

BIO – DATA

Prof. Dr. C.V. HARI NARAYAN,

M.D., D.M. (Endocrinology) (AIIMS), F.A.M.S.,
F.R.C.P. (Glasg, Edin, Lond, Ireland), F.A.C.E. (USA).

Director,

*Institute of Endocrinology, Diabetes, Thyroid and Osteoporosis Disorders,
Sakra World Hospitals, Bangalore, Karnataka.*

Visiting professor, Department of Medicine & Endocrinology,

Saveetha Medical College,
Saveetha Institute of Medical and Technical Sciences University,
Thandalam, Chennai, Tamil Nadu.

Address for communication: “SHREE”, No 260, 4th Main Road, (Near Ayyappa Temple)
Vijaya Bank Colony (Behind IIM-B)
Bangalore – 560 076,
Karnataka State, INDIA

Date of Birth 01-06-1957

Karnataka Medical Council: 81281

Email: profhari55@rediffmail.com

DEGREES, PROFESSIONAL TITLES AWARDED:

Degree	Year of Acquiring	University	Rank/Recognition
F.R.C.P	June 2017	Royal College of Physicians, Ireland	Highest recognition in Ireland.
F.A.C.E	May 2015	American College of Endocrinologist	Highest recognition of clinical endocrinologist in the U.S.A.
F.R.C.P	May 2015	Royal College of Physicians, London	Highest recognition in London, U.K.
F.R.C.P	June 2013	Royal College of Physicians, Edinburgh	Highest recognition in Scotland, U.K.
F.R.C.P	December 2011	Royal College of Physicians, Glasgow	Highest recognition in Scotland, U.K.
F.A.M.S	October 2009	National Academy of Medical Science	Highest and most Coveted hallmark of DISTINCTION for research work in India.
D.M. (Endocrinology)	December 1991	All India Institute Medical Sciences	Highest Clinical degree in the country
M.D. (Int. Med.)	Mar 1985	MADURAI	2nd RANK IN THE UNIVERSITY
M.B.B.S.	January 1982	MADRAS	4th rank in medicine in the college

POSITIONS HELD:

1. Presently working as **Director**, Institute of Endocrinology, Diabetes, Thyroid and Osteoporosis Disorders, at Sakra World Hospitals, from 18th April 2014.
2. **Visiting professor of Endocrinology**, Saveetha Medical College, Saveetha Institute of Medical and Technical Sciences University, Chennai--602105
3. Chief Consultant Endocrinologist, Fortis Hospitals, Bangalore, from 1st April 2008 to 15th April 2014.
4. **Founder Head** and Professor, Department of Endocrinology and Metabolism, Sri Venkateswara Institute of Medical Sciences, Tirupati- 517 507, A.P., India. Joined on 15th September 1993 – 30th March 2008
5. Pool officer (CSIR) Department of Endocrinology, AIIMS, New Delhi, 24th July 1992 to 23rd August 1993.
6. Senior resident (D.M. in Endocrinology), AIIMS, New Delhi, from 24th July 1989 to 23rd July 1992.

7. Research Officer, in ICMR Scheme in 'Traditional Remedies in Diabetes Mellitus' from 1st August 1988 to 23rd July 1989.
8. Assistant Professor, Department of Medicine, SRMC & RI, Madras - 1st December 1986 to 28th July 1988.
9. Research Scholar in Diabetes Education and Research Foundation, Apollo Hospital, Madras from 1st December 1985 to 30th November 1986.

PUBLICATIONS:

1. Shivashankariah VH, Tiwari DK, Ramamurthy M, Harinarayan CV, Krishnamurthy D, Janardhan R. Radiofrequency ablation of the parathyroid gland as a treatment modality for primary hyperparathyroidism – A novel bedside procedure in critically ill patients. J Clin Sci Res 2022; (*in press*).
2. Edara S, Philip S, Shivashankariah VH, Jamadar JA, Bandaru VG, Harinarayan CV. A patient with rickets and alopecia totalis. J Clin Sci Res 2022; (*in press*).
3. Harinarayan CV, Ashok H, Munigoti SP, Tandon S, Sarma KVS, Tandon A, et al. Vitamin D status in primary hyperparathyroidism in 1990 and thence – Emergence of normocalcaemic presentation and diagnostic challenges – Utility of parathyroid function index. J Clin Sci Res 2022;11:167-74.
4. Shanthisree Edara, Sherin Philip, Sushma Rani Raju, Venu Madhav Reddy, Harinarayan C V, et al. (2022) Two Rare Cases of Tumor Calcinosis. Journal of Nephrology & Endocrinology Research. SRC/JONE-114. DOI: doi.org/10.47363/JONE/2022(2)112.
5. Harinarayan CV, Akhila H, Shanthisree E. Modern India, and dietary calcium deficiency – half a century nutrition data – retrospect-introspect and the road ahead. Front. Endocrinol. <https://www.frontiersin.org/articles/10.3389/fendo.2021.583654/abstract>. Front. Endocrinol. 12:583654.doi: 10.3389/fendo.2021.583654.
6. Harinarayan CV, Kini Dinesh, Sachin Kumar, H. J. Vijay, Anisha Tandon, E. Shanthi Sree. A rare case of pulmonary tuberculosis-associated with hypercalcemia and pancreatitis. J Clin Sci Res 2021;10:54-7.
7. Harinarayan CV. Vitamin D and COVID prevention: Hype? or hope? J Clin Sci Res 2020;9:135-7.
8. Meeta M, Harinarayan CV, Marwah R, Sahay R, Kalra S, Babhulkar S. Clinical practice guidelines on postmenopausal osteoporosis: *An executive summary and recommendations – Update 2019–2020. J Mid-life Health 2020;11:96-112.
9. Harinarayan CV, Tandon A, Parveen Andan K. Unconsciousness in a 29-Year-Old Woman with 8 Weeks Amenorrhea. Ann Clin Case Rep. 2020; 5: 1836.ISSN: 2474-165. DOI: 10.25107/2474- 1655-v5-id1836

10. *Harinarayan CV* and Akhila H. Modern India and the tale of twin nutrient deficiency—calcium and vitamin D—nutrition trend data 50 years-retrospect, introspect and prospect. *Front. Endocrinol.*, 09 August 2019 | <https://doi.org/10.3389/fendo.2019.00493>
11. *Harinarayan CV*. How to treat Vitamin D deficiency in sun-drenched India - guidelines. *J Clin Sci Res* 2018;7:131-40.
12. *Harinarayan CV*, Ashok H, Sadiq A, Prashant GR, Badanidiyur D, Gupta N, *et al.* Ectopic parathyroid adenoma: single-center experience from India. *J Clin Sci Res* 2018;7:69-74.
13. *Harinarayan CV*. Vitamin D Deficiency in Sun Drenched India – Can D-lightful Sunlight Be A Respite? – Sunlight D lemma. *Proc Indian Natn Sci Acad* 2018;84(4):923-935. DOI: 10.16943/ptinsa/2018/49447
14. *Harinarayan C.V.* Vitamin D in Health and Disease –API textbook of Medicine 11th Edition
15. Lipid Association of India (LAI) Expert Consensus Statement on Management of Dyslipidemia in Indians 2016: Part 2 – *Member of a consensus panel*. *Clinical Lipidology*, 2017;12(1),56–109. <https://doi.org/10.1080/17584299.2017.1383700>
16. Srinivasa P Munigoti and Harinarayan C V. A case of autoimmune hypoglycemia – Hirata disease. *J Clin Sci Res* 2016;6:245-8; DOI: <http://dx.doi.org/10.15380/2277-5706.JCSR.17.11.002>.
17. Honey Ashok, Gayatri Polamarsetty, Neha Gupta, Anisha Tandon, Nandita Ghosal, Shabnam Roohi, Prashant GR and *Harinarayan CV*. Tumor-induced osteomalacia due to phosphaturic mesenchymal tumor of the ethmoid. Accepted for publication *J Clin Sci Res* 2017;6:182-6. DOI: <http://dx.doi.org/10.15380/2277-5706.JCSR.17.04.004>.
18. *Harinarayan CV*. Letter to the Editor on "Vitamin D-binding protein, vitamin D status, and serum bioavailable 25(OH)D of young Asian Indian males working in outdoor and indoor environments". *J Bone Miner Metab.* 2016 Sep 13. [Epub ahead of print] PubMed PMID: 27623789. DOI: [10.1007/s00774-016-0776-5](https://doi.org/10.1007/s00774-016-0776-5)
19. *Harinarayan CV.*, Swaroop Gopal, Chandershekar Puttaswamygowda, Kaleedha Preveen, Nandita Gosha, Shabnam Roohi, Anisha Tandon and Prashant GR. Tumor-induced osteomalacia due to hemangiopericytoma of sphenoidal bone. *AACE Clinical Case Rep.* 2016;2:e290-e295. DOI: 10.4158/EP151029.CR
20. *Harinarayan CV*, Srinivasa P Munigoti, Thennarasu K, Leena Apicatala and Seema Ismail Inamdar. Vitamin D supplementation therapy – efficacy of three different protocols. *J Clin Sci Res* 2015;4:273-80
21. Srinivasa PM, *Harinarayan CV*. Vitamin D Deficiency in India – Fortify or Let the Sun Shine in? *J Clin Sci Res* 2015;4:220-6.

22. *Harinarayan CV* and Ramamalakshmi.T. Dietary calcium intake in south Indian – rural, urban and metro subjects. *J Clin Sci Res* 2015;4:143-148.
23. *Harinarayan CV*. Multiple roles of Vitamin D. *NFI Bulletin*. 2014;35(3):1-8.
24. Srinivasa PM and *Harinarayan CV*. Role of Glitazars in atherogenic dyslipidemia and diabetes – Two birds with one stone? *Indian J Endocrinol Metab*;2014;(3):283-7.doi:10.4103/2230-8210.131134.
25. *Harinarayan CV*. Vitamin D and Diabetes Mellitus. *Hormones*.2014;13:163-181.
26. *Harinarayan CV*, Arvind S, Joshi.S, Thennarasu K, Vedavyas V and Baindur A. Improvement in pancreatic β -cell function with vitamin D and calcium supplementation in vitamin D-deficient non-diabetic subjects. *Endocr Pract*.2014;20(2):129-38.
27. Meeta S, *Harinarayan CV*, Marwah RK, Sahay R, Kalra S and Babhulkar S. Clinical Practice Guidelines on the management of Postmenopausal osteoporosis (2012-13) – An executive summary and recommendations. *J.Mid-life Health*. 2013;4:107-26.
28. *Harinarayan CV*, and Prashant GR. Unusual localization of parathyroid carcinoma in the anterior chest wall. *Indian J Med Res*.2013;138:7-8.
29. *Harinarayan CV*, Holick MF, Prasad UV, Sreevani P and Himabindu.G. Vitamin D status and sun exposure in India. *Dermato Endocrinology* 2013;5(1):130-141.
<http://dx.doi.org/10.4161/derm.23873>
<http://www.landesbioscience.com/journals/dermatoendocrinology/article/23873>.
30. Prasad UV, Krishna Mohan R, Grace Samuel, *Harinarayan CV*, Sivaprasad N and Venkatesh M. Standardization of a two-site PTH immunoradiometric assay using various solid phase formats. *Indian J Med Res*. 2012;136(6):963-70.
31. *Harinarayan CV*, Ramalakshmi T, Prasad UV, Kumar EGT, Srinivasa Rao PVLN. Ultrasound bone mineral density of os calcis - its relationship with bone mineral markers and 25(OH) vitamin D in endemic fluorotic and non-fluorotic villages. *J Clin Sci Res* 2012;1:157-62.
<http://svimstpt.ap.nic.in/jcsr/oct-dec%2012.htm>.
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33. Sreelakshmi R, *Harinarayan CV*, Prasad UV, Ramalakshmi T, Arunakumari R, Vijayabhaskar M. Effect of fluoride on reactive oxygen species and bone metabolism in postmenopausal women. *Fluoride (www.fluorideresearch.org)*. Research Review Fluoride 2012; 45(2);108 – 115.
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35. P Amaresh Reddy, *Harinarayan CV*, V. Suresh, G. Rajagopal and Alok Sachan. Bone disease in thyrotoxicosis – a review. *IJMR* 2012;135;277-286.
36. *Harinarayan CV*, Appicatlaa L, Nalini A, Joshi S. Efficacy and Safety of Cholecalciferol Supplementation in Vitamin D Deficient Subjects Based on Endocrine Society Clinical Practice Guidelines. *Endocrinol Metabol Syndrome* (2012) S4:004. doi:10.4172/2161-1017.S4-004. <http://www.omicsonline.org/2161-1017/2161-1017-S4-004.pdf>
37. *Harinarayan CV*. Thyroid Bone disease – Commentary. *IJMR*. 2012;135;9-11.
38. *Harinarayan CV*, Alok Sachan, Amaresh Reddy P., Satish K.M., Prasad U. V. and Srivani P. Vitamin D status and bone mineral density in women of reproductive and postmenopausal age groups: a cross-sectional study from south India. *JAPI*. 2011;59;698-704.
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41. Menon B, *Harinarayan CV*. The effect of antiepileptic drug therapy on serum 25-hydroxyvitamin D and parameters of calcium and bone metabolism – a longitudinal study. *Seizure*. 2010 Apr;19(3):153-8. Epub 2010 Feb 7.
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43. *Harinarayan CV*, Joshi SR. Vitamin D status in India – its implications and remedial measures – A Review– *JAPI* 2009;40-48. http://www.japi.org/january_2009/R-1.pdf.
44. *Harinarayan CV*, Ramalakshmi T, Prasad UV, Sudhakar D. Vitamin D status in Andhra Pradesh: a population-based study. *Indian J Med Res*. 2008;127(3):211-8. http://www.ijmr.org.in/temp/IndianJMedRes1273211-6297919_172939.pdf
45. *Harinarayan CV*, Ramalakshmi T, Prasad UV, Sudhakar D, Srinivasarao PVLN, Sarma KVS and Kumar EGT. High prevalence of low dietary calcium, high phytate consumption, and vitamin D deficiency in healthy South Indians. *Am J Clin Nutr* 2007;85:1062-67. <http://ajcn.nutrition.org/content/85/4/1062.full.pdf+html>
46. *Harinarayan CV*, Kochupillai N, Madhu V, Gupta N and Meunier PJ. Endemic Skeletal Fluorosis in India. Fluorotoxic metabolic bone disease: an osteo-renal syndrome caused by excess fluoride ingestion in the tropics. *Bone* 2006;39:907-14.

47. *Harinarayan CV*. Prevalence of vitamin D insufficiency in postmenopausal south Indian women. *Osteop. Int.* 2005;16:397-402.
48. *Harinarayan CV*. What's in a name—25(OH)D or 25(OH)D₃? *Natl Med. J India.* 2004; 17:2:114–5.
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51. Rajagopal G, Reddy AP, *Harinarayan CV*, Suresh V, Bitla A, Srinivasa Rao PVLN, Sachan A. Effect of lifestyle modification and metformin therapy on emerging cardiovascular risk factors in overweight Indian women with polycystic ovary syndrome. *Metab Syndr Relat Disord* 2012; Apr 2 [Epub ahead of print].
52. Rajagopal G, Amaresh Reddy P, Satish P, Suresh V, *Harinarayan CV*, Pawan MN, Sreedhar Babu KV, Lakshmi AY, Sachan A. Varied presentation of hyperinsulinaemic hypoglycemia. *J Clin Sci Res* 2012; 1:43-5.
53. Reddy PA, Suresh V, Rajagopal G, *Harinarayan CV*, Raj N, Sachan A. Prevalence of thyroid autoimmunity in type 1 diabetes mellitus. *Thyroid Research and Practice* 2011;8(3):7-11.
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55. Reddy PA, Rajagopal G, *Harinarayan CV*, Vanaja V, Rajasekhar D, Suresh V, Sachan A. High prevalence of associated birth defects in congenital hypothyroidism. *Int J Pediatr Endocrinol.* 2010;2010: Epub 2010 May 4.
56. Reddy AP, *Harinarayan CV*, Suresh V, Jena A, Chandrasekhar SLM, Patnayak R, Reddy MK, Sachan A. An unusual case of virilizing ovarian tumor associated with carcinoma in situ of the cervix. *Int J Endocrinol Metab.* 2009; 4:255-258
57. Pramod Pola, Ravishankar Kumar, Amaresh Reddy P, Rajagopal G, *Harinarayan CV*, Suresh V, Suchitra MM, Alok Sachan. Efficacy of low dose atorvastatin in diabetic dyslipidemia. *JIMA* 2009;107:807-9.
58. Reddy AP, *Harinarayan CV*, Suresh V, Jena A, Reddy MK, Kalawat TC, Moorthy MS, Vittal S, Sachan A. Can diabetes associated with hyperparathyroidism be an additional indication for parathyroidectomy? A case report. *Int J Endocrinol Metab* 2009;3:208-11.
59. Bindu Menon, *Harinarayan CV*. Similar Calcifications of the brain on computed tomography, but different etiologies. *Ann Indian Acad of Neurol* 2009;12:134-35.

60. Page K, Bergwitz C, Jaureguiberry G, *Harinarayan CV*, Insogna K. A patient with hypophosphatemia, a femoral fracture, and recurrent kidney stones: report of a novel mutation in SLC34A3. *Endocr Pract.* 2008;14(7):869-74.
61. Bindu Menon, *Harinarayan CV*. Hypoparathyroidism: a rare treatable cause of epilepsy - report of two cases. *European Journal of Neurology* 2006;13:786-788.
62. *Harinarayan CV*. Primary Octreotide LAR therapy in Acromegaly. *J Indian Med Assoc*, 2004;102;258-61.
63. *Harinarayan CV*. Endemic Skeletal fluorosis in children. *Asian Journal of Pediatric Practice.* 2004;7(4)9-12.
64. *Harinarayan CV*, Kumaraswamy Reddy. Metastasizing pituitary neuroendocrinal tumor with peptide secretion. *J Assoc Physicians India*, 2004;52;74-5.
65. Bindu Menon, *Harinarayan CV* and Vengamma B. Lady with acute confusional state and generalized tremors— case report. *JIACM* 2005;6(1):76-8.
66. *Harinarayan CV*, Kumaraswamy Reddy, and Venkataramanappa M. Cold abscess of neck masquerading as a thyroid nodule. *Thyroid* 2004;14:635.
67. Kesavulu M M, Kameswar Rao B, Apparao Ch, E.G.T.V. Kumar, *Harinarayan CV*. Effect of omega-3 fatty acids on lipid peroxidation and anti-oxidant enzyme status in type – 2 diabetes patients. *Diabetes Metab.* 2002;28:20-26.
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78. *Harinarayan CV*. Multiple roles of vitamin D. *NFI bulletin*. 2014;3:1-8.
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84. *Harinarayan CV*. Osteoporosis today and tomorrow. Proceedings of the midterm meeting of the Endocrine Society of India, Nagpur, India 2002.
85. *Harinarayan CV*. Diabetic ketoacidosis in Type 2 Diabetes Mellitus – Clinical presentation & recovery profile in southern Andhra Pradesh. *Diab. Endocr J.* (ISSN 1012-8670),2001;29(1):10-11.
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91. *Harinarayan CV*. Gupta N, Kochupillai N. Endemic Skeletal Fluorosis in India. In *Endocrinology, Metabolism & Diabetes(EMD)*,1991;Vol.II, P212-220.
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AUTHORSHIP OF BOOKS:

95. **Co-Editor of *Handbook on Diabetes Mellitus for graduates and practitioners***, along with Prof. V Seshiah (Editor), Diabetologist and Emeritus Professor, Madras Medical College, Madras, India. (1st, 2nd, 4th, 5th, 6th, 7th, 8th, 9th and 10th edition of book).

CHAPTERS IN BOOKS:

96. Endocrinological disorders of population-level importance. Global Health Essentials Editors: Mario C. Raviglione, Fabrizio Tediosi, Beat Stoll, Simone Villa, Núria Casamitjana, Antoni Plasència. Springer book_89176796_ **In press**
97. Diabetes. Global Health Essentials Editors: Mario C. Raviglione, Fabrizio Tediosi, Beat Stoll, Simone Villa, Núria Casamitjana, Antoni Plasència. Springer book_89176796_ **In press**
98. Endocrine Implications Of Tuberculosis, In Tuberculosis, 3rd edition, Editor – S.K.Sharma, 3rd Edt, 2020, Chapter 34, P 453-565.
99. Bone and Mineral Metabolism in Health and Disease and Twin Nutrient Deficiency. API Textbook of Medicine, pp 12th Edition, 2022
100. **SECTION EDITOR – API TEXT BOOK OF MEDICINE** 12th Edition 2021 AND 11th Edition, 2019 – Section Editor - Metabolic Bone Diseases.
101. Vitamin D in health and disease, API text Book of Medicine, 11th Edition 2019, Vol 1, Section 10, PP 683-686

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103. Vitamin D and Type 2 Diabetes Mellitus. Medicine Update, Associations of Physicians of India, 2014, 24.2; 1284-91.
104. Prevalence of Calcium and Vitamin D Deficiency Effect in Osteoporosis, In “Clinical Practice Guidelines of Management on Postmenopausal osteoporosis (2012-13) – Executive summary and Recommendations” Eds. Meeta, *et al*
105. Vitamin D: Treatment guidelines – in API text Book of Medicine, 2012.
106. Fluorosis. ESI Manual of Clinical Endocrinology, Jaypee Brothers Medical Publishers (P), Ltd. Editor in Chief: Sarita Bajaj, 2nd Edition, 2014; PP 678-84.
107. Vitamin D treatment guideline, ESI Manual of Clinical Endocrinology, Jaypee Brothers Medical Publishers (P), Ltd. Editor in Chief: Sarita Bajaj, 2nd Edition, 2014; PP 635-38.
108. Paget's Disease of Bone – in API text Book of Medicine, 2011 and 2013.
109. Vitamin D deficiency, rickets, and fluorosis in India. Chapter 28, In Vitamin D: Physiology, Molecular Biology and Clinical Applications. Ed. Holick MF. Humana Press, a part of Springer Science Business Media, LLC 2010.
110. Hypercalcemia, Medicine Update 2009, Part – 1, chapter 65, PP 500 – 503, 2009, Edts. Agarwal Ak, Jain DG, Pushpha Yadhav.
111. “Miscellaneous Bone Disorders” under the section Bone Disorders. In API Textbook of Medicine, VIIIth Edition, released in January API 2007 meet at Goa.
112. Drug-Induced Rickets and Osteomalacia. *Chapter 71, PP 544-548*; Ischemic Necrosis of Bone. *Chapter 93, PP 702-705*; Age-Related Osteoporosis. *Chapter 53, PP 421-429*; Hypophosphatasia. *Chapter 79, PP 603-608*, Systemic Growth Factors--Regulating Bone Metabolism. In, “Nutritional and Metabolic Bone and Stone Disease – An Asian Perspective” Edts. S.P.S. Teotia and M. Teotita.
113. “Diabetic autonomic neuropathy in elderly” for the volume “Type 2 diabetes in the elderly population” to be released for the API platinum jubilee year 2005.
114. Diabetic Ketoacidosis in Type 2 Diabetes Mellitus – In new Vistas in Type 2 Diabetes. Editor RJ Dash. 2002, Vol. 2, PP 220 – 252.
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116. UKPDS in the Indian context. Medicine Update, 1999, Vol.9, (Part II), 305-317.

117. Fifteen-year-old boy with aches, pains, and hypercalcemia. CPC discussion. Vol. II, P 283 – 291; Endemic Skeletal Fluorosis in India. Vol. II, P 212 – 220 and Vitamin D status in primary Hyperparathyroidism in Northern India. *In Endocrinology, Metabolism & Diabetes Vol. II, p.197-211.*

RESEARCH EXPERIENCE AND PROJECTS COMPLETED:

INTERNATIONAL:

GeNeSIS – Genetics and Neuroendocrinology of Short Stature – we were part of an international study – Funded by Lilly International.

NATIONAL:

1. Actively involved in research at SVIMS, Tirupati, and Fortis Hospitals and Health Care, Bangalore in, clinical, laboratory, and epidemiological studies.
2. Member of the task force on Vitamin D and Fluorosis by ICMR and in the sub-committee on researchable issues in fluorosis.
3. Development of Reliable, Sensitive, and Specific Radioimetric Assays to Diagnose 25 OH Vitamin D and Parathormone Status of Patients with Endemic Skeletal Fluorosis – Project completed and submitted to BARC – Mumbai. Under this project, an indigenous parathormone IRMA assay methodology has been developed and submitted to BARC. The work was carried on along with the radiopharmaceutical division of BARC, Mumbai. *The kit can be taken up for commercialization after clearance of logistics like transport, shelf life, etc. – MAKE IN INDIA CONCEPT.*
4. Anticonvulsant-induced alterations in vitamin D metabolism – ICMR, New Delhi – *Project report submitted and published.* Seizure. 2010 Apr;19(3):153-8.
5. “Status of the hypothalamic-pituitary axis in patients with meningitis and meningoencephalitis” – Technically approved by ICMR, New Delhi - year 2007-2010.
6. "A clinic-based study of the prevalence of hypovitaminosis D among pregnant women and their newborn in south India" Approved by DBT, New Delhi - year 2007-2010.
7. Insulin resistance in type 2 diabetes and its response to secretagogues – Gliclazide - Funded by USV limited.
8. Various population studies in villages funded by State Bank of India, State Bank of Hyderabad, etc. – Results published in various scientific journals.
9. As a research officer in the Indian Council of Medical Research (ICMR) scheme on Traditional Remedies in Diabetes Mellitus conducted clinical trials and took an active interest in their annual meetings. Our center was a part of the multicenter trials on traditional remedies.

10. Undertook a project work on "some aspects of Filarial Diseases" under the auspicious of ICMR- Short Term Research Student-ship' supervised by Prof. K V Thiruvengadam, professor of medicine, Madras. This work was highly commended by Prof. Ottesson of the National Institute of Health, Maryland, USA.

RESEARCH GUIDANCE & EXAMINER:

1. Examiner D.M. Endocrinology; Ph.D., Question paper setter for different universities.
2. Recognized Co-guide- Ph.D., M.D, M.Phil. at S.V. University.

MEMBER OF EDITORIAL BOARD AND REVIEWER OF JOURNAL:

1. Section Editor, Metabolic Bone Diseases and Member, National Advisory Board and Board of Referees, JAPI, India.
2. Reviewer, IJMR, New Delhi.
3. EDITOR of Diabetic Practice, Sept 2001 to Dec 2002.
4. Associate Editor of DIABETES BULLETIN 1989 – 1990
5. Online review of many national and international journals.

MEMBERSHIPS AND FACULTY POSITIONS AND MEMBER EXPERT COMMITTEE:

INTERNATIONAL:

1. Consulting Editor of "The Contemporary Who's Who", USA, since Feb 2003.
2. Endocrine Society, USA (*Membership No.256177*).
3. American Association of Clinical Endocrinologists, USA. Member (*Membership No.13043*).
4. American Society of Bone and Mineral Research, USA (*Membership No 101521*).
5. International Diabetes Federation, Belgium. (*Membership No.3048*).
6. Elected as "OUTSTANDING INTELECTUAL OF THE 21ST CENTURY" by the International Biographical Center, Cambridge, England, for the year 2011.

NATIONAL:

1. Member – Sakra Medical Council, Bangalore.
2. Expert member – Vitamin D Task Force and – Fluorosis Task Force – ICMR, New Delhi.

3. Regional Faculty for Diabetes course, conducted PHFI New Delhi. Member,
4. Expert committee of specialists – Endocrinology, UPSC, New Delhi.
5. Life members - Endocrine Society of India; - Indian Thyroid Society; - Research Society for the Study of Diabetes Mellitus; - Indian Medical Association; - Associations Physicians of India; – Indian Society of Bone and Mineral Research; – Indian Menopause Society; Executive member, Waterfalls Institute of Technology Transfer, New Delhi; Senate Member, Academic Senate, SVIMS, Tirupati.

PAPERS PRESENTED

INTERNATIONAL CONFERENCE: 40 and ONE BEST PAPER AWARD

NATIONAL CONFERENCE: 25

INVITED LECTURES, PANEL DISCUSSION AND CHAIRING OF SCIENTIFIC SESSION:

International: 15; National and State: Webinars: 50; Lectures: 275

ACADEMIC ACTIVITIES AND ORGANIZATIONAL ABILITIES:

1. **Organizing Secretary**, 37th Annual Meeting of the Endocrine Society of India at Tirupati, **ESICON – 2007**.
2. Organized the “42nd and 49th training course on RIA and its applications” along with Radiopharmaceuticals Division BARC in July 2001 and April 2007.
3. Organizing Secretary, TOFED, organized by USV, at SVIMS, Tirupati Sept 2000.
4. Organizing Secretary of CME on Diabetes, Endocrinology & Metabolism, at SVIMS, Tirupati 6th and 7th Feb 1999.
5. Organized a one-day continuing Medical Education Program on "Diabetes and its Complications" at Sri Venkateswara Institute of Medical Sciences, Tirupati on January 23rd 1994.
6. Delivered an All India Radio Talk on "Diabetes" which was broadcast on 14 December 1993 from All India Radio, Tirupati.
7. Member of the Organizing committee "India - US symposium on Endocrinology, Metabolism, and Diabetes" held at AIIMS, New Delhi, 26 - 31 December 1990.