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PROGRAMME REPORT ON

2nd International Symposium on RESEARCH METHODOLOGY:HYPOTHESIS TO CITATION-2nd International Symposium on RESEARCH METHODOLOGY:HYPOTHESIS TO CITATION

Resource Person

Nine speakers

Organized by

Bio-Tech- PMIST

Name of the programme	2nd International Symposium on RESEARCH METHODOLOGY:HYPOTHESIS TO CITATION
Date	01.02.2024
Venue	Richard Dawkins Hall
Number of Participants	230
Resource Person:	1. Dr. P. K. Srividhya, Registrar, Periyar Maniammai Institute of Science & Technology,(Deemed to be University), Thanjavur, India 2. Dr. G. Jagadeesh, Formerly, Senior Expert Pharmacologist, Division of Pharmacology & Toxicology, Office of Cardiology, Hematology, Endocrinology, and Nephrology, Center for Drug Evaluation and Research, US Food and Drug Administration, Maryland, USA 3. Dr. Arasu chellaiah, Professor, University of Maryland, Baltimore, USA 4. Dr. Murugan Thangiah, SLAS-Department of Liberal Arts & Humanities, Faculty of Social Sciences & Leisure Management, Taylor’s University, Selangor, Malaysia 5. Dr. Renukha Sellappans, Head, School of Pharmacy, Faculty of Health and Medical Sciences, Taylor’s University, Selangor, Malaysia 6. Dr. Balakumar Pitchai, Professor & Director, RT&P-The Office of Research & Development, Periyar Maniammai Institute of Science & Technology (Deemed to be University), Thanjavur, India; Adjunct Professor of Pharmacology, School of Pharmacy, Taylor’s University, Selangor, Malaysia; & Consulting Editor-Pharmacological Research-Elsevier. 7. Dr. Shubhada Nagarkar Department of Library and Information Science, Coordinator, Centre for Publication Ethics, Savitribai Phule Pune University, Pune, India 8. Dr. Hema Subramonian ,Head, Centre for Higher Degrees by Research (CHDR), Taylor's University, Selangor, Malaysia 9. Dr. Saravanan pandiaraj, Department of Self Development Skills-Exam Center Supervisor, CFY Deanship, King Saud University, Riyadh, Kingdom of Saudi Arabia
Report of the Event OBJECTIVE: Objectives aim to cover the essentials of the research process while promoting best practices across various aspects of scientific research. The following major objective are covered in the event are 1. Enhancing Understanding of Research Process, 2. Addressing Challenges in Hypothesis Formulation and Citation 3. Promoting Ethical Research Practices 4. Improving Publication Readiness 5. Introducing Emerging Trends and Technologies in Research SUMMARY: The International Symposium on Research Methodology: Hypothesis to Citation brings together a distinguished group of experts to explore various facets of academic research and its critical role in societal growth and transformation. The sessions cover a wide range of topics that guide researchers through each stage of the research process, from formulating research questions and hypotheses to managing citations effectively. Dr. P. K. Srividhya’s keynote address highlights the essential role of academic research in driving societal progress. The symposium continues with sessions that delve into creative thinking in research design (Dr. G. Jagadeesh), the unpredictability of experimental	

research (Dr. Arasu Chellaiah), and the integration of AI/ML in literature search and data collection to ensure quality and integrity in research (Dr. Murugan Thangiah).

Further sessions tackle important aspects like mastering research approaches (Dr. Renukha Sellappans), crafting manuscripts to avoid rejection (Dr. Balakumar Pitchai), and promoting transparency and ethics in scientific research (Dr. Shubhada Nagarkar). The event also addresses the changing dynamics of publication metrics and citations in academia (Dr. Hema Subramonian), and strategies for fostering international collaboration to achieve high-impact research outcomes (Dr. Saravanan Pandiaraj). With these sessions, the symposium offers a comprehensive platform for researchers to enhance their methodological skills, gain insights into ethical research practices, and build connections for global academic collaboration.

OUTCOME:

Participants gained a deeper understanding of selecting appropriate research approaches, crafting manuscripts to avoid rejection, and maintaining ethical standards in scientific research. Additionally, the symposium emphasized the evolving landscape of publication metrics, citations, and university rankings, while encouraging international collaboration for achieving high-impact academic outcomes. Ultimately, the event equipped researchers with the tools, knowledge, and strategies needed to enhance their research quality, promote transparency, and foster global academic partnerships.



Programme schedule / Circular / brochure:

CHIEF PATRON
Dr. K. VEERAMANI, Chancellor

PATRON
Dr. V. RAMACHANDRAN, Vice-Chancellor

Co-PATRON
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Dr. R. MALLIKA, Additional Registrar

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Dr. ANBARASU KUMAR, Ph.D.
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Ms. P. MALA, M.Tech.
Ms. R. RAMYA, M.Tech.
Ms. S. KEERTHANA, M.Tech.
Dr. T. RUBY NIRMALA MARY, Ph.D.

Registration Fee (Incl. of GST)
Offline Participation: Rs. 500
Online Participation: Rs. 300

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2nd International Symposium on
RESEARCH METHODOLOGY: HYPOTHESIS TO CITATION

Date: 01 February 2025 | Time: 09.30 am-04.30 pm
Venue: Richard Dawkins Hall, PMIST

Organized by
THE OFFICE OF RESEARCH & DEVELOPMENT

In Association with
DEPARTMENT OF BIOTECHNOLOGY
Periyar Maniammai Institute of Science & Technology
(Deemed to be University), Thanjavur 613403, India
www.pmu.edu | directoripr@pmu.edu; headbio@pmu.edu
Contact: Dr. C. Arun +91 9944072068 | Mr. S. Arunmurugan +91 8015737083

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OVERVIEW OF THE SYMPOSIUM
The legitimacy of scientific investigations relies on research methodologies, indexed publications, scientific ethics, innovations, and global collaboration. These components ensure the integrity, accountability, and transparency of science. Artificial intelligence and machine learning must be used carefully to preserve research integrity and quality.

Ethical challenges, such as data manipulation and authorship disputes, must be addressed to ensure responsible scientific progress. This intersection is crucial for shaping academia, catalyzing international collaboration, and building public confidence in the scientific community. Quality, impact, and global collaboration are prioritized in publications, citations, and institution rankings. The future of education and discovery is shaped by innovation, interdisciplinary research, ethical standards, and societal relevance. Henceforth, Periyar Maniammai Institute of Science & Technology (Deemed to be University), India organizes this International Symposium.

PROGRAMME SCHEDULE

Session 1 - 10:00 am - 10:15 am
ACADEMIC RESEARCH: A PILLAR OF SOCIETAL GROWTH AND TRANSFORMATION
Dr. P.K. SRIVIDHYA
Registrar, Periyar Maniammai Institute of Science & Technology, (Deemed to be University), Thanjavur, India

Session 2 - 10:15 am - 11:00 am
CREATIVITY AND THINKING PARADIGMS IN FORMULATING RESEARCH QUESTIONS AND DESIGNING HYPOTHESIS-DRIVEN RESEARCH PROPOSALS OR PROTOCOLS
Dr. G. JAGADEESH
Formerly, Senior Expert Pharmacologist, Division of Pharmacology & Toxicology, Office of Cardiology, Hematology, Endocrinology, and Nephrology, Center for Drug Evaluation and Research, US Food and Drug Administration, Maryland, USA

Session 3 - 11:00 am - 11:30 am
EXPERIMENTAL RESEARCH: EXPECTING THE UNEXPECTED
Dr. ARASU CHELLAIAH
Professor, University of Maryland, Baltimore, USA

Session 4 - 11:45 am - 12:15 pm
BEST PRACTICES IN LITERATURE SEARCH AND DATA COLLECTION USING AI/ML: ENSURING QUALITY AND INTEGRITY IN SCIENTIFIC RESEARCH
Dr. MURUGAN THANGIAH
SLAS-Department of Liberal Arts & Humanities, Faculty of Social Sciences & Leisure Management, Taylor's University, Selangor, Malaysia

Session 5 (12:15 pm - 12:45 pm)
UNLOCKING RESEARCH SUCCESS: MASTERING THE ART OF CHOOSING BETWEEN QUANTITATIVE, QUALITATIVE, AND MIXED RESEARCH APPROACHES
Dr. RENUKHA SELLAPPANS
Head, School of Pharmacy, Faculty of Health and Medical Sciences, Taylor's University, Selangor, Malaysia

Session 6 (01:45 pm - 02:15 pm)
CRAFTING A WORLD-CLASS MANUSCRIPT: HOW TO AVOID DESK REJECTION OF YOUR MANUSCRIPT
Dr. BALAKUMAR PITCHAI
Professor & Director, RT&P-The Office of Research & Development, Periyar Maniammai Institute of Science & Technology (Deemed to be University), Thanjavur, India

Session 7 - 02:15 pm - 02:45 pm
TRUTH AND TRANSPARENCY IN RESPONSIBLE SCIENCE: ETHICS IN SCIENTIFIC RESEARCH AND SCHOLARLY PUBLISHING
Dr. SHUBHADA NAGARKAR
Department of Library and Information Science, Coordinator, Centre for Publication Ethics, Savitribai Phule Pune University, Pune, India

Session 8 - 03:00 pm - 03:30 pm
SHAPING TOMORROW'S ACADEMIA: THE EVOLVING METRICS OF PUBLICATIONS, CITATIONS AND UNIVERSITY RANKINGS
Dr. HEMA SUBRAMONIAN
Head, Centre for Higher Degrees by Research (CHDR), Taylor's University, Selangor, Malaysia

Session 9 - 03:30 pm - 04:00 pm
CATALYZING INTERNATIONAL COLLABORATION: STRATEGIES FOR ACHIEVING HIGH-IMPACT ACADEMIC RESEARCH OUTCOMES
Dr. SARAVANAN PANDIARAJ
Department of Self Development Skills-Exam Center Supervisor, CFY Ownership, King Saud University, Riyadh, Kingdom of Saudi Arabia

TARGET AUDIENCE
Postgraduates, pre- and postdoctoral fellows, researchers, and faculties of biomedical, engineering, pharmacy, computer science, architecture, management, science and arts, and delegates from industry.

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Participant's list

Department of Biotechnology
Periyar Nagar, Vallam, Thanjavur - 613 403,
Tamil Nadu, India
Phone : +91-4362-264600 Fax : +91-4362-264660
E-mail: headbio@pmu.edu Web : www.pmu.edu



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2nd INTERNATIONAL SYMPOSIUM ON RESEARCH METHODOLOGY: HYPOTHESIS TO CITATION ON 1st FEBRUARY 2025

Date: 01.02.2025

Venue: Richard Dawkin's Hall

Sl.No	Student Name	Department	Designation	Signature
1.	S. Mary Priteera	Commerce	Research Scholar	S. Mary Priteera
2.	P. Daniel	Nanotech	M. TECH	P. Daniel
3.	K. USHA	physics	M.Sc	K. Usha
4.	S. Nareesh Kumar	Pharmacy	M. Pharm	S. Nareesh Kumar
5.	A. R. RAVITHA.	Mathematics	Research Scholar	A. R. Ravitha
6.	P. Subhasri	Biotechnology	B. Tech - III rd year	P. Subhasri
7.	V. Ramya	Aerospace	B. Tech - II nd Year	V. Ramya
8.	M. SURUTHIKA	Mathematics	Research Scholar	M. Suruthika
9.	B. Lavitha	Mathematics	Research Scholar	B. Lavitha
10.	R. DEVANI	Aerospace	B. Tech	R. Devani
11.	S. Janani	Zoology	Research Scholar	S. Janani
12.	P. Elavarasi	Zoology	Research Scholar	P. Elavarasi
13.	G. SENTHILKUMAR	Control	Asst. Prof (SS)	G. Senthil Kumar
14.	Dr. A. MANOHAR	CHEMISTRY	Asso. prof.	Dr. A. Manohar
15.	DR. M. KARTHIKE-AN	CHEMISTRY	Asst. Prof (SS)	M. Kartikeyan

16.	Dr. G. MANIVANNAN	Chemistry	AP	G. Mani
17.	Dr. C.M. VIVEK	Mechanical	AP (SG)	C. Vivek
18.	P. VENKATESAN	CA		P. Venkatesan
19.	K. Kalaiyandasan	Civil Engg	Research Scholar	K. Kalaiyandasan
20.	S. Vannathi Vidhyashini	Biotech	Research scholar	S. Vannathi
21.	A. RAJARESHMAN	Research	Civil,	A. Rajareshman
22.	S. JOVITA JONES	PHYSICS	Research scholar	Jovita
23.	R. Shakthi	Pharmacy	Faculty	R. Shakthi
24.	V. Divya Jothi	Pharmacy	Faculty	V. Divya
25.	Mukesh. M	Pharmacy	Student	Mukesh. M.
26.	B. RADAVI	Chem	Research Scholar	B. Radavi
27.	S. Jayashree	Biotech	Student	Jayashree
28.	S. Gupta	Biotech	Student	S. Gupta
29.	P. Aishwarya.	CSE	Student	P. Aishwarya
30.	C.N. Vathini	CSE	Student	C.N. Vathini
31.	M. Prayachandran	Chem	Research scholar	M. Prayachandran
32.	Dr. M. VISWALINGAM	chem	Faculty	M. Viswalingam
33.	S. Subiksha	physics	Research scholar	S. Subiksha
34.	B. Balasubrahmaniam	commerce	Research scholar	B. Balasubrahmaniam
35.	M.S. Yameen	CSE	Student	M.S. Yameen
36.	K. Sura Prayan	CSE	Student	K. Sura Prayan
37.	Dr. Meethi Kovan	Chemistry	Faculty/AP	Dr. Meethi Kovan
38.	M. AKSHARA	Biotech	student	M. Akshara
39.	S. Nithya sui	Biotech	student	Nithya Sui

40.	Priyadharshini . V	Physics	Research scholar	VDS
41.	Jamila Farhana . F	Biotech	B.Tech	J. Th. Th.
42.	KAVITHA . G.	PHYSICS.	Research scholar	Gulw.
43.	V. HARITHRA .	CIVIL	Research scholar	H. Dh.
44.	S. Keerthana	Biotech	AP / RS	SD
45.	A. AKALYA	Chemistry	Research scholar	A. J.
46.	M. Vinodha	B. Pharm	student DKOP - Aranam	Vinodha . M
47.	C. ABINAYA	B. PHARM	student DKOP - Aranam	C. Shree
48.	Aarti Raja	B. Pharm	student DKOP - Aranam	Aarti Raja
49.	Monika	Asst. Bot	DKOP - Aranam	Monika
50.	R. Sambadani	M. Pharm	DKOP - Aranam	R. S.
51.	M. Nidhisra	Chemistry	Research scholar	M. Nidhisra
52.	K. AARTHI VISALI	Languages	Research scholar	K. A. V.
53.	AKSHAYA S	Languages	Research scholar	A. S.
54.	Susitha Dhas . Y . S	ESMD	I . M . SC	Susitha
55.	Sneha . T	ESMD	I . M . SC	T. Sneha
56.	Abinaya . V	Bio . Tech	I . M . SC	V. Abinaya
57.	RADHIKA . R	BIO TECH	RESEARCH SCHOLAR	R. Radhika
58.	Baghya Lakshmi . M	[PART TIME] BIO TECH	IV yr	M. Baghya
59.	J.S. Bala Bharathi	BIO TECH	IV yr	J. S. B.
60.	C. Megapriyadharshini	Bio tech	III yr	C. Megapriya
61.	S. Keerthana Varshini	Biotech	III rd yr	S. Keerthana
62.	Jenisha . S	Biotech	III rd year	J. S.
63.	Hari Haran . K	Biotech	III rd year	K. Hariharan

64.	Aleena Treasa Saji	M.Sc Biotech	2nd yr M.Sc	Shreya Saji
65.	Neha Beju	Mt Biotech	2nd yr M.Sc	Neha
66.	Pranavna . K	Biotech	2nd Yr M.Sc	K. Pranavna
67.	Shifa . S	Biotech	2nd Yr M.Sc	S Shifa
68.	Dhruva Doshi	Biotech	2nd Yr M.Sc	R. Dhruva
69.	Pranavna . K Kaviyazh	Biotech	2nd Yr M.Sc	Pranavna
70.	Karimozhi . M	Biotech	2nd Yr M.Sc	M. Karimozhi
71.	Adithya V Pillai	"	"	Adithya
72.	G. Prayathashini	Bio-Tech	Tech - ASST	G. Prayathashini
73.	V. Dharmozhi	BioTech	2A	V. Dharmozhi
74.	V. Jeffy Adline	M.Tech Nano	2nd year	Adline
75.	Mrs. P. Naza	Biotech.	AP/Biotech	(P.N.)
76.	M. Sivakumar	Biotech	BP/Biotech	M. Sivakumar
77.	A. Fahima Afshan	Biotech	iv yr	A. Fahima
78.	Vaishnavi . P	Biotech	iv year	Vaishnavi P
79.	Abirami . V	Biotech	iv year	Abirami . V
80.	Sangeetha . R	Biotech	IV Year	Sangeetha . R
81.	SNARRSHA	BIO TECH	iv th year	SNARRSHA

Coordinator

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11/2/25

[Signature]
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Convenor

(Dr. S. Kumar)

[Signature]
Dr. A. Ashokkumar

[Signature]
[Dr. - Gesto]

Feed back

Feedback PMIST 2nd International Symposium 01.02.2025 (Responses) ✖ ☰ ☰

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1	Timestamp	Email Address	Name of the Registered Participant	Mode of participation	Organization Name	WhatsApp Number	Level of skill / Knowledge acquired at end of	The quality of topics discussed
23	2/1/2025 16:45:10	pradeeppradeep5848@gmail.com	M.PRADEEP	Online	Veterinary College and F	8098812085	Very High	Excellent
24	2/1/2025 16:46:57	divyamani44554@gmail.com	M.Divyapriya	Online	PMIST 2 nd international	7339489062	High	Excellent
25	2/1/2025 16:51:23	jovitaasa252@gmail.com	Jovita Jones, S	Offline	Periyar maniammai insti	8098304737	High	Outstanding
26	2/1/2025 16:52:41	josiarul@gmail.com	A.MARRY JOSI CECILYAH	Online	St.Joseph's College of Er	9443287153	High	Outstanding
27	2/1/2025 16:52:53	rajaduraishalini210@gmail.com	K.R. SHALINI	Offline	Periyar maniammai insti	6369317407	Very High	Excellent
28	2/1/2025 16:53:29	tarunums@gmail.com	A UMA	Online	Trichy Engineering Colle	9865996448	Very High	Outstanding
29	2/1/2025 16:53:31	subivimala@gmail.com	Subiksha S	Offline	Periyar Maniammai Insti	6380114029	Very High	Outstanding
30	2/1/2025 16:54:18	shahidparvez.s@jkkn.ac	Shahid parvez S	Online	JKKN College of Pharma	8098075828	High	Good
31	2/1/2025 16:57:48	karthichemist10@gmail.com	Dr. M. KARTHIKEYAN	Offline	Periyar Maniammai Insti	9790280194	Very High	Outstanding
32	2/1/2025 16:57:51	priyanarayan97@gmail.com	Dr.M.RANGA PRIYA	Online	Excel college of Pharma	7708947364	High	Excellent
33	2/1/2025 16:58:36	peterprince2917@gmail.com	J. peter Prince	Online	Excel College of Pharma	9566554360	High	Outstanding
34	2/1/2025 16:58:38	prasanth_v@jkkn.ac.in	V.PRASANTH	Online	JKKN college of pharma	6384195463	High	Good
35	2/1/2025 17:01:07	sivacute2101@gmail.com	Sivaprakash M	Online	Excel college of pharma	7530036295	High	Excellent
36	2/1/2025 17:02:03	ziaul.karim@nitte.edu.in	ZIAUL KARIM	Online	Nitte College of Pharma	7063381716	High	Excellent
37	2/1/2025 17:02:10	madhulikarnital24@gmail.com	Madhulika Mittal	Online	Quantum University, Roo	9094622509	Very High	Outstanding
38	2/1/2025 17:02:57	ashagolasangimath199@gmail.com	Asha Golasangimath	Online	SET's College of Pharma	9844575181	High	Excellent
39	2/1/2025 17:03:07	bhupendrabr@yahoo.co	Bhupendra Ram	Online	Quantum University	9311528032	Very High	Outstanding
40	2/1/2025 17:03:38	hemabalan2001@gmail.com	HEMALATHA.J	Online	Mookambigai College of	9944884806	High	Outstanding
41	2/1/2025 17:04:51	priyankaerode95@gmail.com	Priyanka M	Online	Excel college of pharma	6374188874	Very High	Outstanding
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43	2/1/2025 17:05:19	pradeep177@gmail.com	PRASANTH SIVAKUMAR	Online	Excel College of Pharma	9600770179	High	Excellent

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on 01 February 2025 organized by
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Department of Biotechnology,
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(Deemed to be University) Thanjavur, Tamil Nadu, India.

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Convener, Head - Department
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Convener,
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of Biotechnology

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Mode: ☒ Online / ☐ Offline

Dr. K. GEETHA

Convener, Head - Department
of Biotechnology

Dr. S. KUMARAN

Convener,
Director, IPB

Dr. P. K. SRIVIDHYA

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Dr. K. Geetha
[Signature]
Head
Department of Biotechnology
Periyar Maniammai Institute of
Science & Technology, Vallam
Thanjavur - 613 403, Tamil Nadu

01_Objective