

Proposer & Nominators

- 1. Dr Vrajesh Udani**
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Professor Sheffali Gulati
MD (AIIMS), Fellow, INSAR
FRCPCH (UK), FAMS, FIAP, FIMSA, FNASc, FIANS

Current Designation & Affiliation:

- Professor, Child Neurology Division, Department of Pediatrics, All India Institute of Medical Sciences (AIIMS), New Delhi
- Faculty In Charge, Centre of Excellence & Advanced Research for Childhood Neurodevelopmental Disorders, AIIMS, New Delhi
- Adjunct Faculty, National Brain Research Centre, Manesar

Areas of Interest:

- Pediatric Neurology, Neurodevelopmental Disorders (Autism, CP, ADHD, SLD)
- Special Interest
 - Neuromuscular Disorders (SMA, DMD),
 - Epilepsies
 - Dietary Therapies
- Role of Technology Artificial Intelligence in Child Neurology, Neurorehabilitation & Early Intervention

Major Achievements (Recent):

- Developed AI-based dyslexia remedial program (readabled.com)
- Immersive VR/AR platform for Joint Attention in autism
- Co-Founder, Early Neurorehabilitation Centre “Holding Hand in Magical Years”
- Weekly AOCN-AIIMS international webinars (71 sessions, 74 countries), **YouTube channel has 1.27K subscribers and 36,063 views.**
- Co-Founder DM Pediatric Neurology pioneer program in 2004, 1st in South Asia – 54 Students

Awards & Recognitions:

Fellow, **International Society for Autism Research (INSAR)** 2025
A.B. Baker Teacher Recognition Award, **American Academy of Neurology (AAN)** 2024
Women in Medicine Award (2024), NAMS
International Society for Autism Research (INSAR) Cultural Diversity Award (2024)
– as a team

“Women in Medicine Award for the year 2024” and delivered an Oration (Women in Medicine: Pioneers of Change) by National Academy of Medical Sciences, India
Appointed as **Governing Body Founding Member of INSA** (Indian National Science Academy) **Women Associates.**

Honorary Distinguished Fellow, Global Association of Physicians of Indian Origin (GAPIO)

Dr. I.A. Modi Award – GAPIO (2024)

Sheila Wallace Award (First Indian recipient) by International Child Neurology Association (May 2014) for excellence of the CV and substantial contributions made in Child Neurology; delivered plenary lecture: - Establishing a program for Neuro-developmental disorders in resource constrained settings: Opportunities and challenges in International Child Neurology Congress, Iguazu falls, Brazil.

Publications:

- Over 508 peer-reviewed articles (Including N&JM, JAMA Pediatrics)
- Lancet Neurology
- Reviewer for 60+ journals; Editor, Autism (SAGE, IF 7.5); Associate Editor – Frontiers, Neurology India

Member of IAN Since:

- 2000: LAM – 078
- 2021: LM - 1931

Member of Pediatric Neurology Subsection Since:

- Inception 2019

Contributions to the Subsection:

- Member of DM curriculum committee and guidelines development group of Indian Academy of Neurology
- I was involved in organizing various conferences and workshops conducted in association with the Pediatric Subsection of IAN, as mentioned below-
 - Part of organizing team of “Pediatric Neuroimmunology Update” held on March 29–30, 2024 at PGIMER, Chandigarh.
 - Part of organizing team of “2nd National Pediatric Stroke Conclave 2024” held on June 29–30, 2024 in Bengaluru.
 - Organized a workshop on “Holistic Management of Autism: Current Updates”, held on 21–22 September 2024 at S.E.T. Facility, AIIMS.
 - Part of organizing team of “Advances in Pediatric Neuromuscular Diseases” held on 14–15 March 2025 at Hotel Hyatt Regency, Thiruvananthapuram.

- Have tried to develop collaborations in academics (including Joint AOCN & IAN Webinars), Patient Registry Development, Development of Guidelines and Treatment flow & Patient Awareness/Empowerment. (Part of the group of experts of the “Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network” under the aegis of Indian Council of Medical Research (ICMR)for developing the Pediatric guidelines)

Why I Want to Become Convenor of the Subsection:

- As the president of AOCN India, and National Delegate & Executive Board Member of AOCNA and Current Convenor of the Pediatrics Subsection of IAN. I have been trying to develop collaboration between Pediatric and Adult Neurologist in academic patient care and research.
- Empowerment of early career professionals and development of mentorship programs.
- Developing referral Networks
- Development of various patient registries
- Development of guidelines on contextual topics.
- Development of robust transitional care, protocol & guidelines.
- I look forward to advancing the IAN pediatrics subsection as a global benchmark in pediatric neurosciences with the smooth collaboration with Adult Neurologists.

Enclosed Detailed CV Summary as Annexure 1

CURRICULUM VITAE

PERSONAL DATA

- Name: Professor Sheffali Gulati
- Citizenship: India

ADDRESS

- Professional Address: 805, 8th floor, Mother Child Block, All India Institute of Medical Sciences, Ansari Nagar East, New Delhi, Delhi – 110029, India
- Telephone Number: +91-9810386847, +91-11-29576823
- Fax Number: +91-126588663, +91-11-26588641
- E-mail Address: sheffaligulati@gmail.com

EDUCATION

- MBBS, AIIMS, New Delhi, 1988 – 1993
- MD, AIIMS, New Delhi, 1994 – 1996

POSTDOCTORAL TRAINING

- Trained in Neuromuscular disorders at the 8th Summer School of Myology in Paris June 2005.
- Fellow, International Medical Sciences Academy (FIMSA), 2009
- Fellow, Indian Academy of Pediatrics (IAP), 2012
- Fellow, National Academy of Medical Science (FAMS), 2016
- Fellowship of the Royal College of Pediatrics and Child Health, 2021
- Fellow, National Academy of Science, India (NASI), 2023
- Fellow, Indian Academy of Neurosciences, 2023
- Distinguished Fellow, Global Association of Physicians of Indian Origin (GAPIO) 2024
- **Fellow, International Society for Autism Research (INSAR), 2025**, highest honour for research with significant international impact on the scientific understanding, clinical practice, educational methods and/or policy related to autism.

- Appointed as **Governing Body Founding Member of INSA** (Indian National Science Academy) **Women Associates.**

No special leaves or sabbatical leaves taken from academic appointments for research

ACADEMIC/ CLINICAL APPOINTMENTS

- Senior Resident (Pediatrics), AIIMS, New Delhi, Feb1997- March 2000
- Senior Research Associate (Pediatrics), AIIMS, New Delhi, April 2000 to 6.07 2000
- Assistant Professor (Pediatrics), AIIMS, New Delhi, 7.7.2000 to 30.6.2005
- Associate Professor (Pediatrics), AIIMS, New Delhi, 1.7.2005 to 30.6.2008
- Additional Professor (Pediatrics), AIIMS, New Delhi, 1.7.2008 to 30.6.2012
- Professor (Pediatrics), AIIMS, New Delhi, 1.7.2012 to till date
- Visiting faculty: PG diploma Developmental Neurology, CDC, Thiruvananthapuram,
- Faculty for the Epilepsy Teaching Program (ETP) of the Indian Epilepsy Society,
- Faculty for Epilepsy and neurodevelopmental disorders training at NIPCCD (National Institute of Public Cooperation and Child Development) for Advanced Diploma in Child Guidance and Counselling,
- Adjunct Faculty, National Brain Research Institute (NBRC), Manesar 2023

ACADEMIC ADMINISTRATIVE APPOINTMENTS

- Program Director/ Faculty In-charge, DM Pediatric Neurology Program (First in South Asia), Child Neurology Division (April 2008 onwards), Department of Paediatrics, All India Institute of Medical Sciences, New Delhi
- Faculty In-charge, Child Neurology Division (April 2008 onwards), Department of Paediatrics, All India Institute of Medical Sciences, New Delhi
- Faculty In-charge, Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders (December 2017 onwards), Department of Paediatrics, All India Institute of Medical Sciences, New Delhi

CONSULTING POSITIONS & COMMITTEE & ADMINISTRATIVE SERVICES/ MEMBERSHIPS & OFFICES IN PROFESSIONAL SOCIETIES/

Consulting positions & committee & administrative services:

- Appointed as **Governing Body Founding Member of INSA** (Indian National Science Academy) **Women Associates.**
- National Delegate- India (2023) & Executive Board Member -Asian Oceanian Child Neurology Association
- President 17th Asian Oceanian Child Neurology Congress 2025
- Member, ILAE (International league against epilepsy) Equity, Diversity and Inclusion Task Force 2023
- INSAR Global Senior Leader (Founder) - 2021 onwards
- President, Association of Child Neurology India, 2023 – 2025
- Member of **Technical Working Group for drafting and finalization of “National Biomonitoring Program for Chemical Toxicants” NCDC**
- Member, Advisory Board & Co-Lead coordinator for Neurodevelopmental disorders modules-International Child Neurology Teaching Network (ICNTN) of the ICNA (International Child Neurology Association) and Co-coordinator of an SIG on AI in Child Neurology
- Site lead - Indo-Canadian Autism Network (I-CAN) for collaboration in academics, clinical and research areas of autism spectrum disorder and actively involved in the diagnostic evaluation and research sub committees.
- Founder & Co-Convenor, Pediatric subsection (2020-2-23)), Executive Board member (2021-2025) Indian Epilepsy Society
- Convenor, Paediatric subsection; Member DM curriculum committee and National Guidelines committee, Indian Academy of Neurology 2023
- Vice-Chairperson, Technology Governance Steering committee for Healthcare, All India Council for Robotics and Automation (AICRA)
- Nominated as Indian Co-ordinator for DST's Indo-Israel women conference on Women Medicine 2023 by DST
- Executive Board Member (2017), Advisory Board Member (2017), Chairperson (2021), Guidelines Coordinator (2022), Founder & Chairperson - Academy of Pediatric Neurology - Delhi (2023), Indian Academy of Paediatrics

- Member of Committee constituted by Ethics & Medical Registration Board, National Medical Commission, to develop recommendations on use of stem cell treatment for autism spectrum disorder; Chairperson, Committee for formulating disability guidelines for neurodevelopmental disorders, and another committee for chronic neurological illnesses, MOHFW; Chairperson for Committee of Experts for guidelines for management of Autism
- Member, Global Research on Developmental Disabilities Collaborators
- National Coordinator for training Master Trainers across India in diagnosing and certifying children with Autism (National Trust), have been selected to develop online training and certification course for the same.
- Member of National Committee for Autism Spectrum Disorders and National policy on Toxins in health of Ministry of Health
- **INSAR Cultural Diversity Award, 2024** for Compass Consortium (part of team).
- Member of the Global Burden of Disease Collaborative Network, 2024
- Appointed as an esteemed member of Governing body of INSA Women Associates (I), 2024
- Founder member, Executive Board Member, Life member of Association of Child Neurology, 2004
- Expert member for committee in the development of guidelines on – “Sustainability and Resilience in the Indian Health System” – Observer Research Foundation (ORF)
- Expert member of international consortium on dietary therapies (core KDT).
- Expert member of International Expert Panel for consensus in diagnosis and management of children with Sydenham chorea.
- Member of IAP-WHO Task Force for incorporating “Nurturing Care for Early Childhood Development” (NC-ECD) in UG/PG Curriculum
- Subject Expert for National Institute for Empowerment of Persons with Multiple Disabilities.
- Reviewer of Projects for Medical research Council, UK; Expert Project Monitoring Committee Member (PMC) for a study under the Grand Challenges India (GCI) initiative and Rehabilitation Council of India.
- Steering Committee member of MOSJE under the scheme of “Financial support to Study and Research on priority areas of disability sector and to Research & Development of suitable product, aids & appliances for empowerment of Persons with Disability”
- National Coordinator for training Master Trainers across India in diagnosing and certifying children with Autism (National Trust), have been selected to develop online training and a e certification course for the same.

- Chairperson of subcommittees on Developmental disorders and chronic neurodegenerative disorders, Certification as Disability.
- Member of Central Technical Committee of Rare disease, Government of India and coordinated treatment modules for Neuromuscular Disorders.
- Ministry of Health and Family Welfare various committees including COVID-19 and rare diseases (Central Technical Committee of Rare Disease, National Committee for Autism Spectrum Disorders, National policy on Toxins in health)
- ICMR: Rare Disease, genetics and registry.
- Representative of MOHFW for reviewing National Trust Act Amendment
- Ministry of Social Justice and empowerment various committees: Chairperson, Expert Committee meeting on Categorization of Special Needs Children and chronic neurological disorders.
- Member of Centre of excellence core committee of AIIMS 2023, New Delhi
- Member of various ICMR committees on Stem cells, rare diseases, MD dissertation.
- Member of Central Technical committee for rare diseases, GOI
- Member of committee to formulate a national strategy/guideline under District Mental health program and modalities of a Centre of Excellence in Autism.
- Member of International STEER Champion task force for SMA
- Member of National level expert group to discuss Unmet Need in the Diagnosis and Management of Spinal Muscular Atrophy
- Expert for DCGI, neuromuscular disorders, epilepsy
- Co-Chair, Neuromuscular disorders group, National Consortium for Research and Development on Therapeutics for Rare Disease in India, ICMR
- Coordinator of the committee formulating guidelines for DMD and SMA by MOHFW
- Member of Global genes, Global advocacy alliance
- Expert Group Member for reviewing Fellowships under Division of Reproductive Biology, Maternal & Child Health; genetics of ICMR and Human Genetics and Haematology; Neuromuscular disorders expert group (muscle bio banking)
- Part of the team that submitted proposal for National Epilepsy Control Program to MoHFW
- Expert in International group for launching of a Global Action for Autism, Dhaka, September 2014; SAARC Group 2011, 2014, 2017.
- Strategic framework document for children with developmental difficulties(MOHFW)
- ICMR: Rare Disease, genetics and registry.

- Representative of MOHFW for reviewing National Trust Act Amendment
- National trust: National Coordinator for training master trainers in Autism tools; early intervention
- Ministry of Women and Child Development, active in various committees
- Expert of the IAP, WHO, UNICEF Early childhood development program, Global Research on Developmental Disabilities Collaborators (GRDDC), Lancet commission on Covid 19; Academic committee of Fellowship program and Journal committee of Neurodevelopmental Chapter of IAP, National board in Pediatric Neurology, National List of Essential Medicines, Indian pharmacopeia mission, DCGI, Signal review panel, National Formulary of India, Biotechnology Industry Research Assistance Council, UGC expert, WHO, Consortium of Academia and Industry for capacity building, faculty recruitment for various hospitals and universities, for Developing and updating Guidelines for diagnosis and management of Childhood epilepsy, Expert for developing Framework for Convergent action towards comprehensive care of children with difficulties (MOHFW), Member of ICMR Project Review Group, ICMR Task Force, co-chair neuromuscular disorders in rare disease consortium, stem cell guidelines, DBT Technical Expert Committee (TEC), NMC expert group including of stem cell guidelines, Neurology Expert Group, UNICEF:ECD task force, NCERT, CBSE, Child Neurology-Indian Epilepsy Society, Scientific Advisory Committee, Kerala University of Health Sciences, steering Cum Advisory Committee for Centre of Excellence on Early Childhood Development at Department of Psychology, Utkal University, National Level consultative Expert Group, National Advisory Board Member of Indian Rett Syndrome Foundation, National Advisory Board member of Indian Epilepsy Society
- Patron The Blessed Heart Foundation, 3rd International BMI Autism conference
- Nodal officer for AFP surveillance since 2000
- Chairperson, Board for disability assessment and certification.
- Co-Organizer for Augmentative and Alternative Communication (2017 and 2020) course by Action for Ability Development and Inclusion (AADI)
- Expert committee member for formulation of guidelines for development of curriculum for Doctorate of National Board for Pediatric Neurology for National Board of Examinations, As a subject expert in Syllabus Workshop for Pediatric Neurology Assistant Professor (Medical Education Department) Rajasthan Public service commission
- Only Asian Expert selected for Elicitation Board Expert Group for Autism Spectrum Disorder, France

Membership of Professional Bodies: *Life member, member / fellow of more than 35 associations like American Academy of Neurology, Asian Oceanian Congress of Child Neurology, INSAR, ICNA (member for over 24 years), ILAE (International league against epilepsy), Founder member Association of Child Neurology, India Global Burden of Disease Collaborative Network, Indo-Canadian Autism Network etc.*

- Founder member, Executive Board Member, Life member of Association of Child Neurology, 2004
- Elected as the Executive Board Member of Child Neurology Chapter of IAP 2017
- Advisory Board Member, Academy of Pediatric Neurology, IAP 2019 onwards
- Selected as International Society for Autism Research (INSAR) global senior leader for India, 2021
- Elected as Chairperson for Academy of Pediatric Neurology, IAP 2021
- Elected as Executive Board member and Co- convenor Pediatric subsection, Indian Epilepsy Society 2021
- Elected as President Association of Child Neurology 2023-2025
- Member of the Board of advisors of ICNTN (International Child Neurology Teaching Network) of the ICNA (International Child Neurology Association) and Faculty lead for Neurodevelopmental disorders in childhood module
- National Delegate, India – Asian and Oceanian Child Neurology Association (AOCNA)
- Site Lead for Clinical and Research in area of autism spectrum disorder as part of Indo-Canadian Autism Network (ICAN) and actively involved in the Diagnostic evaluation and research sub-committees
- Elected as Fellow of Royal college of Paediatrics and Child Health (FRCPCH), UK
- Fellow, International Medical Sciences Academy (FIMSA), 2009
- Fellow, Indian Academy of Paediatrics (IAP), 2012
- Fellow, National Academy of Medical Science (FAMS), 2016
- Fellowship of the Royal College of Paediatrics and Child Health, 2021
- Fellow, National Academy of Science, India (NASI), 2023
- Fellow, Indian Academy of Neurosciences, 2023
- Distinguished Fellow, Global Association of Physicians of Indian Origin (GAPIO) 2024
- **Fellow, International Society for Autism Research (INSAR), 2025**, one of the highest honours bestowed on an individual member whose research has made a significant

international impact on scientific understanding, clinical practice, educational methods and/or policy related to autism

- Appointed as **Governing Body Founding Member of INSA** (Indian National Science Academy) **Women Associates**.
- Life member of Indian Academy of Paediatrics, Delhi branch.
- Life member of Indian Academy of Paediatrics.
- Life member of Neurological Society of India.
- Life member, Indian Epilepsy Society
- Life member, Indian Epilepsy Association
- Life member of International Child Neurology Association.
- Life member of Asian and Oceanian Child Neurology Association.
- Founder member, Life member of Association of Child Neurology
- Life Member, of Indian Academy of Neurology; Member, Pediatric Neurology subsection of IAN
- Life member, Genetics Chapter of Indian Academy of Paediatrics.
- Life member, Child Neurology Chapter of Indian Academy of Paediatrics.
- Member of the reconstituted Central Technical Committee for Rare Diseases (CTCRD), 2025
- Member, Standing Committee for Academic Excellence Recognition, National Academy of Medical Sciences (NAMS), 2025
- Member, Clinical epidemiological Unit, AIIMS.
- Member, India CLEN
- Member, Childhood Disability Group, Indian Academy of Paediatrics.
- Member, Infantile Seizure Society
- Member, Indian Society of inborn errors of metabolism
- National Advisory Board Member of Indian Rett Syndrome Foundation
- Patron, The Blessed Heart Foundation
- Life Member, Pediatric Research and Education Society of India (PRESiDE)
- Member, American Academy of Neurology 2019, 2022
- Member, International Society for Autism Research
- Site-Lead, Indo-Canadian Autism Network (ICAN)
- Life Member, Indian Music therapy Association
- Member, Global Research on Developmental Disabilities Collaborators
- Member of Global genes, Global advocacy alliance

- Member of Child health task force, Quality of Care Network of child health task force; Child Survival Action Members
- Member, International League Against Epilepsy
- Member, International Bureau for Epilepsy
- Member, World federation of Neurology
- Member, World Muscle Society
- Member, American Epilepsy Society
- Member, European Paediatric Neurology Society
- Member, Child Neurology Society

SCIENTIFIC ACTIVITIES

- *Co-founded the first DM Pediatric Neurology Program in South Asia in 2004; heading DM program since April 2008; 53 students have completed the DM program and 11 are under training. Has contributed towards establishing of this DM program in 7 more institutes, Fellowship in Pediatric Neurology across India, and SAARC countries and now Doctorate National Board.*
- Mentored PhD (at AIIMS, NDRI, Gurgaon and IIT Kanpur), Short term trainees 18 (from India, USA, Bangladesh, Nepal, Sri Lanka, Kenya, Norway, Srinagar), MD (Paediatrics), MBBS, MSc and BSc Nursing
- Guide in thesis in the field of Child Neurology: 23 PhD, 56 MD/MS, 82 DM thesis. 42 students/ collaborators have been awarded various National/ International awards for work mentored/ collective work done.
- Examiner/Reviewer of various dissertations of postgraduates, Doctorates and post doc fellows of universities across India
- Visiting faculty at various prestigious institutes - CDC, Thiruvananthapuram, India and National Brain Research Institute (NBRC), Manesar
- Served as **Expert for Neurology projects** for multiple International MRC (UK), Grand Challenges India (GCI) initiative and various National agencies
- Editor / Reviewer of journals
 - **Editor of Autism (only Asian)** – Sage journal, UK (5-year IF – 7.525) 2022 onwards
 - **Guest Editor**, BMJ Paediatrics Open (BMJPO) special issue on Disability and ECD 2024

- **Review Editor** for Frontiers in Psychiatry: Child and Neurodevelopmental psychiatry (2011 onwards)
- **Co-editor/Associate Editor (1)** Indian journal of Developmental and Behavioural Paediatrics 2023 onwards
- **Associate editor** in Child & Adolescent Psychiatry Section of Frontiers in Psychiatry (Jan 2021 onwards) Associate editor in Children & Health Specialty Section of Frontiers in Public Health and Frontiers in Paediatrics (Jan 2021 onwards)
- **Editorial Board Member:** Journal of Special Education and Rehabilitation (2013 onwards); International Journal of Epilepsy: **Section Editor:** Pediatric Epilepsy (2013 -2020) Editorial Board member (2021 onwards); Journal of Pediatric Neuroscience (2013 onwards), Behavioural Neurology (2014 onwards); **Section Editor,** Epilepsy Neurology- Neurology India
- **Editorial Board member of JRTDD (Journal for Reattach Therapy and Developmental Diversities)**
- **Editorial Board member of Annals of Child Neurology**
- Advisory Board member of the Journal “Child Health”
- **Reviewer of articles for more than 60 Journals.**
 - Acta Paediatrics
 - Medical Science Monitor
 - Pediatric Clinics of India
 - Indian Journal of Paediatrics
 - Indian Paediatrics
 - Neurology India
 - Indian Journal of Medical Sciences
 - Indian Journal of Clinical biochemistry
 - The National Medical Journal of India
 - Journal of Pediatric Infectious Diseases
 - Journal of Pediatric Neurology
 - Journal of Medical Case reports
 - American Journal of Medical Genetics
 - Journal of Pediatric Epilepsy
 - Journal of Pediatric Neuroradiology

- BMJ open
- Case Reports in Paediatrics
- Journal of inherited metabolic disease
- Journal of Bioscience and medicine
- Review editorial board member of Frontiers in Neuropediatric
- Journal of Pediatric Neurosciences
- Research in Developmental Disabilities
- Journal of Special Education and Rehabilitation
- International Journal of Epilepsy
- Indian Journal of Medical Research
- Medical Sciences
- Journal of the Neurological Sciences
- International Journal of Disability, Development and Education
- Frontiers in Paediatrics
- Child & Adolescent Behaviour
- Annals of Indian Academy of Neurology
- Annals of Medical & Health Sciences Research
- Frontiers in Neurology
- Journal of International Medical Research
- Acta Neurologic Belgica
- JICNA
- Seizure
- BMC Paediatrics
- Journal of Post Graduate Medicine
- Drug Research
- BAOJ Neurology
- Journal of Autism and Developmental disorder
- Current Nutrition and Food Science
- Journal of Emergency Medicine, Trauma and Surgical care
- Meta Gene
- Asian Journal of Psychiatry
- Journal of Ophthalmology and Clinical Research
- Journal of Genetics & Genomic Sciences
- Journal of Child Science

- Epileptic disorders
- Scientific Reports
- Frontiers in Public Health
- Epilepsy Research
- Experimental Biology and medicine
- Bone
- PLOS one
- Developmental Medicine and Child Neurology
- eNeurological Sci
- International Journal of Molecular Sciences
- Iranian Journal of Paediatrics
- The Lancet Regional Health – Southeast Asia
- WHO South-East Asia Journal of Public Health
- Journal of Child and Family Studies

GRANT SUPPORT

Involved in research projects on diverse areas of Pediatric Neurology at International and National level (NIH, Autism speaks, MRC, UK, DBT, ICME, DST, UNICEF, WHO, National Trust USAID, MOHFW; AIIMS-UCL) which have led to advocacy and innovations. The prime focus has been on Autism and other Neurodevelopmental disorders

Till now a grant support of more than INR 900 million (INR 90 crores) has been generated for these various research projects at International/National level. Of these the research projects related to autism and other neurodevelopmental disorders have incurred a grant support of around INR 840 million (INR 84 crores).

Currently co-leading a National consortium on ASD: “Developing a National ASD Clinical Framework (NACF) for early diagnosis, intervention and prognostication based on clinical, imaging, electrophysiology and omics-based strategies”

[The details of the various extramural and intramural funded as well as non-funded projects are attached in the file linked.](#)

Various projects are being carried out under the Centre of Excellence and Advanced research on Childhood Neurodevelopmental disorders which includes collaborative work with national collaborators on genomics of ASD (IGIB), Neurorehabilitation (ASD, CP, SLD) using virtual reality, augmented reality and artificial intelligence, IMTA (Indian music therapy association) on music therapy in ASD and other neurodevelopmental disorders. IIIT Delhi on robotics in ASD and with GOSH, UCL on Registry. GFCF diet in ASD, another on probiotics. Toll-free 24x7 tele helpline/ teleconsultation services since April 2018. LncRNA in ASD (JNU) and Brain Computer interface with CDAC, New Delhi, “Neurocomputing and cognitive intelligence” with IIT Delhi and NIT Durgapur

Collaborative projects with international collaborators include : Multi-centric international collaboration with Universities of Stanford, Pennsylvania, Wisconsin: Neuro-developmental Disabilities among children in India: An INCLIN study (funded by NIH, Autism speaks, National Trust) Site- PI, Network coordinator, Development & validation of a scalable mobile platform for screening of developmental neuropsychiatric disorders in low-resource settings: START screening tools for Autism Risk using technology in collaboration with MRC, UK; A randomized, double-blind placebo controlled six-month study to evaluate the efficacy, safety and tolerability of Sarizotan in patients with the Rett Syndrome with respiratory symptoms in collaboration with Neuron Pharmaceuticals, Italy; "Establishing objective measures for identifying children with Autism Spectrum Disorders using eye-tracking technology in the UK and India (EIRA: Eye-Tracking assessment for children with Autism) in collaboration with Birkbeck, University of London and many more.

HONORS AND AWARDS

Have received many esteemed awards for works in the field of science pertaining to Pediatric neurology and neurodevelopmental disorders.

- **Member, Standing Committee for Academic Excellence Recognition**, National Academy of Medical Sciences (NAMS), 2025
- **Member of the reconstituted Central Technical Committee for Rare Diseases (CTCRD), 2025**
- **Fellow, International Society for Autism Research (INSAR), 2025**, one of the highest honors bestowed on an individual member whose research has made a significant

international impact on scientific understanding, clinical practice, educational methods and/or policy related to autism

- **“Women in Medicine Award for the year 2024” and delivered an Oration** (Women in Medicine: Pioneers of Change) by National Academy of Medical Sciences (NAMS), India
- Appointed as **Governing Body Founding Member of INSA** (Indian National Science Academy) **Women Associates**.
- **Second Prize “4th Annual Research Day, 2025 Excellence in Clinical Sciences** for Brain Stimulation and Constraint Induced Movement Therapy in Children with Unilateral Cerebral Palsy: A RCT **INSAR Cultural Diversity Award, 2024** for Compass Consortium (part of team).
- INSAR Cultural Diversity Award, 2024 for Compass Consortium
- American Academy of Neurology, A.B. Baker Teacher Recognition Award 2024
- Honorary Distinguished Fellow, Global Association of Physicians of Indian Origin (GAPIO) in recognition of contribution to healthcare in field of Child Neurology.
- Dr I A Modi Award (Distinguished Clinician), 2024 – Global Association of Physicians of Indian Origin (GAPIO) for pioneering contributions in Pediatric Neurology in India
- National Women Bio-scientist (Senior Category) Award, DBT 2021-2022 (Declared in 2023) recognition as a senior women scientist for her lifetime contributions performing excellent research
- “National Award for outstanding efforts in Science & Technology communication through innovative & traditional methods”. from the Department of Science & Technology 2021
- Sheila Wallace Award (First Indian recipient) by International Child Neurology Association (2014) for excellence of the CV and substantial contributions made in Child Neurology
- Awarded Atal Swasthya Bhushan Samman 2019 for her extraordinary clinical
- Award by Pediatric Neurology Chapter of IAP, in recognition of outstanding contribution in the field Pediatric Neurology 2019
- 6th Dr I C Verma Excellence in Research Award 2018 by The Dr K.C Chaudhuri Trust & Indian Journal of Paediatrics for research in the field of Child Neurology in India
- Amrut Mody UniChem Prize-2015 by Indian Council of Medical Research (ICMR), New Delhi for research in Epilepsy and Neurodevelopmental Disorders conferred in October 2017
- Dr S. Janaki Memorial Oration by National Academy of Medical Sciences October 2016 in recognition of outstanding contribution in the field of Child Neurology and delivered oration on: - Neurodevelopmental disorders: The Journey, The Dreams and Their Realizations

- Lifetime Achievement Award, Child Neurology Chapter of Indian Academy of Pediatrics, Oct 2014
- Fellowship Award by Vice President of Research & the Faculty of Medicine of McGill University 2006 and International Child Neurology Association 2010
- AIIMS Excellence Research Award 2020 (Conferred 2022) for the research titled- “Efficacy of Ketogenic Diet, Modified Atkins Diet, and Low Glycaemic Index Therapy Diet Among Children with Drug-Resistant Epilepsy: A Randomized Clinical Trial”.
- AIIMS Excellence Research Award 2019 for Clinical Research on Development and validation of a DSM5 based Diagnostic tool for ASD, (conferred in Sep 2020).
- AIIMS Excellence Research Award 2018 for Clinical Research titled “Development of All India Institute of Medical Sciences-Modified International Clinical Epidemiology Network Diagnostic Instrument for Neuromotor Impairments in Children Aged 1Month to 18 Years”
- AIIMS Excellence Research Award 2017 for Clinical Research titled “Development of validation of AIIMS modified INCLEN diagnostic instrument for epilepsy in children aged 1month-18 years.”
- AIIMS Excellence Research Award in the Clinical Research category in September 2014 for 2013-14: Neurodevelopmental and epilepsy outcome in children aged one to five years with infantile spasms- A North Indian cohort.
- Chairperson, Academy of Pediatric Neurology, IAP 2021 got the best specialty chapter award (3rd prize) for 2021 of Indian Academy of Paediatrics
- Part of team AIIMS, New Delhi awarded “Best Brain Stem Death Certifying Team for North Region” at the 14th Indian Organ Donation Day (IODD) event 2024.
- Received 2nd best poster award for Digital Health & Medical Education poster on AIIMS 66th Institute Day exhibition September 2021
- ISNS Bursary Award, for International Symposium on Neonatal Seizures and related Disorders April 2011
- Dr Sarla Vaishnav award, 1995 for the thesis-based research paper entitled “A clinico-biochemical probe into suspected neurometabolic disorders.”
- Dr Satyanand gold medal for being the best undergraduate in Psychiatry, 1992
- Sardari Lal Kalra gold medal for being the best undergraduate in Microbiology, 1990
- National Talent Search Examination scholarship holder 1986 to 1996
- Junior Science Talent Scholarship holder 1985

TEACHING AND MENTORING ACTIVITIES

EXTRAMURAL INVITED PRESENTATIONS

Have been organizing various national and international workshops, both virtual and physical, training programs, educational webinars, CMEs, symposiums on various occasions covering various aspects of neurodevelopmental disorders (including cerebral palsy, autism etc) and neurological conditions (including epilepsy, neurodegenerative disorders, neuroinflammation, CNS infections, neuromuscular disorders and many others). *Till now have delivered 502 talks on various aspects of Pediatric neurology, including 184 talks related to autism and neurodevelopmental disorders. I have also conducted as well as been a part of 416 workshops related to Pediatric neurology, of which more than 125 dealt with autism and other neurodevelopmental disorders.*

List of invited international, national, and local presentations, lectures, and seminars is attached as a link below.

[Workshops and Talks at conferences](#)

PATENTS

- **PATENTS: AI based, interaction with humanoid robots: Ashwini B, Jainendra Shukla and Sheffali Gulati, “A System and Method for Identifying the Automated Speech Behavior in Hindi-Speaking Children with ASD” 2024 (submitted): Indian patent Application Number 202411038008, Filed -May 14, 2024.**

Other copyrighted tools

1. We (AIIMS-IIT, Delhi) have developed **AI based web page, phonological training program, for remedial education in dyslexia**, (<https://readabled.com>). It is being upgraded with the help of a startup Hermit labs and has been **shortlisted for the India AI (MeitY’s Digital India) Startup Innovation Challenge in the category of Assistive Technology for learning disabilities**. It was also shortlisted for final pitching round in the DISHA Program at IITI Dhristhi CPS Foundation, IIT Indore.

2. We (AIIMS-IIT, Delhi) have developed an **immersive training platform focused on Joint Attention (JA) for children with autism, utilizing Virtual and Augmented Reality technologies.**
3. Developer of www.pedneuroaiims.org – central hub for patient/caregiver education
4. Mobile apps, video guides, and patient booklets in multiple Indian languages
5. **Website (www.pedneuroaiims.org)** has got educational material including audiovisuals for clinicians on various neurological/ neurodevelopmental disorders and parents.
6. **Pedneuroaiims Diagnostics: Mobile app for diagnosing Autism, epilepsy, ADHD, neuromotor impairments** (freely available on google and apple play store)
7. Developed and validated culture sensitive tools for screening and diagnosing neurodevelopmental disorders: INCLEN diagnostic tools/ revised as AIIMS-Modified INCLEN Diagnostic Tools for ASD, Epilepsy, ADHD and Neuromotor impairments. Autism tool has been notified for certification by GOI, Ministry of Social Justice and Empowerment (MOSJE), the National Program RBSK of Ministry of Health
8. Screening tool: Developed and validated AIIMS ASD Infant screening tool; ASQ for the age up to 24 months has been socio-culturally adapted, translated and validated

ANNOTATED BIBLIOGRAPHY

Publications

- *Have published 508 publications in International and National journal; Highest Impact Factor: 96.2, Maximum citation:756; Citations-8510; H-Index-41; i10-index-177; (in top 3% researchers globally).*

[The list of publications is attached as a linked file.](#)

- *Some important publications are as follows:*
 - Arora NK, Nair MKC, **Gulati S (Network coordinator and Site PI)**, Deshmukh V, Mohapatra A, Mishra D, Patel V, Pandey RM, et al Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India. PLoS Med. 2018 Jul 24;15(7): e1002615. doi: 10.1371/journal.pmed.1002615. PMID [30040859]. Impact Factor 10.5

- **Gulati S** (corresponding author); Kaushik JS, Saini L, Sondhi V, Madaan P, Arora NK, Pandey RM, Jauhari P, Manokaran RK, Sapra S Development and validation of DSM-5 based diagnostic tool for children with autism spectrum disorder. Plos one 2019;14(3); e0213242. Pubmed PMID [30865682]. Impact Factor 2.9
- Ashwini B, **Gulati S** (co-corresponding author), Shukla J Artificial Intelligence Driven Predictive Analysis of Acoustic and Linguistic Behaviours for ASD Identification. IEEE Transactions on Artificial Intelligence. 2024 Aug 8. Pubmed PMID[NA]. Impact Factor 5.94
- Jurek L, Baltazar M, **Gulati S**, Novakovic N, Núñez M, Oakley J, O'Hagan A Response (minimum clinically relevant change) in ASD symptoms after an intervention according to CARS-2: consensus from an expert elicitation procedure. European child & adolescent psychiatry. 2022 Aug;31(8):1-0. PMID [33825947]. Impact Factor 6.0
- Aathira R, **Gulati S** (corresponding author), Tripathi M, Shukla G, Chakrabarty B, Sapra S, Dang N, Gupta A, Kabra M, Pandey RM Prevalence of Sleep Abnormalities in Indian Children with Autism Spectrum Disorder: A Cross-Sectional Study. Pediatr Neurol. 2017 Sep; 74:62-67. Epub 2017 May 31. Pubmed PMID [28739359]. Impact Factor 3.2
- Dubey I, Bishain R, Dasgupta J, Bhavnani S, Belmonte MK, Gliga T, Mukherjee D, Lockwood Estrin G, Johnson MH, Chandran S, Patel V, **Gulati S**, Divan G, Chakrabarti B. Using mobile health technology to assess childhood autism in low-resource community settings in India: An innovation to address the detection gap. Autism. 2024 Mar;28(3):755-769. PMID [37458273]. Impact Factor 5.2
- Gupta J, **Gulati S**, Singh UP, Kumar A, Jauhari P, Chakrabarty B, Pandey RM, Bhatia R, Jain S, Srivastava A. Brain Stimulation and Constraint Induced Movement Therapy in Children with Unilateral Cerebral Palsy: A Randomized Controlled Trial. Neurorehabil Neural Repair. 2023 May;37(5):266-276.PMID [37170480]. Impact Factor 3.7
- McDonald CM, Wu S, Gulati S, Komaki H, Escobar RE, Kostera-Pruszczyk A, Vlodavets D, Chae JH, Jong YJ, Karachunski P, Statland J. Safety and efficacy of ataluren in nmDMD patients from study 041, a phase 3, randomized, double-blind, placebo-controlled trial (PL5.001). Neurology. 2023 Apr 25;100(17_supplement_2):2374.

Educational videos – Professionals/ parents education material

- Website(www.pedneuroaiims.org) has got educational material including audiovisuals for clinicians on various neurodevelopmental disorders and now has been made interactive.
- Pedneuroaiims Diagnostics: Free Mobile app for diagnosing Autism, epilepsy, ADHD, neuromotor impairments
- E-learning modules in Child Neurology (<https://pedneuroaiims.chalopadho.com>)
- QR code: epilepsy webinar, epilepsy booklet, financial advocacy rare disease webinars (DMD and SMA), national epilepsy guidelines and ketogenic diet therapies.
- **Weekly/ Fortnightly webinars: Have been organizing weekly/ fortnightly webinars in collaboration with AOCN, India every Wednesday 8 to 930 pm on various aspects of pediatric neurology across various special interest groups which I have created with global participation both as faculty and attendees. They are being recorded and posted on AOCN you tube channel for continuing viewership. Zoom attendance of these 71 webinars has been 13476 from across 74 countries. You tube channel has 1.27K subscribers and 36,063 views.**
- Developed various patient education materials (Hindi/ English/ DMD patient information material has been translated in many regional languages): on epilepsy and neurodevelopmental disorders; freely available on the AIIMS website link. <http://www.pedneuroaiims.org> to help professionals empower parents
- Neuro-pharmacopeia a drug dosage repository being revised to a mobile friendly form.
- As a member of the Board of advisors of ICNTN (International Child Neurology Teaching Network) of the ICNA (International Child Neurology Association) and Faculty lead for Neurodevelopmental disorders in childhood module
- Chairperson of subcommittees on neurodevelopmental disorders and chronic neurological disorders and training master trainers pan India
- For CARA under Ministry of WCD, helped revise their adoption guidelines, medical examination record especially focusing on categorization of special needs which was gazetted this year. Conducted training of Chief medical officers across India in 5 webinar sessions in April 2023 and could train 2100 CMOs.
- In collaboration with the **World Health Organisation**, we plan to create a feasible working model of early screening and identification of children with developmental difficulties and neurodevelopmental disorders. Our objectives are to screen and identify children with developmental difficulties, who present to HWCs, PHCs and CHCs for routine health check-up or for any other minor ailments, using developmental screening tools like AIIMS modified version of ASQ-3 (Ages & Stages Questionnaire – 3), NDST (Neuro-Developmental

Screening Tool), and diagnostic tools like DASII (Developmental Assessment Scales for Indian Infants), WPPSI-IV (Wechsler Pre-school and Primary Scale of Intelligence – IV) and VSMS (Vineland Social Maturity Scale); to develop a model of screening and identifying children early with developmental difficulties in HWC, PHC and CHC settings and then referring them to DIECs and DISHA centres for further diagnosis and intervention measures, to form a network between the rural setting and district-based centres. We have created a set of videos for parental education and knowledge to be used in this project.

- The digital penetration of computer-based technologies in the core areas of life such as healthcare, human care-giving systems, safety measures in transport enabling education to facilitate all the levels of users to interact with ICT systems to avail the services. The technological domain in this consortium covers Artificial Intelligence, Machine Learning, Deep Learning, Brain Computer Interface, Signal processing and Web development. We are working in collaboration with ***Centre for Advanced Computing (CDAC)*** who will be developing an AI driven Deep learning model with for multilingual and multimodal BMI interface for communication by brain signal. The BMI command interface would be available in two interactive forms – Standalone and Web-based interface. It would support an audio integrated standalone system to cater the basic requirement of dependent persons like – requirement of food, change in posture and daily routine needs. It would be enriched with a p300 odd-ball paradigm based BCI web browser with a speller of English and Devanagari Script support.

The objective of the proposed work is to design, develop and deploy a Computational framework as a Brain Machine Interface enabled Assistive communication system for persons with special needs. It covers the aspects of thematic areas right from core research to multidisciplinary neuro-cognitive computing for medical science for betterment of life, as mentioned below:

- ✓ The BMI command interface would be available in two forms – Standalone and Web-based interface. It would support an audio integrated standalone system to cater the basic requirement of dependent persons like – requirement of food, change in posture and daily routine needs.
- ✓ It would be enriched with a p300 odd-ball paradigm based BCI web browser with a speller of English and Devanagari Script support.
- ✓ A BMI interface-based Alert / warning generation system would be developed to cater the emergency cases of such types of patients.

- ✓ An assessment & validation procedure would be carried out in the form of training & workshop with the support of design paradigm prepared by domain experts considering targeted sample candidates on specific criteria.
- We have developed a state-of-the-art early childhood development and neurorehabilitation centre (Holding Hands in Magical Years; Early Childhood Development and Neuro Rehabilitation Centre) to cater to the needs of children with developmental delay/difficulties/ neurodevelopmental impairment, in collaboration with *The Hans Foundation*, who will be providing the financial support. Our objectives are to ensure early and appropriate diagnosis followed by provision of comprehensive therapeutic packages to children (0-18 years) with neurological and neurodevelopmental disorders including Autism, Cerebral Palsy, ADHD and SLD and others; to integrate screening and diagnostic tools for the diagnosis of neurodevelopmental disorders with artificial intelligence-based applications to provide intervention measures to children who are far off from the facility; and to upgrade the national training-cum-resource centre for the empowerment of professional and parents being run by Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders, Child Neurology Division, Department of Paediatrics, AIIMS, New Delhi
[Details of the educational videos with links are attached in the file linked.](#)

Books

Edited 3 book; Assisted in editing book: 2; Section editor 2; Chapters in book: 143

[Details of the books and chapters in books are attached in the file linked.](#)

Abstracts, preliminary communications, clinical papers

She has presented her work as presenting author or and have been co-author of various such presentations (oral platform or poster or E poster) in both international and national conferences. Till now - abstracts (including Oral presentations/ Posters/ E posters) accepted for / presented in international conferences – 362 and national conferences 267: focusing on various neurodevelopmental, neurological and neuromuscular disorders.

[Details of the abstracts are attached in the file linked.](#)

Research Publications in Non-Scientific or Clinical Journals

Educational books/ learning resource material: >70

[Details of other publications are attached in the file linked.](#)