

Name: Dr. G. V. Madhava Sharma, FTAS, FNASc
Designation and Affiliation: Former Chief Scientist
[Chairman, Health & Biotechnology, CSIR-IICT, Hyderabad)
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Hyderabad 500 044

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Expertise and Background: Around forty-five years of experience in Application Oriented Organic Synthesis with a special emphasis on the synthesis of natural products, heterocycles, carbohydrates, amino acids and peptides. Worked with the industry both from India (e.g., Ranbaxy, Dabur) and abroad (e.g., DuPont, Givaudan, SKB) on the route scouting, process optimization, early-stage drug discovery, and technologies for the bio-based chemicals for SGD.

Guided 52 Ph. D. students, published research articles (230), patents (15) and books/chapters (6). Received CSIR Young Scientist Award, NASI-Reliance Platinum Jubilee Award, Ranbaxy Research Award, AP Scientist Award, OPPI Scientist Award; Fellow of National Academy of Sciences, Telangana Academy of Sciences and Royal Society of Chemistry (UK).

Acted as Chairman, *Safety Implementation Committee* at CSIR-IICT, Hyderabad, and as the Co-ordinator for the *FIRST Indo-US Workshop on Chemical Security* in 2016 at Hyderabad organized by Chemical Security Program of US State Department (USA), PNNL (USA) and CSIR-IICT, Hyderabad). Invited Speaker and regular contributor to the subsequent Indo-US Workshops (2017-2022).

Position/Role in NACS: General Secretary

Professional Carrier:

1987-2005	Scientist / Asst. Director, Indian Institute of Chemical Technology, Hyderabad
2005-2010	Deputy Director, Indian Institute of Chemical Technology, Hyderabad
2009-2018 (Feb.)	Chief Scientist & Head, OBC and MCB Departments, CSIR-IICT, Hyderabad

Scientific Activities: Collaborations – National and International

1997-1998	National Inst. Health (USA) - anti-HIV IICT-187919	Project Leader
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1998-1999	Leukosite Inc. (USA) - New Routes to 5-LO inhibitors	Project Leader
1998-2001	SmithKlineBeecham, (UK) – SPOC/Process/Scaffolds	Project Leader
2000-2002	ArQule, Boston (USA) - Solution Phase Org. Chem.	Project Leader
2002-2002	NYBC, New York (USA) - entry inhibitors for HIV	Project Leader
2004-2005 ordinator	DuPont, Delaware (USA) - NCEs – agro chemicals	Proj. Co-
2004-2006	Givaudan, Zurich(Switzerland) - Routes - Fragrance Chem.	Project Leader
2008-2011	Indo-French (CEFIPRA) - Peptide based Organo Catalysis	Project Leader
2009-2011	Indo-Russian (DST-RFBR) – Wood waste to Drugs	Project Leader
2013-2017	Indo-French (CNRS-CSIR) – Bis-boronates in Org Syn	Project Leader
2014-2017	Indo-French (CEFIPRA) – Sp ³ CH bond activation	Project Leader
1998-2003	CSIR (India) - Young Scientist Award – New Saccharides	Project Leader
1999-2002	DST , New Delhi (India) - Nodulation Factors	Project Leader
1999-2002	DST/Ranbaxy (India), Anti-inflammatory (COX-2) NCEs	Project Leader
2000-2001	NMITLI-CSIR (India)- Defunctionalization of Carbohy.	Project Leader
2002-2012	CSIR , New Delhi - Asthma and allergic disorders	Nodal Scientist
2012-2017	CSIR , New Delhi – 1. COPD, 2. ORIGIN, 3. IntelCoat	Project Leader
2014-2017 ordinator	INAE (India) - Scientometric Analysis	Proj. Co-
2016-2018	Indo-US Project on Biomass to Bioethanol	Proj.Coordinat.
1989(Jan./Aug.)/2011	ND Zelinsky Inst. of Org. Chem, Moscow (USSR)	Visiting Scient.
1998 (Jul./Aug.)	SmithKline Beecham, Harlow (UK)	Visiting Scient.
2001 (Aug.)	ArQule, Boston (USA)	Visiting Scient.
2007 Fellow	Ludwig-Maxmillan Univ, Munich (Germany)	Sr. D A A D
2008/2010 Professor	Kyushu University, Fukuoka (Japan)	V i s i t i n g
2009/2010/2013/2015	University of Rennes, Rennes (France)	Visiting Scient.
2013	CSIR-Delegation, VNU and VAST (Vietnam)	Member

Achievements – Honors – Awards:

2010	OPPI Scientist Award (Org. Pharma. Producers of India, India)
2009	AP Scientist Award (APCOST, AP, India)
2008	Ranbaxy Research Award (Ranbaxy Science Foundation, India)
2007	NASI-Reliance Platinum Jubilee Award (National Academy of Sciences, India)
1992	CSIR Young Scientist Award (CSIR, India),
2013	Fellow, Royal Society of Chemistry, UK
2009	Fellow, National Academy of Sciences India, Allahabad (NASI)
2004	Fellow, AP Akademy of Sciences, Hyderabad
2015	Fellow, Telangana Academy of Sciences, Hyderabad
1996-2018	Ph. D.s: 52; Pubs.: 233; Patents: 15; Books/Chapters – 1 / 6