

CURRICULAM VITAE OF G.MOHAN RAO

G.Mohan Rao
Retired Professor
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Currently Head, Research cell, Rajiv Gandhi University for Knowledge Technologies (APIIT), Nuzvid, Andhrapradesh

Academic background

M.Sc.(Physics) from S.V.University, Tirupati,
Ph.D (Engineering) from Indian Institute of Science, Bangalore

**Areas of Interest: Instrumentation, Materials Science, Applied Physics
International Interaction with universities in Denmark, Sweden, Finland and USA**

Research guidance

Ph.D	26	M.Sc(Engg.)	7	M.Tech	6
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Patents:

1. Fluorine surface modified lens making process, patent no.1837/CHE/2005,
2. Fluorine surface modified intraocular lens, patent no.1838/CHE/2005A,
3. High-aspect-ratio structures with hard ceramic coatings, apparatus and method of coating the structures(Patent Application No. 201641008129)
4. Novel multilayer thin film architecture for strain sensing on curved and rough surface of aero engine and parts thereof (patent application no. 2017411029311)
5. Exfoliated Graphite and method thereof (patent application no.201641047244)
6. Superparamagnetic Nanoparticle Mediated Water Remediation (IP filed)

Research Projects directed: More than 10. worth Rs.20 crores

Research publications

Refereed journals	245
Conferences	70
Technical Reports	08
Total	323
h-index	38

i 10 index 120

Citations 5000

Plenary/Invited Talks in National and International conferences: more than 150

Book Chapters: Plasma Induced Polymeric coatings in Non Thermal Plasma Technology for Polymeric Materials, Ed.Sabu Thomas etal, Elsevier publishers, 2018

Technology developed and transferred to industry

*High pressure oxygen sputtering of high Tc oxide films – Vacuum Techniques, Bangalore

*Large scale magnetron sputter cathodes for industrial applications – Hind High Vacuum Co., Bangalore

*Plasma surface modification of PMMA for intra ocular lens applications – Aurolab, Madurai

Awards

Indo-US Science and Technology fellowship

Fellow of Instruments Society of India

Edurite fellow

Professional service:

Advisor to Society for Innovation and Development, IISc

Editor, Journal of Instrument Society of India

President, Instrument Society of India (2018-2020)

Secretary, Instrument society of India (2008-2012)

Member, Research Advisory Council, JSS University, Mysore

Member, Board of Studies for more than 10 universities

Thesis evaluator for more than 25 universities, IITs and NITs in India and Abroad

Referee for various international Journals

Detailed CV can be found at <https://sites.google.com/view/gmrao>