



**M.V.T.DHANANJEYAN
PRINCIPAL SCIENTIST**

Contact

Address : Electrochemical Power Sources Division
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Employee ID Number : **40217**

Date of Birth : 25 mar 1965

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Academic Qualifications

Doctoral (1996) Osmania University, Hyderabad, India
Topic: Preparation and Characterization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-3}$ (YBCO) and $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+x}$ (BSCCO) Superconducting tapes.

M.Sc. (1989) The American College, Madurai, India
Subject: Physics

Experience

24 - years

Research Experience

24- Years

Additional Responsibilities

1. Faculty of “Anna University and ACSIR”

Areas of Research

SUPER-CONDUCTIVITY, SOLAR CELL , BATTERIES AND SUPER CAPACITORS.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF		
	Ph.D.	COMPLETED	
	M.Phil.		
Projects	PG		

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/chapters/ monographs/manuals
18	2		4	

Funded Research Projects

Ongoing Major Research Projects

S.No	Title	Funding Agency	Amount (Rs. In lakhs)	Duration
1	REFURBISHED CATHODE MATERIAL FROM SPENT LITHIUM-ION BATTERIES: A DIRECT APPROACH TOWARDS RENEWABLE FEED STOCK	CSIR	2.52 Cr	2 YEARS

Completed Major Research Projects

S.No.	Title	Funding Agency	Amount (Rs. In lakhs)	Duration
1	GAP 09/03 - To evolve a non-destructive method to evaluate the state of charge of un-activated primary silver oxide-zinc batteries	DRDO	18 L	2 YEARS
2	TLP 02/12 : Development and Commercialization of Soleckshaw Lite - An innovative Electric Green Transport Platform. 11 TAPSUN Innovative solutions for Solar Energy storage	CSIR		
3	RSP-4011: To carry out R&D Activities focused at Rural Development under CSIR 800 Program during the financial year 2015-2016	CSIR		
4	IHP 0095: Development of Magnesium -Silver chloride sea water activated battery	CSIR	10 L	1 YEAR
5	SSP 05/2019 IDENTIFICATION OF COMPOSITION AND DESIGN OF RESERVE BATTERY	TUNGA		6 MONTH
6	IHP-0150: DEVELOPMENT OF " HIGH RATE – HIGH CAPACITY LEAD ACID BATTERY USING CONVENTIONAL GRID "	CSIR	3 L	1 YEAR
7	SSP 38/2019 FAILURE MODE ANALYSIS OF LITHIUM ION 18650 CYLINDRICAL CELL	TVS COMPANY	5 L	6 MONTH
8	Electochemically prepared Ni-foam for industrial application	TAPSUN		2 YEAR

Patents

1. State of charge of silver-Zinc secondary battery by non-destructive method" – 2012
2. An Electrochemical Process for the preparation of Metallic Lead Foam USPatent2179US186
3. Light Weight Lead Acid Battery using Metallic Lead Foam Electrodes Ref.No.- 0049NF15

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: --

Distinctive Achievements / Awards

Events Participated

Conferences / Seminars / Workshops:

International Seminars: 2

National Seminars: 4

Membership in Professional Bodies

Referee for the International Journals

Resource persons in various capacities

Number of Invited / Special Lectures delivered:

Others

1. No. of PhD Thesis Evaluated
2. No. of PhD Public Viva Voce Examinations conducted

Publications

Google Scholar citations: Not Mandatory