analytical Services

- GC MS, HPLC
- Uv. Visible Spectrum, FTIR
- Column Chromatography
- Centrifugation (Upto 25,000 RPM-REMI Cooling Centrifuge)

- Electrophoresis (Horizontal, vertical and slab)
- Paper Chromatography
- Thin Layer Chromatography
- EDX, XRD, SEM

In Vitro Activity

- *In silico* studies (Docking studies)
- Antimicrobial activity
- Antioxidant activity
- Anticancer activity (Cell line)
- Anti-inflammatory activity
- Hepatoprotective activity
- Antioxidant activity in hepatocytes
- Antioxidant activity in RBC
- Thrombolytic activity
- Genotoxicity activity
- Antiproliferative activity (Yeast)
- Antimitotic activity (Onion)
- Larvicidal activity
- Antidiabetic activity

Water/ Food analysis

Our Services

Nanotechnology

- **Synthesis of NPs from chemical and biological methods**
 1. Silver
 2. Cu
 3. Ti
 4. Iron
- **Biological applications of NPs**

PRE-CLINICAL STUDIES

1. Anti-Ageing activity
2. Anti-Anemic activity
3. Anti-Arthritic activity
4. Anti-Atherosclerosis activity
5. Anti-Cancer activity
6. Anti-Diabetic activity
7. Anti-Infertility
8. Anti-Inflammatory activity
9. Anti-Pyretic and analgesic activity
10. Anti-Stress activity
11. Anti-Ulcer
12. Cardioprotective activity
13. Chemical and Metal toxicity
14. Genoprotective activity
15. Heart related diseases
16. Hematological work
17. Hepatoprotective activity
18. Hypolipidemic activity
21. Kidney related diseases

- **Characterization of NPs**

1. UV.Vis
2. FTIR
3. SEM
4. EDX 5. XRD

22. Liver related diseases
23. Lungs related diseases
25. Nephroprotective activity
26. Neurodegenerative activity
27. Generation of Bio-electricity
28. Wound healing activity

Environmental studies

1. Alcohol toxicity
2. Antimicrobial activity
3. Cigarette smoke exposed Toxicity
4. Drug toxicity
5. Effect of probiotic in fish
6. Mosquito coil toxicity
7. Pesticide toxicity

Histopathological studies

Histochemical studies

BOOKS PUBLICATIONS: www.harmanpublications.com

Harman Research Institute: <http://harmanresearchcentre.com>

ASSOCIATED JOURNALS

World Journal of Science and Research: <http://harmanpublications.com>

Asian Journal of Innovative Research: <http://asianjir.com>

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HARMAN PROJECT INSTITUTE

Subjects: Biochemistry, Biotechnology, Bio-Engg., Bioinformatics, Microbiology, Botany, Zoology, Chemistry, Pharmacology, Pharmacy, Pharmacognosy, Herbal technology and Toxicology.

Degrees : B.Pharm., B.Tech., M.Sc., M.Pharm., M.Tech., M.Phil., Ph.D., M.D., (Siddha)

HARMAN INSTITUTE OF ELECTROPHORESIS

Offers various Training programmes on *Electrophoresis techniques* to the faculty, students and research scholars. Training programmes Offered : Summer/Winter/Short-term programs
Electrophoresis techniques such as Horizontal, Vertical slab gel system, Tube/Rod gel system, Submarine/ Agarose gel systems, 2D Gel systems, Paper Electrophoresis, Sequencing systems and Gel Documentation system.

HARMAN PUBLICATIONS (JOURNALS AND BOOKS)

World Journal of Sciences and Research (ISSN : 2455 2208)

Authors are requested to submit your research work as Email: editorwjrs@gmail.com; See our website: <http://www.harmanpublications.com>

Asian Journal of Innovative Research (ISSN : 2455 7285)

Authors are requested to submit your research work as Email: editorajir@gmail.com; See our website: <http://asianjir.com/>

Books Publications (<http://www.harmanpublications.com>)

Publish your subject books and dream books, conference/seminar/symposium proceedings in our website at stumpy cost with ISBN.

SOCIETY FOR BIOLOGICAL SCIENCE ASSOCIATION (SBA)

Professional Membership for students, faculty, scientist and research scholars.

Life membership, Annual and Sessional membership

Membership form available at <http://www.harmanpublications.com>

For Registration,

The Director,

Harman Institute of Science Education and Research,

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Thanjavur, Tamil Nadu, South India

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