

CSIR-CIMAP Employee Details for Website

Kindly fill in required details for employee profile on website.

1. **Name:** Daya Nandan Mani
2. **Employee ID:** 569
3. **Designation:** Senior Principal Scientist
4. **Latest Photograph (for display) :**



5. **Official Address:** CSIR-Central Institute of Medicinal and Aromatic Plants [CSIR-CIMAP], Kukrail Picnic Spot Road Lucknow- UP
6. **Email Id (official & personal):** dn.mani@cimap.res.in
dayanandanm@yahoo.com
7. **Institute Contact Number (Epubx No.) & Mobile Number:**
Office: 0522-2718587, 0522-2718603 and **Mobile No:** +91 9415251464
8. **Divisional Unit Name:** Bio Prospection and Product Department [BPD]
9. **Area of Specialization (maximum 500 words):**

Dr. D N Mani is a Senior Principal Scientist in CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow (U.P.) India. He has done MD , Ph. D in *Kayachikitsa* [internal medicine] Ayurveda from State Ayurvedic College & Hospital, University of Lucknow, Lucknow, India, He is working in the area of Herbal formulation development from last 18 years and some technology Trancefar to Industry like NBRMAP- DB Trade name BGR-34 marketing by AIMIL Pharmaceutical Pvt. Ltd., Herbal Cough Syrup for allergic cough by Deshavri Global Pharmaceuticals, LLP, and CIMAP Phal Se, fruit base granules[Nutritive value for good health] for management of Digestive system and lipid by Deshavri Global Pharmaceuticals, LLP. Dr. DN Mani has been awarded prestigious Bio Talent award at Bangalore Bio-2008, CSIR Technology Award for Life Sciences-2016 and CSIR Technology Award for Life

Sciences-2018, His areas of research are Diabetes, Arthritis, Allergy and gut inflammation and Herbal nutraceutical formulation for disease prevention. Dr Mani Published almost 20 paper reviewed Journals of National and International and 03 book chapter. He is the life member of many scientific societies.

- Dr Mani as a Ayurvedic physician continue to attend patients including CSIR-CIMAP employees and their dependent family members for diagnosis and treatment by Ayurveda at CSIR-CIMAP dispensary.

Area of Interest

- Reverse pharmacology using modern drug development method
- Herbal nutraceuticals (formulations and supplements for disease prevention)
- Standardization and scientific validation of classical formulations.
- Validation of Herbal formulation based on Ayurveda.

10. Qualifications (Please provide Degree, University, Stream and Year)

Degree	Subject	Division / Award	Year	University
BAMS	<i>Charaksamhita, Kayachikitsa Salya, Salakya</i>	First	1992	Kameswar Singh Sanskrit University, Darbhanga, India
MD Medicine in Ayurveda	<i>Kayachikitsa</i> [Internal Medicine]	Award	2002	State Ayurvedic College & Hospital, University of Lucknow, Lucknow, India
Ph D in Ayurveda	<i>Kayachikitsa</i> [Internal Medicine]	Awarded	2021	State Ayurvedic College & Hospital, University of Lucknow, Lucknow, India

11. Academic/Research Experience (provide bullet wise details)

- **Dr DN Mani** working in the area of Herbal formulation development from last 16 years.
- Dr Mani served as Medical Officer in CSIR-CIMAP dispensary for many years. He works at the interface of traditional and modern approaches in Ayurveda. He has developed some herbal products for human health and transferred the technology to the industry.
- Faculty of AcSIR and JNU Ph D Program.

12. Honours & Awards (provide bullet wise details)

- Bio Talent award at Bangalore Bio-2008.
- CSIR Technology Award for Life Sciences-2016.
- CSIR Technology Award for Life Sciences-2018.

13. Research Publications (provide bullet wise details)

Key Publications:

- Chanda D, Shanker K, Pal A, Luqman S, Bawankule DU, **Mani D**, Darokar MP (2009). Safety evaluation of *Trikatu*, a generic Ayurvedic medicine in Charles Foster rats. *J. Toxicological Sci.* 34(1):99-108.
- Bawankule DU, **Mani D**, Pal A, Shanker K, Yadav, NP Yadav, Srivastava S, Kumar A, Agrawal J, Shasany AK, Darokar MP, Gupta MM, Khanuja SPS (2009). Immuno-potentiating effect of *Ocimum sanctum* based traditional knowledge preparation (CIM CANDY). *J of Health Science* 55 (2): 285-289.
- Singh DP, **Mani DN**, (2014). Protective effect of *Triphala Rasayana* against paracetamol-induced hepto-renal toxicity in mice. *Journal of Ayurveda and Integrative Medicine*. [doi: 10.4103/0975-9476.146553]
- Singh AK, Singh DP, Anshul N, Singh D, **Mani DN** (2014). African basil as source of vitamins for the growth and development of *Helicoverpa armigera* hubner (Lepidoptera: noctuidae). *Journal of Entomology and Zoology Studies* 2(4): 304-310.
- Awasthi H, Usman K, Nischal A, **Mani DN**, Khattri S, Dixit RK, Sawlani KK, Nath R (2014). Corroboration of the ethno-pharmacological use of a standardized Ayurvedic polyherbal formulation in type 2 diabetic patients - a pilot clinical study. *International Journal of Current Research* 6(7): 7504-7507.
- Shukla S, **Mani DN** (2015). Role of national R&D institutes in devising novel strategies for empowerment of weaker sections of society in India. *Journal of Social Sciences and Humanities* 1(2): 138-145.
- Mishra P, Kumar A, Nagireddy A, **Mani DN**, Shukla AK, Tiwari R, Sundaresan V, 2016. DNA barcoding: An efficient tool to overcome authentication challenges in the herbal market. *Plant Biotechnology Journal* 14(1): 8-21.
- Amit Kaushik, Athar Husain, Harshika Awasthi, Dewasya Pratap Singh, Raziuddin Khan and **Daya Nandan Mani**, 2017. Antioxidant and Hepatoprotective Potential of *Swaras* and *Hima* Extracts of *Tinospora cordifolia* and *Boerhavia diffusa* in *Swiss albino* Mice. *Pharmacognosy Magazine*. 13:S658-62
- Athar Husain, Amit Kaushik, Harshika Awasthi, Dewasya Pratap Singh, Raziuddin Khan and **Daya Nandan Mani** 2017. Immunomodulatory and antioxidant activities of fresh juice extracts of *Brahmi* and *Guduchi*. *Indian Journal of Traditional Knowledge*. 16 (3), 2017.
- Awasthi Harshika, **Mani Daya Nandan**, Singh Divya, Gupta Atul. 2018, The underlying pathophysiology and therapeutic approaches for osteoporosis: *Medicinal Research Reviews*. 38(6) 2024-58.
- **Daya N. Mani**, Seema Shukla and Yogendra N. Shukla, Medicinal plant-derived therapeutics for treatment of neoplasm in modern and traditional system of medicine. *Journal of medicinal and Aromatic Plant Sciences* 42 (1-2) January –June, 2020.
- Dewasya P. Singh, Amit Kumar, Vereena Rodrigues, K.N. Prabhu, Amit Kaushik, **Daya N. Mani**, Ashutosh K. Shukla, Velusamy Sundaresan. DNA barcoding coupled with secondary structure information enhances *Achyranthes* species resolution. *Journal of Applied Research on Medicinal and Aromatic Plants*. Aug 2020.
- Gupta AK, Shukla AK, Singh P, Mall M, Yadav S, Shasany AK, Shanker K, Baskaran K, Sundaresan V, Talha M, Srivastava A, Gupta S, Khare P, **Mani DN**, Samad A. 2020, CIM-

Sushil: A high vindoline yielding variety of *Catharanthus roseus* (L.) G. Don, Journal of Medicinal and Aromatic Plant Sciences, India.

- Rakesh Pandey, **Dayanandan Mani**, Karuna Shanker, Dnyaneshwar Umrao Bawankule, Debabrata Chanda, Raj Kishori Lal, Anirban Pal, Puja Khare, Narendra Kumar, Sudeep Tandon, Dharmendra Saikia, Anil Kumar Gupta, Ramesh Kumar Srivastava, Sanjay Kumar, Ram Suresh, Saudan Singh, Alok Kalra, Anil Maurya, Dewasya Pratap Singh, Taruna Pandey, Shalini Trivedi, Shachi Suchi Smita, Akanksha Pant, Laxmi Rathor, Jyotsna Asthana, Mashu Trivedi, Prabodh Kumar Trivedi. Towards the development of phytoextract based healthy ageing cognitive booster formulation, explored through *Caenorhabditis elegans* model. The Nucleus: An International Journal of Cytology and Allied Topics, 2022;65(3):303-320.

14. Book Chapters (provide bullet wise details)

- Saroj BK, **Mani DN**, Mishra SK, 2012, Scientific validation of polyherbal hepatoprotective formulation, ISBN: 3659250759, LAP Lambert Academic Publishing, from Germany.
- **Daya N. Mani**, Amit Kaushik, Harshika Khann, Dewasya P. Singh, Ajay Kumar, Manish K. Patel, Maneesha Mall, Pallavi Pandey, V. Sundaresan, Karuna Shanker, Ashutosh K. Shukla, Kamal Sachdev, 2018, *Anti-allergic property-based screening and validation of medicinal plants described in Ayurveda*. Hai-Phong, Vietnam.
- Mall M, Singh P, Yadav S, Sundaresan V, **Mani DN**, Shasany AK, Shukla AK / Kole C (Ed.),2022. *The Catharanthus Genome*, Compendium of Plant Genomes. Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland

15. Patents (provide bullet wise details)

- 01: A Synergistic Herbal Composition useful for the management of diabetes.

16. Varieties (provide bullet wise details). 01: [Variety release of Cim Sushil]

17. Technologies developed (provide bullet wise details)

- A polyherbal formulation for management of diabetes.
- CSIR-CIMAP, Cough Syrup for the management of the allergic cough.
- CIMAP Herbal Mouthwash for anti-caries activity formulation
- Immunomodulatory activity of *CIM-Paushak* in *Swiss Albino* Mice. (A scientific *awaleh* preparation)
- Fruit-based granules, enhance the immune potential of the body. (CIM-Phal-Se chewable granules)
- Safety evaluation of *Trikatu*, a generic *Ayurvedic* medicine in Charles Foster rats.
- Immunopotentiating effect of *Ocimum sanctum* based CIM CANDY.
- Oral formulation based on *Ayurvedic* principal for synergetic combination of three plants extract effective at low dose for the treatment of arthritis related conditions
- Preparation of *Arjuna rista* / *Arjuna kshir pak* for scientific evaluation.
- Development of herbal formulation for hyper Pyrexia.

18. Technologies transferred (provide bullet wise details)

- NBRMAP-DB (Trade Name: **BGR-34**) a polyherbal formulation for management of diabetes has been licensed to industry. (AIMIL Pharmaceuticals, India)
- Herbal Cough Syrup, Poly herbal formulation for management of Allergic cough has been licenced to Industry [Deshavri Global Pharmaceuticals, LLP.
- CIMAP Phal Se , fruit based Granules for management of nutritional support for Gut / Bowel regulator [or gut immunity] has been licenced to Industry [Deshavri Global Pharmaceuticals, LLP.

19. Research Scholars (provide details)

1. AcSIR Ph.D. Scholar **Mr. Dewasya Pratap Singh** at CSIR-CIMAP, Lucknow. **Thesis Awarded.**
2. AcSIR Ph.D. Scholar **Mr. Amit Kaushik** at CSIR-CIMAP, Lucknow. **Thesis Submitted.**
 - CIMAP-JNU Ph.D. Scholar **Ms Mridula Sahu** at CSIR-CIMAP, Lucknow.
 - CIMAP-JNU Ph.D. Scholar **Ms Pratibha Sangwan** at CSIR-CIMAP, Lucknow.
 - CIMAP JNU Ph.D. Scholar **Mr. Aashcharya U. Mishra** at CSIR-CIMAP, Lucknow.
 - CIMAP, Aroma mission project **Ms. Aakritu Gupta** PA, Under Aroma mission at CSIR-CIMAP, Lucknow.
 - CIMAP, Aroma mission project **Ms. Meenu Devi** PA, Under Aroma mission Phase III at CSIR-CIMAP, Lucknow.

20. Any other information you may want to show

Involvement in Various Institutional and other than Institutional Committee

- Member, CSIR-CIMAP Medical Committee
- Institutional Human Ethics Committee, State Ayurvedic College Lucknow
- Member, Institutional Animal Ethics Committee
- Member, Secretary Institutional Human Ethics Committee
- Member, Institutional Benevolent Fund Committee
- Member, Indian Pharmacological Society
- Member, Executive Committee, MAPSI, Lucknow
- Member, Ayush Medical Association.
- Member, Nutrition Society of India
- Member, Association of Knowledge Workers, Lucknow
- Member, Herbal Products/Technology Price-Fixation Committee

