



CURRICULUM VITAE

Dr Aayush Gupta

Professor and Head, Department of Dermatology, Venereology and Leprology

Dr. D.Y. Patil Medical College, Hospital and Research Centre, Dr. D.Y. Patil Vidyapeeth, Pimpri, Pune

102

papers

748

citations

12

h-index

64

first or senior author

7

clinical trials as PI

₹7.5

crore in grants

5

patents

Aayush Gupta is Professor and Head of the Department of Dermatology, Venereology and Leprology at Dr. D.Y. Patil Medical College, Hospital and Research Centre, Dr. D.Y. Patil Vidyapeeth, Pimpri, Pune. He is Director of Strategic Initiatives at the medical college, heads the Bioprinting Laboratory of Dr. D.Y. Patil Vidyapeeth and directs the MD dermatology residency programme. He founded Qtanea Solutions Private Limited, which makes Vybe, a vibratory anaesthesia device, and OpenScholar, a research information platform for universities, and he holds five patents in India and the United States. He has published 102 papers, is principal investigator on seven industry clinical trials and has raised nearly ₹7.5 crore for research, made up of nine extramural research grants and a ₹50 lakh seed fund for his company Qtanea Solutions. His research covers vitiligo, ichthyosis and other genodermatoses, leprosy, wound healing and imaging with artificial intelligence.

Speciality Dermatology	Department Department of Dermatology, Venereology and Leprology	Company Qtanea Solutions Private Limited
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Appointments

At Dr. D.Y. Patil

Professor and Head

Department of Dermatology, Venereology and Leprology

Director of Strategic Initiatives

Dr. D.Y. Patil Medical College, Hospital and Research Centre

Head, Bioprinting Laboratory

Dr. D.Y. Patil Vidyapeeth

Programme Director

MD Dermatology residency

Industry and editorial

Founder and CEO

Qtanea Solutions Private Limited

Clinical Advisory Board

Adiuvio Diagnostics

Scientific Advisor

Clarivo Biosciences

Consulting Editor

Clinical, Cosmetic and Investigational Dermatology

Awards

Two awards from the National Academy of Medical Sciences, the Lokmat Dhanvantri Award, two journal awards and a science fellowship in Japan.

Dr A.S. Thambaiiah Award	National Academy of Medical Sciences, NAMSCON 2022, Jaipur
Amritsar Award	National Academy of Medical Sciences, 2022–23
Dhanvantri Award	Lokmat, 2023
Two category awards	Indian Journal of Dermatology, Venereology and Leprology, Journal awards
Sakura Science Fellow	Japan Science and Technology Agency, Fellowship in Japan

Memberships

Indian Association of Dermatologists, Venereologists and Leprologists	life member
International Society of Dermatology	Member
GUaRDIAN	rare-disease genomics consortium

Research programmes

Seven programmes, from the skin surface to the subcutis

Above the skin surface Imaging and diagnostics 4 papers	Stratum corneum Ichthyosis and genodermatoses 16 papers	Basal layer and melanocytes Vitiligo and pigment biology 15 papers
Epidermis and dermis Procedures and pain 8 papers	Dermal nerves Leprosy and infection 15 papers	Dermis Wound healing and tissue engineering 2 papers
The whole patient Quality of life 11 papers		

Clinical trials

Principal investigator on all 7

Placebo-controlled · Sun Pharma Severe alopecia areata in adolescents Deuruxolitinib Submitted to DCGI	Phase 0 · Johnson & Johnson Multibacillary leprosy, treatment monitoring Skin assessment chart and plasma PGL-I Opens October 2026	Phase 2 · Ahammune Biosciences Non-segmental vitiligo Topical AB1001 Opens October 2026
Observational · Systopic Laboratories Hair health in adults H-Vit hair serum Opens October 2026	Phase 4 · Johnson & Johnson Psoriasis Guselkumab, subcutaneous Opens November 2026	Phase 3 · Johnson & Johnson Multibacillary leprosy Bedaquiline with rifampicin and clofazimine (LIGHT) Under way since January 2025
Registry · Pfizer Atopic dermatitis, alopecia areata and vitiligo Immuno-dermatology disease registry Started March 2025, completed		

Research grants

₹7.5 crore in total

CSIR-IGIB · ₹4.5 lakh Skin cell homeostasis Principal investigator · 2015 to 2017, completed	Adiuvo Diagnostics · ₹3.5 lakh Portable fluorescence dermascope to identify the pathogens of skin infection Principal investigator · 2019, completed	ICMR · ₹67.8 lakh Topical transglutaminase-1 nanocomplex for enzyme replacement in autosomal recessive congenital ichthyosis Principal investigator, with CSIR-IGIB · 2019 to 2021, completed
IADVL · ₹5 lakh Melanocyte and fibroblast cross-talk in keloids Principal investigator · Since 2021, ongoing	DBT · ₹85.5 lakh Fully automated device that sprays a sterile bioscaffold carrying the patient's own cells Principal investigator, with CSIR-IGIB and BITS Pilani · Since 2023, ongoing	ANRF · ₹3 crore Switchable bispecific BCMA/CD19 CAR-T cell therapy for refractory systemic lupus erythematosus Principal investigator, with IIT Kanpur · Since December 2025, ongoing
ANRF · ₹77 lakh Immune-competent 3D human skin model of vitiligo Joint principal investigator with Dr Rohit Kothari, with CSIR-IGIB · Since December 2025, ongoing	ICMR · ₹85 lakh Skin-on-Chip for screening cosmetic endocrine disruptors relevant to PCOS Joint principal investigator with Dr Roopesh Rai · Since September 2026, ongoing	DBT · ₹70.82 lakh Non-viral TGM1 delivery validated in a TGM1-deficient 3D human skin model Principal investigator, with CSIR-IGIB · Starts December 2026

Patents

United States Pathogen detection device Adiuvo Diagnostics Pvt Ltd. Granted 13 December 2022. US 11,523,738	India Fluorescence detection of pathogens Adiuvo Diagnostics Private Limited. Granted 22 October 2019. IN 323440	India Detection of cellular entities Adiuvo Diagnostics Private Limited. Granted 4 April 2025. IN 564943
India Punch biopsy instrument Dr. D.Y. Patil Vidyapeeth, Pune. Granted 31 January 2025. IN 559407	India Pain-abating device Dr. D.Y. Patil Vidyapeeth and Qtanea Solutions Pvt. Ltd. Granted 16 January 2024. IN 499691	

Recent papers

All 102 papers

When biologics fail: Tofacitinib-induced remission in a child with severe, genetically ambiguous psoriasis
Indian Journal of Dermatology, Venereology and Leprology 2026 [Senior author](#) [DOI](#)

Port-wine capillary malformation
Journal of the American Academy of Dermatology 2026 [DOI](#)

Measuring the composition and availability of human resources for health by sex in 204 countries and territories, 1990–2023, and workforce gaps for universal health coverage: a systematic analysis for the Global Burden of Disease Study 2023
The Lancet Public Health 2026 [DOI](#)

Comment on Case Series of Kaposi’s Varicelliform Eruption Associated with Underlying Primary Dermatoses
Indian Journal of Dermatology 2026 [Senior author](#) [DOI](#)

Nevus of Ota
Journal of the American Academy of Dermatology 2026 [DOI](#)

Global, regional, and national burden of HIV/AIDS, 1990–2023, with the estimated burden attributable to intimate partner violence and forecasted impacts of funding cuts through 2030: results from the Global Burden of Disease Study 2023
The Lancet HIV 2026 [DOI](#)

Decoding biological drug names in dermatology: The post-2022 WHO nomenclature revision and its implications for clinical practice
Journal of the American Academy of Dermatology 2026 [Senior author](#) [DOI](#)

Co-Occurrence of En Coup de Sabre, Parry-Romberg Syndrome, and Hemimasticatory Spasm: A Case Report
Case Reports in Dermatology 2026 [Senior author](#) [DOI](#)

microRNA miR-31-5p confers protection to melanin-deficient vitiligo keratinocytes against UV-B induced DNA damage by activating autophagy machinery
Scientific Reports 2026 [DOI](#)

Revisiting Leonine Facies: Toward More Inclusive Differential Diagnoses
Indian Dermatology Online Journal 2026 [Senior author](#) [DOI](#)

Talks and media

Lecture on SIRT1, vitiligo and skin cancer	NAMSCON 2022 · Jaipur
Award at the 62nd annual conference of the National Academy of Medical Sciences	NAMSCON 2022 · Jaipur
Honoured at ROOTS-VIII, the national conference on laser and aesthetic dermatology	June 2025 · Pune
Hands-on workshop at ROOTS-VIII	June 2025 · Pune
Opening of ROOTS-VIII	June 2025 · Pune
At the QS Higher Ed Summit: Asia Pacific 2025	November 2025 · Korea University, Seoul
With colleagues at the QS summit	November 2025 · Korea University, Seoul
Featured as the treating dermatologist	TLC UK · Body Bizarre
Featured as the treating dermatologist	MedTech Innovator · Adiuvo Diagnostics