



Dr.M. GANESAN
Senior Principal Scientist

Contact

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Academic Qualifications

M.Sc., Ph.D

Experience

33 Years

Research Experience

33 Years

Additional Responsibilities

Areas of Research

1. Materials for Lithium ion battery
2. Recycling of Lithium ion battery materials
3. Lead acid battery
4. Supercapacitor
5. Sea water activated battery
6. Aluminium Air battery
7. Zinc extractive metallurgy

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF		
	Ph.D.		
	M.Phil.		
Projects	PG	30	

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/chapters/ monographs/manuals
50		5	15	

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	252.00	2 years
2	Failure mode analysis of Lithium ion 18650 cylindrical cell	M/s TVS Motor company Limited	5.00	6 months

Completed Major Research Projects

S.No.	Title	Funding Agency	Amount (Rs. In lakhs)	Duration
1	Development of Lithium polymer battery	MNES	90.8	3 Years
2	Development of a non-destructive method to find out the state of charge (SOC) of silver oxide – zinc secondary battery	DRDO		
3	To evolve a non-destructive method to evaluate the state of charge of unactivated primary silver oxide – zinc batteries	DRDL		
4	Sol-gel synthesis and structural characterization of rare earth based solid electrolytes for lithium batteries	DRDO		
5	Feasibility study on the Development of miniature device for pulse power application	DRDL		
6	Consultancy from BPL, Bangalore to find out the cycle life of lithium – ion cell	M/s BPL India		
7	Development of lithium ion battery for multifarious applications	CSIR		
8	Technologies and products for solar energy utilisation through network (t	CSIR		
9	Identification of composition and design of Reserve battery	M/s Tunga Services (P) Limited	5.0	6 Months

10	Performance evaluation of 51.8 V/ 32 Ah Lithium ion battery packs as per test specifications/protocol given by client	M/s Ola Electric mobility private Limited	16.0	6 months
11	Reactivated LiCoO ₂ from spent Lithium ion batteries : A direct approach towards renewable feed stock	CSIR-CECRI		

Patents

7 Patents

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

Events Participated

Conferences / Seminars / Workshops:
International Seminars: 10

National Seminars: 10

Membership in Professional Bodies

Referee for the International Journals
Elsevier, Springer, RSC

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 10

Others

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

Publications

Google Scholar citations: Not Mandatory