

Formerly

Professor & in-charge
Powder Metallurgy & Ceramics Laboratory
Dept. Of Metallurgical Eng.& Materials Science,
IIT Bombay

Dr. Ramamohan. R. Tallapragada

M. Sc., M. Tech., Ph.D.

*CONSULTANT: POWDER METALLURGY, CERAMICS
AND DIAMOND TOOLS*

Visiting Professor

U.S.C., Los Angeles &
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Ref:

Dr. RAMAMOHAN RAJA TALLAPRAGADA

- PhD (1976) Ceramics, Indian Institute of Technology, Bombay, India
- M.Tech (1965) Metallurgical Engineering, Indian Institute of Technology, Bombay, India
- M.Sc (1963) Physics, Annamalai University, India
- B.Sc (1961) Physics (major), Andhra University, India

PROFESSIONAL EXPERIENCE

- Faculty positions held in the Department of Metallurgical Engineering and Materials Science, I.I.T. Bombay
- Professor February 1988 to July 2005,
- Associate Professor 1983 to 1988,
- Assistant Professor 1977 to 1983,
- Lecturer 1969 to 1977
- Visiting Professor in American Universities (On leave from I.I.T.Bombay) May, 1993 to September, 1994, Department of Mechanical & Aerospace Engg., Oklahoma State University, Stillwater,
- September, 1978 to September, 1980, Department of Materials Science and Engg., University of Southern California, Los Angeles

HONOURS AND AWARDS

- FPMIA- Life time achievement award of Powder Metallurgy Association of India 2007
- Bhagat Memorial Lecture- Indian Ceramic Society 2008
- R. V. Tamhankar Memorial Lecture- PMAI 2008
- Past President, Vice President General Secretary and Life Member of Powder Metallurgy Association of India (PMAI),
- Member, American Ceramic Society, American Society for Materials, Life Member, Society for Biomaterials & Artificial Organs of India, Life Member, Indian Ceramic society

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PROFESSIONAL ACTIVITIES

- Member of review committees for, P/M division DMRL, Hyderabad, Materials Group,
- B A R C, CMET, Hyderabad, N M R L, Mumbai, PRL Ahmedabad
- Organised as Convenor/ co-convenor 22 National and International level conferences
- Consultant to various metals, powder metallurgy, ceramics and diamond tool industries

RESEARCH PROJECTS UNDERTAKEN

Processing and Characterization of Powder metallurgy components, Advanced Ceramics, Diamond tools and Composites, Sol-gel processing of ceramic powders, Synthesis of nano titanium powders and composites, Synthesis of Hydroxy Apatite, Bio- glasses and their composites, Synthesis of high strength, bio compatible Titanium and functionally gradient Titanium composites, Sintering and mechanical properties of PSZ and ZTA ceramics, Reaction sintering of silicon nitride, Cordierite honeycombs, and Perovskite Catalysts for oxidation catalytic converters, Point defects and electrical behaviour of barium titanate PTC's, Zinc oxide varistors and high TC superconductors, Diamond and Cubic Boron nitride coatings by CVD, Mechanisms of material removal during fine polishing of advanced ceramics and glasses, Fine polishing of ceramics and glasses to nano- scale finish.

RESEARCH CONTRIBUTION

Edited 4 books, published over 140 technical papers, supervised 18 sponsored research, 130 graduate projects at M.Tech and PhD. Level and 210 projects at the under graduate level.

