

CURRICULUM VITAE



Prof. Dr. Hemanth kumar Manikyam
MSc (Biochem) PhD (Chem) MBA (Healthcare Management),
Translational Research in Clinical Oncology, GCP, PG.
Genomics.

UN – Volunteer & Representative to UN Geneva for HCRFF (USA)

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Objective: To serve society with sincerity and dedication utmost to my caliber & to reach the highest peak in my profession.

KEY EXPERTISE:

Having greater exposure and parallel experience in all below expertise

1. Drug discovery & Development

- Clinical Research
- Preclinical studies
- Drug designing and Synthesis scheme development
- Drug Screening In-vitro studies (HTS & HCS)
- Anticancer studies
- Big data and Artificial Intelligence based drug studies Gene micro array studies
- Phytochemical extraction, purification and screening Technologies
- Formulation and development of Generic pharmaceuticals and Nutraceuticals
- Formulation and development of Ayurvedic products
- Turnkey Project Handling of FMCG, Nutraceutical, Pharmaceutical Industries
- Food and Beverages formulation research and development
- Healthcare and clinical research management
- Patient counseling
- Patent writing and filing
- Quality control management (mainly-analytical development R&D)
- Technology Transfer

Research:

Drug discoveries, biotransformation, fermentation, AI BASED studies, big data analysis, phytochemicals, Toxicology, Genomic studies, Translational Research in Clinical Oncology, preclinical & clinical studies.

Formulations & Manufacturing: (both human & veterinary): Pharmaceuticals, (soft gels, solid orals, Topical etc.), Ayurveda, Cosmetics, Nutraceuticals, cosmo-nutraceutical Food & Beverages, and generic drugs, FMCG (health drinks, beverages, syrups, food products like sachets, energy bars, breakfast cereals etc.

API Manufacturing: production of corticosteroids through synthesis and fermentation, Vitamin k2 production, Diosmin synthesis, phytochemical extractions, Roxarsone etc.

Industrial Formulations Achievements Nutraceutical & Cosmetics

1. Developed more than 1000 formulations (cosmetics & solid, liquid dosages) for Patanjali, Dabur, GNC (Good nutrition corporation). Health kart, Nutritrube, Abbott, Mankind, Dr Reddy's, Emami, Fohoway (China), Amore, Muscle blaze etc. (Tablets, capsules, syrups, soft gels, powders, topicals etc.)
2. Developed Granola based Foods and drinks for Cocosutra company which was acquired by Matrix fine sciences Pvt Ltd
3. Developed Phytobiotics and veterinary products for Intron life sciences Pvt ltd and Exon life sciences Pvt ltd- Hyderabad

Industrial Phytochemical Extraction & Purification & Synthesis Achievements

1. Developed and established commercial process of Colchicine drug from seeds of Gloriosa
2. Developed and established commercial process of Forskolin
3. Developed and established commercial process of L-DOPA drug from Macuna
4. Developed and established commercial process of Allicin from Garlic
5. Developed and established commercial process of Carnosic acid from Rosemary
6. Developed and established commercial process of Ursolic acid from Rosemary
7. Developed and established commercial process of Hesperidin from Sweet lime
8. Developed and established commercial process of Diosmin synthesis from Hesperidin
9. Developed and established commercial process of Resveratrol from polygonum cuspidatum
10. Developed and established commercial process of Fructose oligosaccharides From Yacon root
11. Developed and established commercial process of Fucoidan from Sargassum seaweed
12. Developed and established commercial process of Carrageenan from Kappaphycus alvarezii seaweed
13. Developed and established commercial process of Bacosides from bacopa monnieri
14. Developed and established commercial process of silymarin from Milk Thistle
15. Developed and established commercial process of Boswellic acid from Boswellia
16. Developed and established commercial process of Tocopherol from deodorized soya and sunflower oil
17. Developed and established commercial process of phytosterols
18. Developed and established commercial process of squalene & Squalane purification
19. Developed and established commercial process of Astaxanthin from Algae
20. Developed and established commercial process of Phycocyanin from Spirulina algae

Industrial Fermentation Technology Achievements

1. Developed and established commercial process of producing Vitamin K2-7 (Menaquinone) using Bacillus Natto strain, Vinblastine, Vincristine, Lycopene
2. Developed and established pilot scale process Phytosterols to AD, ADD. BOLDIDONE
3. Developed and established pilot scale process phytosterols to Testosterone

Herbal Cultivation Achievements

1. Rosemary Cultivation of 60 acres and also cluster development in Tamil Nadu (South India) over 200 acres using MPDA and local NGO.
2. Gloriosa superba cultivation
3. Spirulina cultivation pilot scale
4. Dunaliella salina pilot scale
5. Ashwagandha cultivation
6. Tusli cultivation

Turnkey projects

1. Project design and development of Patanjali Research Institute – advanced Genomics lab with Animal facility – as project Lead
2. Project design and development of nutraceutical plants in Akums - as project Lead
3. Project design and development of R&D center in Matrix Fine sciences Pvt Ltd.- as project Lead
4. Project design and development of Larki Himal herbals Nepal- as project Lead
5. Project design and development Himalaya Herbals and products -Nepal- as project Lead
6. Worked as consultant for natural Ingredients Technology transfer for Sattva Global Ingredients - Chennai
7. Project Technical consultant for Canndo Pharma, Technology transfer and turnkey project on CBD extraction and purification through Super critical Co2 extraction process – IES systems
8. Complete project establishment 2024-2025 Herbs & More Kenya Limited including technology transfers of herbal extractions
9. Daintree, Technology Transfer and Board advisor, for Rosemary carnosic acid Process -: Tunisia
10. Technical advisor for AdiNature –natural feed additives -Spain

Academic Experiences:

1. Visiting Professor & Faculty of Natural Products Chemistry and Pharmaceutical sciences at Chalapathi Institute of Pharmaceutical Sciences, Acharya Nagarjuna University -Guntur- 2025 to till date
2. Vising professor and resource person (department of chemical process engineering and chemistry) to Coimbatore Institute of Technology- Coimbatore- Tamil Nadu- 2021-2022
3. Visiting professor for Institute of Clinical Research India (ICRI)-2020-2021
4. Visiting professor for Himgiri Zee University Dehradun – Department of Health care management studies. 2020-2021
5. Resource person to Dnyanprassarak Mandal's College and Research Centre Assagoa, Bardez-Goa 403507
6. Cannabis research Collaboration with MAEJO UNIVERSITY, Chiang Mai Thailand
7. Research Collaborator, African Medicines Innovations and Technology Development, Department of Pharmacology, University of the Free state.
8. Research collaboration for Covid, University of Miami, Miller School of Medicine
9. Resource person Amity University, Amity Institute of Phytochemistry and Phytomedicine (AIP&P), AUUP, Noida- India
10. Research collaborator with CSIR-CFTRI for ellagic acid Technology Transfer

OC&OA: Handling quality control and quality assurance of all products, HPLC, HPTLC, GC method development and other FTIR and UV instruments.

Special Status: United Nations volunteer Roster Number 2097243 & International medical Mission Volunteer Haiti Cholera Research Foundation Inc.

Academic Profile:

PhD in Chemistry -From **North East Frontier Technical University-** 2016 Jan – Dec 2020- Arunachal Pradesh- Berberine chloride structural and efficacy studies using high throughput screening methods. (Natural Product Chemistry)

Executive MBA in healthcare management- Medvarsity (Apollo hospital group of Institutions) - 2015.

Course work certificate “Translational Research in Clinical Oncology- National Cancer Institute- NIH (USA).

Certificate in GOOD CLINICAL PRACTICE – NIDA clinical trials Network NIH (funded) & NIH.

Certificate of Competence in laboratory animal research – Jawaharlal Nehru University- New Delhi.

Certificate in online PG Level course Genomic technologies in clinical diagnostics: molecular techniques: ST George’s UNIVERSITY OF LONDON.

Certificate in Advanced Ayurveda Diet & Nutrition under N.S.D.C & Ministry of Skill Development & Entrepreneurship

Member of Public health consortium and research Huddlesfield University – Huddlesfield- UK

M.Sc. (Biochemistry) (April 2005) – University 9TH Rank

Institution	: -	AVS College of Arts & Science, Salem,
University	: -	Periyar University, Salem.
Percentage	: -	72%
Project	: -	Non auxenic tissue culture of grande nain banana variety by bioreactor

B.Sc. (Zoology, Physics & Chemistry) (April 2002) DISTINCTION

Institution	: -	VR College, Nellore
University	: -	Sri Venkateswara University, Tirupati
Percentage	: -	83%

Intermediate (April 1998)(Biology, Physics and Chemistry

Institution	: -	Kora College,
		Nellore
Percentage	: -	79%

Professional Experience:

- Presently working as Chief Scientific officer: Ziran India Laboratories India, Sangli – A division of chemotherapeutic API manufacturing & Active Phytochemicals production
- Worked as Director of Research and development for Lifespan Pvt Ltd, Hyderabad-for

Nutraceutical and Ayurveda Products developments and Research – From Oct 2023 to till date

- Worked as chief technology Officer for Svarn Herbals Pvt Ltd , Nutracule, for Super critical Co2 (Buffalo supercritical extractor) turnkey project and technology development and Transfer –till Oct 2023
- Worked as Director of Research and Development, handling Turnkey project operations for Larke Himal Jadibuti Udhyog Pvt Ltd – Kathmandu- Nepal – October 2020- till date- A Food & Beverage manufacturing, herbal extraction, herbal cosmetics, Nutraceutical Company.
- Worked as Head Lead (GM) – Research & Development Akums Drugs & Pharmaceuticals Ltd, Pure & Cure Division- (Nutraceuticals, Ayurveda, Cosmetics- all dosage forms). Served in developing formulations for ABOTT, Dr Reddy's, GNC, CHRYSALIS, MANKIND, HEALTHCART, GSK, APOLLO, DABUR, EMAMI, NUTRI-TRIBE etc. September -2020.
- Worked at Sanskriti Healthcare Pvt Ltd, as Director of Research and Formulations in Nutraceutical, Ayurveda and Cosmetics-India division. Director for Srilanka sister Units Tripura Biotech Pvt Ltd(pharmaceutical collaboration with State pharmaceutical Manufacturing Company A unit of Government of Srilanka) & Tripura Ayurveda Pvt Ltd – 2016-2018. Handled pharmaceutical production.
- Worked at Patanjali Natural Coloroma Pvt ltd. as C.E.O operations/ Research and development, Quality control and QA. Parallely handling formulations and Manufacturing at Patanjali Food and herbal park- Haridwar. 2013 to 2016- Established Patanjali Research Institute –advanced drug research laboratory with BSL-3 lab facility .
- Worked as G.M of plant Baxil Pharma (P) Ltd- Haridwar-Uttarakhand. Work profile at Baxil- 2012-2013 .
- Worked as senior scientist and plant Head for Gyan Herbal Products Pvt Ltd Nepal. 2010(CONSULTANT) 2011-2012(Employee).
- Worked as Director for Miracle formulations India Pvt Ltd – Hyderabad -2008-2010-Handled Manufacturing and formulations .
- Independent director of Dolphin medical services Ltd – Vijayawada – Director identification number- DIN NO.02481989- Clinical Services Division-2007-2014.
- Worked as Application specialist and techno marketing manager – Biosystems – (Spain) –Clinical Diagnostic Division based at Bangalore 2005-2006.

As Senior Technical Consultant

- Worked as Senior Technical Consultant for Makin laboratories Pvt Ltd – Indore, for development of Nutraceutical products, Food and Beverage products – 2021-2022
- Worked as Senior Technical Consultant for Intron Life sciences Pvt Ltd, & Exon life sciences Pvt Ltd Hyderabad, in developing, Vitamins, peptides, synthesis, Phytobiotics, Phytonutrients for Human health, Animal care and Agriculture. 2021-2022

AWARDS & ACADEMIC RECOGNITIONS:

- National award from **Nepal ministry** of forest and soil conservation through **Department of Plant Biodiversity** 2014 .
- Felicitated by centre council for research in Ayurveda and siddha **CCRAS** – New Delhi .
- S.A Rama murthy foundation award from **SV University** for Excellency in Physics .
- Awarded Two times child scientist from **Jana Vignan Vedica of government** of Andhra Pradesh .
- **Resource person Saurashtra university Gujarat .**
- **Resource Person to North East Frontier Technical University – Arunchal Pradesh .**
- **Resource person and Chair Global Academic Research Institute- Srilanka .**
- **Reviewer for Asian Journal of Chemistry and pharmaceutical Sciences.**
- **Member of Asian Council of Science Editors**
- **Member of Medical Mission Representative Haiti Cholera Research funding foundation (HCRFF) United Nations to the office of Geneva**

Specialized trainings under management:

Trained faculty under **Entrepreneurship development** cell from **NISIET** government of India.

Papers published:

1. Bushra Bashir, Pranshul Sethi, Satyajit Panda, Hemanth Kumar Manikyam, Sukriti Vishwas, Sachin Kumar Singh, Kuldeep Singh, Divya Jain, M.V.N.L. Chaitanya, Henrique Douglas Melo Coutinho, Unravelling the epigenetic based mechanism in discovery of anticancer phytomedicine: Evidence based studies, Cellular Signalling, Volume 131, 2025, 111743, ISSN 0898-6568,
[\(https://doi.org/10.1016/j.cellsig.2025.111743\)](https://doi.org/10.1016/j.cellsig.2025.111743) (<https://www.sciencedirect.com/science/article/pii/S0898656825001561>)
2. Hemanth Kumar Manikyam, Sunil K Joshi, et al., “Free Radical-Induced Inflammatory Responses Activate PPAR- γ and TNF- α Feedback Loops, Driving HIF- α Mediated Metastasis in HCC: Insilico Approach of Natural Compounds Inhibitory Effect on Proposed Pathway”, Universal Library of Biological Sciences, 2025; 2(1): 01-12. DOI: <https://doi.org/10.70315/uloap.ulbsc.2025.0201001>.

3. Hemanth Kumar Manikyam, Sunil K Joshi, Sandeep Balvant Patil, Abhinandan Ravsaheb Patil. A Review on Cancer Cell Metabolism of Fats: Insights into Altered Lipid Homeostasis[J]. *Diseases & Research*, 2024, 4(2): 97-107. DOI: 10.54457/DR.202402010
4. Book chapter 11, Manikyam, Hemanth Kumar. "Medicinal plants and alternative therapies for reproductive system health." *Nutraceuticals: A Holistic Approach to Disease Prevention* 237 (2024).by, Ullah, Hammad, Abdur Rauf, and Maria Daglia, eds. *Nutraceuticals: A Holistic Approach to Disease Prevention*. De Gruyter, 2024.
5. Manikyam, Hemanth Kumar, Dhanaseelan J, and Jayaraj Mani. 2024. "Supercritical CO₂ Extraction and HPLC Quantification of Carnosic Acid from the Leaves of Rosemary *Officinalis*: A Green Approach to Bioactive Compound Purification". *Chemical Science International Journal* 33 (6):16-25. <https://doi.org/10.9734/CSJI/2024/v33i6920>.
6. Sathian B, Van Teijlingen E, Simkhada P, Banerjee I, Manikyam HK, Kabir R. Strengthening Healthcare through Academic and Industry Partnership Research. *Nepal Journal of Epidemiology*. 2023 Aug;13(2):1264.
7. Manikyam, Hemanth Kumar, J. Dhanaseelan, and Jayaraj Mani. "Cryoethanolic Extraction, Purification of Allicin from *Allium sativum* and HPTLC analysis." *International Journal of Biochemistry Research & Review* 33.6 (2024): 43-51.
8. Manikyam, Hemanth Kumar, J. Dhanaseelan, and Jayaraj Mani. "Extraction and Purification of Squalene from Virgin Olive Oil via Catalytic Transesterification and Molecular Distillation." *European Journal of Medicinal Plants* 35.3 (2024): 50-61.
9. Extraction, Purification and HPLC quantification of Ursolic acid from leaves of Nepal cultivar of Rosemary *officinalis*. Jayaram Balasubramanian, Hemanth Kumar Manikyam, Sunil K Joshi, Prathibha Tripathi, Jyoti Joshi, *Arabian Journal of Medicinal and Aromatic Plants*, Volume. 9 Issue No. 2 (2023), Pages 54-64
10. Manikyam, H. K., Patil, S. B., Hussain, N., Vallal, R. E. E., Sharma, S. and Patil, A. R. (2024) "High-Throughput Insilico Drug Screen against Mpx Targeted Proteins in Comparison with Repurposed Antiviral Drugs against Natural Compounds", *Journal of Pharmaceutical Research International*, 36(11), pp. 41–52. doi: 10.9734/jpri/2024/v36i117599.
11. Manikyam, Hemanth Kumar, Cecilliah N Ngugi, Fridah Marete, Elizabeth Kagotho, Sandeep Balvant Patil, and Abhinandan Ravsaheb Patil. 2024. "Simultaneous Extraction, Purification, and Quantification of Polyphenols, Caffeine, and Theophylline from BB35 Green Tea Leaves (Kenya Cultivar) Using High-Performance Liquid Chromatography (HPLC) With Gradient Quantification". *South Asian Research Journal of Natural Products* 7 (3):401-13. <https://doi.org/10.9734/sarjnp/2024/v7i3172>.
12. Sathian, Brijesh, Edwin van Teijlingen, Padam Simkhada, Indrajit Banerjee, Hemanth Kumar Manikyam, and Russell Kabir. "Strengthening Healthcare through Academic and Industry Partnership Research." *Nepal Journal of Epidemiology* 13, no. 2 (2023): 1264.

13. Hemanth K. Manikyam, Sunil K. Joshi, Spandana Vakadi and Sandeep B. alvant Patil .
"Anticancer activity of terpenoid saponin extract of Psidium guajava on MCF-7 cancer cell line using DAPI and MTT assays." African Journal of Pharmacy and Pharmacology 15, no.12 (2021): 206-211. <https://doi.org/10.5897/AJPP2020.5216>
14. Manikyam, H. K., Tripathi, P., Joshi, J., Balasubramanian, J., Patil, S. B., Lamichhane, T., & Lamichhane, J. (2021). Microwave Assisted Extraction of Berberine and Preparation of Berberine Hydrochloride from Berberis Aristata Variety of Nepal, and Quantification using RP-HPLC and HPTLC Methods. European Journal of Medicinal Plants, 32(12), 46-53. <https://doi.org/10.9734/ejmp/2021/v32i1230434>
15. Manikyam HK, Tripathi P, Patil SB, Lamichhane J, Chaitanya MVNL, Patil AR. 2022. Extraction, purification, and quantification of hesperidin from the immature Citrus grandis/maxima fruit Nepal cultivar. Asian J Nat Prod Biochem 20: 21-26.
16. Berberine chloride induced apoptosis in hepg2 cancer cell line via ppar gamma activation and cox2 inhibition by regulating prostaglandin e2 (pge2) signalling pathway-Hemanth Kumar Manikyam , C. Ramesh , Paras Yadav and Ataa Kenttar- IJPSR (2018), Volume 9, Issue 11
17. Manikyam HK & Joshi SK (2020) Whole Genome Analysis and Targeted Drug Discovery Using Computational Methods And High Throughput Screening Tools For Emerged Novel Coronavirus (2019-nCoV). J Pharm Drug Res, 3(2): 341-361 .
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7331973/>
18. Hemanth Kumar Manikyam and Sunil K Joshi, Nicotinamide, Folic Acid and Derivatives as Potent Inhibitors of Inflammatory Factors against Novel Corona Virus Infection, Acta Scientific Pharmaceutical Sciences (ISSN: 2581-5423) Volume 4 Issue 5 May 2020 .
19. Hemanth Kumar Manikyam, Sunil K Joshi, Malinidevi M, Afeefa Noor. AYURVEDA AND SIDDHA SYSTEMS POLYHERBAL FORMULATIONS TO TREAT COVID-19 CAUSED BY SARS-COV-2 AND BRIEF INSIGHT ON APPLICATION OF MOLECULAR DOCKING AND SWISS TARGET PREDICTION TOOLS TO STUDY EFFICACY OF ACTIVE MOLECULES. Vol 12, No 2 (2020) International Journal of Phytomedicine
20. Hemanth Kumar Manikyam and Sunil K Joshi. Dammarane and Ergostane derivatives as prophylactic agents against SARS-CoV-2 host cell entry Inhibitors. Journal of Pharmacognosy and Phytochemistry. 2020; 9(3): 1211-1216.
21. Computational methods to develop potential neutralizing antibody Fab region against SARS-CoV-2 as therapeutic and diagnostic tool, Hemanth K. Manikyam, Sunil K. Joshi bioRxiv 2020.05.02.071506; doi: <https://doi.org/10.1101/2020.05.02.071506>
22. Hemanth kumar Manikyam. Computational studies on Gene Ontology for Molecular functions, Cellular component and biological process of SARS-CoV-2 targeted proteins, 04 May 2020, PREPRINT (Version 1) available at Research Square [+<https://doi.org/10.21203/rs.3.rs-26263/v1>]
23. Extraction and determination of collagen peptide and its clinical importance from Tilapia fish scales- International Research journal of pharmacy-2011.

24. Liposomal encapsulation technology a novel drug delivery system designed for ayurvedic formulations- International Research journal of Pharmacy-2011
25. Identification of Death-Associated Protein Kinases Inhibitors Using Structure-Based Virtual Screening – drug designing - Journal of Biotechnology and Biotherapeutics.- 2011.
26. Efficacy studies on effect of complementary alternative medicinal formulation on biomarkers and immune functioning of HIV/AIDS patients.-2011.international journal of research in ayurveda and pharmacy.
27. Simultaneous Extraction, determination and analysis of Adenosine, Cordycepin and other derivatives of Cordyceps sinensis of Nepal by new validated HPLC journal of Pharmacognosy and Phytochemistry 2013; 2 (4): 43-45
28. Qualitative and Quantitative Study of Anthraquinone Derivatives in the Root Extract of Rheum australe of Nepal (syn. Rheum emodi) by HPLC Journal of Pharmacognosy and Phytochemistry 2013; 2 (4): 40-42
29. Method of Extraction and Determination of Forskolol from Coleus forskolii of Nepal Journal of Pharmacognosy and Phytochemistry 2013; 2 (4): 37-39
30. Anticancer activity of nano encapsulated formulation from the extracts of Picrorhiza kurroa against human cancer cell lines M. Hemanth kumar, C. Ramesh , Journal of Pharmacognosy and Phytochemistry 2014; 2 (5): 135-138.
31. Single dose oral toxicity study of nano formulated extract of Picrorhiza kurroa in wistar rats M. Hemanth kumar, C .Ramesh . Journal of Pharmacognosy and Phytochemistry 2014; 2 (5): 10-14
32. Antimutagenic activity of root extract of Picrorhiza kurroa using Ames test in both dose dependant cytotoxic assay and mutagenicity study M. Hemanth kumar, C. Ramesh , Journal of Pharmacognosy and Phytochemistry 2014; 2 (6): 42-46
33. Anticancer activity of hydroalcoholic extract of paris polyphylla rhizomes against A549 lung cancer cell lines using MTT assay M.Hemanth kumar , vibhadiman ,ritu chaudary , atul chikara Int.Res.J.Pharm.2014, 5(4).
34. "Acute Oral Toxicity Study of Paris polyphylla extract in Rats. Acharya balakishan , Hemanth kumar .M, Neeti Sharma, Vinay sharma International Journal of Phytomedicine.
35. Plant Cardenolides in Therapeutics Acharya balakishan , Hemanth kumar .M, Neeti Sharma, Vinay Sharma, International Journal of Indigenous Medicinal Plants, ISSN: 2051-4263, Vol., Issue. Recent science .
36. Safety Evaluation of Picrorhiza kurroa Rhizome Extract by Bacterial Reverse Mutation Test, Acharya balakishan , Hemanth kumar .M, Neeti Sharma, Vinay Sharma, Advanced Studies in Biology, Vol. 8, 2016, No. 3, 127 -140- <http://dx.doi.org/10.12988/asb.2016.6620> .
37. Cytotoxicity Study in Non Malignant Fibroblast L929 Cell Line with Mucuna pruriens Seed Extract-Acharya Bal Krishna, Hemanth Kumar Manikyam, Vinay K. Sharma, Niti Sharma, International Journal Of Phytomedicine 7 (2015) 366-369- Vol 7, No 4(2015)

38. Evaluation of Synergetic Anticancer Activity of Berberine and Curcumin on Different Models of A549, Hep-G2, MCF-7, Jurkat, and K562 Cell Acharya balakishan , Hemanth kumar .M, Hindawi Publishing Corporation BioMed Research International Volume 2015, Article ID 354614, 7 pages <http://dx.doi.org/10.1155/2015/354614>, <https://www.ncbi.nlm.nih.gov/pubmed/26247019>.
39. Microwave assisted Subcritical water extraction of Berberine hydrochloride from the roots of Berberis Aristata using Harmony search algorithm- Hemanth Kumar Manikyam, C.Ramesh, Krishna Mohan Poluri, Assif Assad- Journal of Herbal Medicine Research (ISSN: 2474-106X)- 2017, 2:19.
40. Bio-enhancement effect of Bos primigenius indicus urine isolates on Curcumin anticancer activity using different human cell line models of A549, Hep-G2, MCF-7, Jurkat and K562k- Hemanth Kumar Manikyam, C.Ramesh, Krishna Mohan Poluri, Haranath Reddy Kasireddy, Charitha Devi Mekala- International journal of Traditional and complementary Medicine- 2017, 2:2.
41. Clastogenic effect of Picrorhiza kurroa rhizome extract on cultured human peripheral blood lymphocytes- Acharya Bal Krishna, Hemanth Kumar Manikyam, Vinay K. Sharma, Niti Sharma, Journal of HerbMed Pharmacology. 2016; 5(4): 131-136 .
42. Ergot Alkaloids: A Review on Therapeutic Applications- Acharya Bal Krishna, Hemanth Kumar Manikyam, Vinay K. Sharma, Niti Sharma, European Journal of Medicinal Plants, ISSN: 2231-0894, Vol.: 14, Issue.: 3 .
43. Nature's response to influenza: a high throughput screening strategy of ayurvedic medicinal phytochemicals- Acharya Bal Krishna, Hemanth Kumar Manikyam, Saradindu Ghosh- ,2016; Vol. 7(6): 2699-2719. International Journal Of Pharmaceutical Sciences And Research .
44. Acute oral toxicity study in rats with Mucuna pruriens seed extract-- Acharya Bal Krishna, Hemanth Kumar Manikyam, Vinay K. Sharma, Niti Sharma, Asian Journal of Plant Science and Research, 2016, 6(2): 1-5
45. Comparative Physicochemical Ash Study of Some Medicinal Plants Species of Western Himalaya. Acharya Bal Krishna, Hemanth Kumar Manikyam, Deepak Singh Janoti, International Journal of Pharmacognosy and Phytochemical Research 2016; 8(3);442-225
46. Structural and Optical studies of Traditional Indian Medicine: Kajjali & Narikela Lavan- Balkrishan Acharya, Mishra Nayan, Hira Narinder Kaur, Yadav Shailendra, Manikyam Hemanth Kumar, Chaudhary Ritu-Journal of Young Pharmacists, 2016; 8(4):492-495 .
47. Spirituality and Science of Yogic Chakra: A Correlation - Acharya Bal Krishna, Hemanth Kumar Manikyam, Vinay K. Sharma, Niti Sharma-Asian Journal of Complementary and alternative medicine- 04(11),2016,17-22

Corporate media publications and Review articles

1. Natural food ingredients market in India , Magazine, Ingredients South Asia 16-31 May 2014, 59-61.
2. Ayurvedic health care medicine in India and global trends , Magazine, Ingredients South Asia June 2014,
3. Phytochemicals and their role in FMCG growth Ingredients South ,Asia 2015 October 120-123 pages
4. Elixir of life –medicinal values of Guava leaves – 1-15 Sep 2015 Ingredients South Asia 60-61 pages
5. Dietary supplements and safety assessments 16-31 July 2015 Ingredients South Asia 64-66 pages
6. Ayurvedic medicine in India and global trends 1-15 August 2014 Ingredients South Asia 56-57 pages
7. Global Scenario –Herbal Ingredients Market 16-30 September 2014 Ingredients South Asia 67-68 pages .

Patents:

- **WIPO Patent WO/2011/128905A1 –drug designing for HIV/AIDS, CANCER(international patent applied)**
- **4537/CHE/2014- patent on herbal based oil colours-applied**
- **4538/CHE/2014- patent on skin care cream for dermatological diseases -applied**
- **INCHE201001019A – Indian patent on anti HIV molecules.-applied**
- **Two Provisional patents applied at American patent office – App. No. 61300325 , App. No. 61300363 – drug for Amyotrophic lateral sclerosis –applied**
- **Provisional patent on drugs to treat Coronaviridae and Filoviridae virus families.**
- **Copy right on process flow for forskolin extraction and purification in collaboration with Lovely Professional University**

Books published :

1. **EBOOK “Structural, Clinical & Economical Perspectives of Covid-19”- E-Book ISBN: 978-93-90217-38-0**
2. **Manikyam, Hemanth Kumar. "Medicinal plants and alternative therapies for reproductive system health." Nutraceuticals: A Holistic Approach to Disease Prevention (2024): 237. 2024/4/22. Journal Pages 237 Publisher Walter de Gruyter GmbH & Co KG –Book Chapter**

References

- **Professor Vijaya Raghavan - Government of India- principal scientific advisor vijayraghavan@gov.in**
- **Dr.Seshadri, Deputy Director, Murugappa Chettiar Reaerch Center, Chennai – 09840656575.**
- **Dr.P.Eganathan, dept of Plant Tissue Culture, Bioprospecting, M.S.Swaminathan Research Foundation. Chennai. Ph: 91-44-22541229&698.**
- **Dr.Viswanath Palled CSF Jindal steels (JSW) -+91-9449598207**
- **Dr.Kodi Vice president of Biotech corporation of Malaysia- (+6019-277 7072)**

Personal profile:

Father's Name : S. MANIKYAM

Date of Birth : 26-06-1980

Nationality : Indian

Marital status : married

Spouse : Spandana Vakadi , **Children:** 2

Linguistic skills:

To speak : English, Tamil, Telugu, and Hindi.

To write : English, Telugu & Hindi

DECLARATION:

I hereby declare that information furnished above is true to best of my knowledge

Prof. Dr. Hemanth Kumar Manikyam

