

BIOS

IISAC EXPERTS FOR UN-SDGs



Dr. Abraham Joseph

Chairman, IISAC
(Former Senior UN Diplomat)

Dr. Abraham Joseph is an international expert on International Economic Development Policy and Practice with over 30 years of experience as a United Nations Advisor and also as a Government Advisor.

Upon completion of his tenure with the UN, Dr. Joseph represented Public Service Institute, University of Oklahoma (PSI/OU) in the UN meetings and contributed to “2030 Development Agenda on Sustainable Development Goals (2015 – 2030)”. He also has represented PSI/OU in the USAID meetings held in New York and Washington D.C. In July 2016, Dr. Joseph represented the PSI/OU in the “White House Summit on Global Development” in Washington D.C. hosted by President Barack Obama; and also in the President’s Global Development Council Meetings.

As Senior Socio-Economic Adviser of the United Nations (UN), he actively contributed to the implementation of the Millennium Development Goals (2000 -2015) and also contributed inputs to the formulation of the United Nations Agenda 2030 on Sustainable Development Goals which was later adopted by the 193 countries in September 2015.

A highlight of Dr. Joseph’s career has been an extended relationship with Timor-Leste (East Timor) as Senior Advisor to the Minister of Foreign Affairs of Timor-Leste in 2011. Prior to this assignment, he was Chief/ Senior Socio-Economic Affairs Advisor of the United Nations Integrated Mission in Timor-Leste (UNMIT). He has also served in various capacities at the United Nations Headquarters, notably Office for Economic and Social Council Support and Coordination, Department of Economic and Social Affairs (OESC/DESA); Office of the High Representative for the Least Developed Countries, Landlocked Developing Countries, Small Island Developing States (OHRLLS); Secretariat of the Chief Executives Board for United Nations System Coordination (CEB);

Office of the Special Coordinator for Africa (OSCAL); UN/DIESA's Division for Policy Analysis and Research; and UN Center for Transnational Corporation (UNCTC). Also Dr. Joseph has guided interns at the UN for over 20 years from various Universities.

Before his tenure at the United Nations, Dr. Joseph worked in Government of India's Planning Commission under leadership of Dr. Manmohan Singh, (Deputy Chairman of the Planning Commission and later former Prime Minister of India) and at India's Ministry of Finance's Department of Economic Affairs in New Delhi.

Dr. Joseph holds a Doctor of Philosophy degree in Economics from India. He conducted his advance research in Tokyo under the Japan Foundation Fellowship Program with the eminent economist, late Dr. Saburo Okita, (former Chairman of the Japan Economic Research Center, who later became Foreign Minister of Japan). He attended several special training programs/ courses which included organized by Folke Bernadotte Academy, Sweden on "Economic Actors in Conflict Prevention and Peace Building"; the US Naval Postgraduate School, Monterey, California on "Promoting Livelihoods in Conflict -Affected Environments" and the United States Agency for International Development (USAID) Inter-Regional Project Program on "Trade Protectionism".

Dr. Joseph recently co-authored a book with economist, Takako Hamaguchi titled "Timor-Leste: The History and Development of Asia's Newest Nation'. His first book was on "India's Trade with Japan: Challenges and Opportunities". He has also prepared books on African development issues published by the United Nations and published articles in journals.

Dr. Joseph is a member of the American Economic Association (AEA), USA; Academic Council of the United Nations System (ACUNS), USA and the Asia and the Pacific Policy Society (APPS), Australia



Dr. Sunny Luke

Vice Chairman, IISAC
(Distinguished Medical Scientist
and Graduate Professor, NJ, USA)

Dr. Sunny Luke, the founder chairman of IISAC, having thirty years of experience in Medical Research and teaching in various Medical Institutions and Universities in USA is now serving as the Director of International Education and Research. As a research professor, he taught graduate level courses in Medical Genetics, Human Genome, Cytogenomics, Cancer Biology, Cell Pathology, Molecular medicine, Human Evolution, Reproductive Biotechnology, Tissue Engineering, Stem Cell technology, Clinical Molecular Biology & Immunology.

He has published more than 70 scientific papers, several text book chapters in reference books. His scientific articles were featured in prestigious international journals like, Nature Genetics, Journal of Cell Science, American Journal of Human Genetics, Lancet, Genomics, Human Evolution and American Journal of Medical Genetics. Dr. Luke received his graduate education, research and medical training from Adelphi University, Fordham University, University of Toledo, Department Pediatrics Greater Baltimore Medical center and Division of Genetics Long Island College Hospital, New York.

He conducted several continuous education lectures for Pathology & Pediatrics residents, Medical professionals, Biotechnology professors and Molecular Pathology lab Scientists. He introduced Professional master's degree programs in Medical Genetics, Cancer Biology, Stem cell Technology and Molecular pathology by connecting Adelphi University with regional research centers and biotechnology industries in and around New York city. He is one of the early scientists who developed precision medicine in Oncology by targeting gene behavior in breast cancer progression.

Being one of the founders of IISAC, he has been guiding American study abroad students and professors through South India for over 25 years. He has traveled extensively both in USA and India and knows what type of cultural experiences the US students are looking for while in India. He encourages American students to develop cross-cultural skills through educational tours, blog writing, reflection papers, cultural exchange and short documentary films. With an extensive knowledge of Kerala's society and culture, Dr. Luke is one of the editors of "Introduction to Kerala Studies", a first of its kind inter-disciplinary book on Kerala. Currently he is serving as scientific seminar speaker and advisor in Genetics, Molecular Medicine and Biotechnology to various universities in India and USA.



Engr. Alex V. Koshy
Executive Director, IISAC

Alex V. Koshy is one of the founders of IISAC and its Executive Director. He oversees the administrative activities of IISAC in relation to student's recruitment, US and Indian university collaborations, and student visa issues. He also serves as the PRO of IISAC to represent both the print and visual media in USA and India. He holds an Engineering degree [B.E.] from the National Institute of Engineering, Warangal and a Masters degree in Business Management [MBA] from the Cochin University of Science & Technology [CUSAT], Cochin, India.

As a professional engineer, he worked as the Engineering Manager of Hindustan Insecticides Ltd and Maintenance Superintendent of Indian Rare Earths Ltd, Alwaye

before migrating to USA in 1990 He worked for the City of Newark for over 25 years at different capacities such as Principal Planner Environmental and Fleet Manager of Water & Sewer Utilities Department, City of Newark, New Jersey, USA. He was commissioned by the New Jersey State Governor as a Commissioner into the Board of the NJ State Dr. MLK Jr. Commission, to promote the vision and mission of Dr. Martin Luther King Jr.

His professional expertise and community leadership have stood in good stead for him as the Project Coordinator for the successful implementation of the IISAC's three yearlong project of publishing the Book on Kerala, titled "An Introduction to Kerala Studies." Former Global President & Founder General Secretary of the World Malayalee Council-a Diaspora organization of people of Kerala, India. Presently he is the Chairman of Pravasi Conclave Trust [PCT]



Mr. Abraham Thomas
Director of Administration, IISAC

Mr. Abraham Thomas is the Director of Administration of IISAC and is responsible for the administrative and financial matters. Abraham is an accomplished professional with a diverse educational and professional background. He earned a Bachelor of Science in Mathematics from Kerala University in India, a LLB from M. S. University, Baroda, India, and MBA from Monmouth University, New Jersey, USA.

Abraham began his career with the Oil and Natural Gas Commission a Govt. of India undertaking,, where he worked on Drilling and Pipe Lines Projects Contracts & Logistics. He then moved to the United States and worked for Interdata/Perkin Elmer, NJ as an Electronic Technician to begin with, and followed to become the Systems Planner and the Financial Administrator of its Special Systems Division.

Abraham's career in the insurance industry began at Continental Insurance Co. in New York, where he worked in various roles, including Data Center Neptune, NJ for business segment's IT coordination and support, Assistant Vice President of Financial Risk Division in New York, and Director of Operations & Chief Information Officer at Continental Credit Insurance Division in New Jersey. After the Continental Insurance merger with CNA Insurance Co., Abraham became a corporate Vice President and the Chief Information Officer & Chief Financial Officer for the CNA Credit Insurance Division in New Jersey.

Currently, Abraham has Tax Practice, Residential Mortgage in association with Mortgage World Bankers, Commercial Mortgage in association with private lenders, and he is a Real Estate Agent, a Notary Public and a Certified Signing Agent. He consistently spares his time and talent to serve non-profit/charity organizations.



Dr. Rajeev Thachil

Director, Medical Education & Clerkship

Dr. Rajeeve T Thachil MD is a consultant pulmonary, critical care and sleep physician and a member of the faculty at the St. Luke's University Hospital network, Bethlehem, Pennsylvania. He is board certified in internal medicine, pulmonary medicine, critical care medicine, sleep medicine and hospice and palliative care medicine. He has been actively involved in patient care as well as medical education and clinical research.

Dr. Thachil obtained his medical degree from St Johns Medical College, Bangalore, one of the prestigious medical institutions in India. He is also a postgraduate (MD) in internal medicine from the same institution. He has membership of the Royal College of the physicians of the United Kingdom (MRCP). In the United States, after his internal medicine residency with the Medical College of Pennsylvania at Mercy Catholic Medical Center, Philadelphia, Dr. Thachil did fellowship in pulmonary medicine with the State University of New York, at the Coney Island Hospital, New York. He did his critical care training at the Mayo Clinic, Rochester, Minnesota. He is a fellow of the American College of Chest Physicians. He was Associate Professor and Chief of division of pulmonary and critical care at the West Virginia University in Charleston, West Virginia. He was also the Director of pulmonary, critical care and sleep medicine at the Easton Hospital affiliated with Drexel University Philadelphia. He also served as the Director of intensive care unit at the Easton Hospital. He was also a Clinical Associate Professor of Medicine with the Drexel University School of Medicine of Philadelphia

Dr. Thachil has been involved in teaching and training medical students, residents and fellows over the decades. He has been awarded the "Teacher of the Year award" on multiple occasions. He has been involved in clinical research and has presented papers at various professional conferences. He has published in various peer reviewed journals. He has been invited to give lectures and grand rounds on various pulmonary medicine topics.



Dr. Ngan F. Huang

(Associate Professor of
Cardiothoracic Surgery,
Stanford University)

Dr. Huang known as Tina in her friends circle is one of the founders of IISAC and served as its chairperson for six years. From the very beginning of IISAC, she was responsible for conducting several career seminars in local high schools and colleges, publishing interdisciplinary journal called Alpha Vision and bringing grants from several sources to support IISAC's youth empowerment activities. She provided several research internships in her laboratory for those students who have potential to become medical scientists in the future.

Ngan F. Huang is an Associate Professor in the Department of Cardiothoracic Surgery at Stanford University and Principal Investigator at the Veterans Affairs Palo Alto Health Care System. Dr. Huang completed her BS in Chemical Engineering from the Massachusetts Institute of Technology, followed by a PhD in bioengineering from the University of California Berkeley & University of California San Francisco Joint Program in Bioengineering. Prior to joining the faculty, she was a postdoctoral scholar in the Division of Cardiovascular Medicine at Stanford University. Her laboratory investigates the interactions between stem cells and extracellular matrix microenvironment for engineering cardiovascular tissues to treat cardiovascular and musculoskeletal diseases. Dr. Huang has authored over 90 publications and patents, including reports in Nat Med, PNAS, and Nano Lett. She has received numerous honors, including a NIH K99/R00 Career Development Award, Fellow of the American Heart Association, a Young Investigator award from the Society for Vascular Medicine, a Young Investigator Award from the Tissue Engineering and Regenerative Medicine International Society-Americas, and a Rising Star award at the Cell & Molecular Bioengineering conference. Her research is funded by the NIH, Department of Defense, California Institute of Regenerative Medicine, American Heart Association, and Department of Veteran Affairs.



Mr. Sanoop Luke

Sanoop is an independent advisor and executive coach based in London. He has nearly two decades of business experience - strategy, content development, monetization, M&A, and launching new digital products. He's previously worked at Google/YouTube (Singapore), Warner Bros/Turner (Hong Kong, Atlanta), and NBC Universal (New York, LA). He has a degree in Economics from Emory University.



BIODIVERSITY & ENVIRONMENTAL PROTECTION GROUP



Dr. P.P. Mathur

(Vice Chancellor, Educationist & Scientist)

Prof. P.P. Mathur, Vice-Chancellor, Birla Global University, Bhubaneswar, was Professor & Head, Department of Biochemistry & Molecular Biology and Dean, School of Life Sciences and Founder Head, Center of Excellence in Bioinformatics at Pondicherry University, Pondicherry. He has also served as the Vice-Chancellor of KIIT University, Bhubaneswar for five years. He is an elected Fellow of the National Academy of Medical Sciences (India), National Academy of Sciences, India (NASI) and the Indian Science Congress Association (ISCA). He served as General Secretary (Scientific Activities) of the ISCA (2016-19). He is Vice-President, Asian Association of Andrology and served on various committees like Member of Court of the Central University of Karnataka, Member of Court, Executive Council and Academic Council of Pondicherry University and UGC nominee on the Governing Body of St. Joseph College, Tiruchirappalli. He is Scientific Advisory Board Member of Rident Biosciences Pvt. Ltd. and a member of Advisory Committee of Mount Carmel College, Bangalore. He serves on the Member of Governing Body of AIIMS, Gorakhpur.

Prof. Mathur received his education from Banaras Hindu University. He has received his post-doctoral training in the Population Council, The Rockefeller University, New York, USA and was visiting scientist in Universities in USA and Germany. He has guided several Ph.D. M. Phil and M.Sc. dissertations. He has more than 46 years of teaching, research and administrative experience. He has published around 200 scientific papers/ reviews/ book chapters and participated in more than 100 national and international scientific conferences. He has delivered invited talks and chaired various sessions in national and international conferences. He has conducted more than forty scientific Conferences/ Seminars/ Workshops. His publications have h index of 38 (Scopus) and 46 (Google Scholar). He is on the Editorial Boards of many national and international journals including Frontiers in Endocrinology, Journal

of Biochemistry and Biophysics and Everyman's Science. He is Reviewer for more than 150 journals. He is recipient of many prestigious awards like Asutosh Mookerjee Memorial Award (ISCA), Young Scientist's Award (ISCA), Lifetime Achievement Award (ISSRF), Life Time Achievement Award (Society of Life Sciences), Rockefeller Foundation Special Postdoctoral Fellowship Award, Rockefeller Foundation Biotechnology Career Award, INSA-German Academy (DFG) Exchange Programme, Dr. P. N. Shah Memorial US Vitamin (India) Oration Award, ICMR International Fellowship Award, Subhash Mukherjee Memorial Infar Oration Award, Dr. K.K. Iya Memorial Oration (NDRI), Vidyasagar Award (Indian Institute of Oriental Heritage, Kolkata) and Re-think India Visionary Eduleader of India Award.

Prof. Mathur has been Visiting Professor/ Scientist of The Population Council, Rockefeller University, New York, Cleveland Clinic, USA, Westfalische-Wilhelms Universitat, Muenster, Germany and Hamad Medical Centre, Qatar and has travelled widely within India and abroad. He has been Chairman/ Member/ Member-coordinator of NAAC peer teams to around 70 Institutions and has been Chairman/ Member of many national / international academic and scientific committees. He was member of Executive Committee of ISCA (2008-10) and Founder Convener of Pondicherry ISCA Chapter. He was President, Section of Animal, Veterinary and Fishery Sciences, ISCA (2013-14). He served on National Task Force on Bioinformatics and Infrastructure Facilities of the (DBT and Department of Information Technology (DIT), Govt. of India. He is on the National Task Force on Fertility Regulation & Expanding Contraceptive Choices of ICMR. He was the Vice-Chairman of Scientific Committee of Third Asia-Pacific Forum on Andrology, China. He has made many innovations in teaching and research including launching of Study in India Programme at Pondicherry University. He received huge funding support from various national and international funding agencies. He developed a Bioinformatics Centre at Pondicherry University, which was recognized as the Centre of Excellence by the DIT (Govt. of India).





Dr. Punnan Kurian

(Professor, Scientist – Biodiversity, Tropical diseases & Environmental protection)

Dr. Punnen Kurian Venkadathu is a leading environmentalist and educator from Kerala, India. He currently serves as the Principal of St. Mary's College in Manarcaud, Kottayam, which is affiliated to Mahatma Gandhi University. Dr. Kurian is a well-respected research guide in Environmental and Atmospheric Sciences at Mahatma Gandhi University's Tropical Institute of Ecological Sciences (TIES). He is also the Secretary and Honorary Director of TIES, a leading environmental organization affiliated with the university.

Dr. Kurian has been instrumental in implementing several significant environmental projects in Kerala, like Naalumanikkaattu (Evening Breeze), India's first Village Roadside Ecotourism project; river Rejuvenation Projects etc. Dr. Kurian's contributions to the field of environmental science have been widely recognized. He has received numerous awards and honors, including the Vanamithra Award from the Department of Forests and Wildlife, Government of Kerala; Berchmans Award for the Best College Teacher in Kerala, and National water award of Ministry of Jalashakthi, Govt. of India. Dr. Kurian has extensive research experience, with twenty years of post-doctoral experience and conducted 90+ research projects supported by international and national agencies. He has published extensively in various academic, research and popular publications. He has also directed five documentary films. Dr. Kurian regularly serves as a visiting faculty/resource person for several academic and research institutions, in India and abroad. Dr. Venkadathu also serves on various expert committees and technical bodies of State and Central Government.



Dr. Saji Baby

(Professor, Scientist – Sustainable development,
Climate change and Coastal zone management)

SAJI BABY is currently working as a Professor and Director, Department of Sustainable Development at “MIT World Peace University”, Pune, and India. He has PhD in Technology from Birla Institute of Technology, India and is a Chartered Environmental Engineer. He has experience of 29 years, in R & D; Management; Consultancy; Education; and Training in the field of environmental science and engineering, sustainable development and climate change. He worked in the Middle East Countries including UAE and Kuwait since 2000 till 2021.

He has contributed towards Kuwait’s Sustainable Development by handling about 138 projects out of which he was a Project Leader or Principal Investigator for about 125 projects with an environmental feasibility and sustainability study value of 4,090,304 US Dollars. He is an impactful International Speaker and has given 60 international lectures in around 22 countries on Sustainability, Environmental, Climate Change, Waste Management (Waste-to-Energy) and Coastal Zone Management topics.

Among them, the important ones were the sustainable development approach for Kuwait Master Plan (2040), the Mubarak Al-Kabeer Port, Bubiyan Island, METRO Rapid Transit System and National Railway, Sabah Al- Salem University City, Northern Refinery Project, Kuwait Oil Company Clean Fuels Project (CFP), and KOC Ahmadi Township. He was also involved in the projects of Egypt namely, Damietta Port Expansion and Port of Sokhna Marina Project, Gulf of Suez.

He is an author for the book – “Wake-up Call for This Century” from Partridge Publisher, and the book - Coastal Evolution and Strategies for ‘Coasts in Crisis’ from Victorious Publisher. He has published 2 Chapters in two books, 29 scientific articles in journal, and 35 Conference Abstracts and Papers.

He has edited more than 120 international conference proceedings Apart he is an Editor-in-Chief and reviewer to Peer-Reviewed International Journals. He was interviewed by Al-Watan Daily, on prospects of nuclear energy in Kuwait based on signing a deal for developing nuclear energy with collaboration with France.

He has also conducted workshops for professionals, researchers and students in several countries of South Asia. He was one of the instructors for 100



Dr. Shaji E

(Professor, Scientist – Geosciences, Water resources management, Ground water and Land slide)

Dr. SHAJI E is currently working as a Professor and Head in the DEPT. OF GEOLOGY, UNIVERSITY OF KERALA, INDIA. He was awarded his PhD from the University of Kerala in Metamorphic Petrology and obtained his masters with first rank from the same University. Prior to the University service he worked as a professional hydro geologist (Scientist D) in Central Ground Water Board, Ministry of Water Resources, Govt. of India. He has 25 years of professional/ industry/teaching experience in Geosciences with focus on groundwater, water resource management, and medical geology. Five scholars took PhD with him, and guided five M. Phil. and several M.Sc. theses. Currently 6 research scholars work with him for PhD. He has 52 publications to his credit, out of which 40 are in international journals. He bagged Young Scientist Award from Kerala State Council for Science Technology and Environment, Govt. of Kerala and received Highest Grant Award 2019-20 under the 'Faculty of Science / Applied Sciences & Technology' by the University of Kerala. He is the recipient of outstanding reviewer award in Geology by Elsevier. He has edited one book and five volumes with ISBN number. He has visited UK, Japan, UAE, China, Madagascar and Sri Lanka. Research interests are Petrology, Tectonics, Exploration Geology and Hydrogeology. He also serves as associated editor of Geoscience Frontiers, a high ranking journal in geology, run by Elsevier.

Legislators who arrived in Kuwait through the Federal Republic of Nigeria Embassy for International Training Workshop on "Legislative Efforts in Funding Desertification Control Projects in Nigeria."

He was honored with "Bharat Jyoti Award 2013" recognized for "Meritorious Services, Outstanding performances and Remarkable Role", from "India International Friendship Society", New Delhi, India, and "Global Awards 2012" for "Best Scientific Researcher" from "ASDF (Association of Scientists, Developers and Faculties)", Pondicherry, India.



Dr. Shivadas Menon
(Agriculture Specialist)

Chairman & Managing Director of Sterling Group of Companies, Agriculture Engineer by profession, Employed with two British Companies before forming Sterling Group in 1987, Responsible for a large Cashew plantation in Australia, President of India (Dr. Abdul Kalam) award winner for Agriculture research, Hungarian Government award for introducing peat substitute, Responsible for introducing Cocopeat in India and Green House farming in Kerala, Former Agriculture Sub-Committee Chairman, Planning Board, Kerala, Former Chairman – CII, Kerala, Former President – TiE, Kerala.



NEURODEVELOPMENTAL DISABILITIES AND REHABILITATION GROUP



Dr. George C. Winny

(Professor, Child, Adolescent and Adult Psychiatrist)

Dr. George C. Winny is a Regional Medical Director in Psychiatry of the East Region of BayCare Health System in Florida and the Head of the Department of Psychiatry at Winter Haven Hospital in Florida, USA. He is an American Board-certified Child, Adolescent, and Adult Psychiatrist who oversees many other psychiatrists with BayCare as their Regional Medical Director. He also serves as the Medical Director of Behavioral Health, Clinical Assistant Professor of Family Medicine at Florida State University, and Site Director of the Residency Program at Winter Haven Hospital. His department sees more than 200 patients a day with mental health issues.

Dr. Winny has 35 years of experience in Child and Adolescent psychiatry. He completed his fellowship in Child and Adolescent Psychiatry at the prestigious New York University School of Medicine. Prior to coming to the USA, he received his MBBS degree from Government Medical College, Kottayam, Kerala, and an MD degree in psychiatry from King George's Medical College (A WHO Center for Collaborative Studies in Biological Psychiatry in Southeast Asia), Lucknow, India.

Dr. Winny's area of expertise is in evaluating and treating, including medical management and various therapies for young patients suffering from neurodevelopmental disabilities, Autism Spectrum Disorders, ADHD, PTSD, Psychiatric social phobia, mood disorders, suicidal tendencies, OCD, depression, and anxiety. Child and Adolescent patients under his care are regularly followed up for medication management, and given counseling whenever needed. If necessary, he recommends his patients for interventional therapy.

Prior to assuming his medical responsibilities at Winter Haven Hospital in Florida, he was a Clinical Faculty in the Department of Psychiatry at Loyola University Stritch School of Medicine in Chicago, IL, and was the Director of Child and Adolescent Psychiatry at Dreyer Medical Clinic in Aurora, IL. He is an excellent speaker and conducts seminars, lectures, and continuing education classes on a regular basis for the general public, medical students, residents, and psychiatrists.



Dr. Sunny Luke

(Professor and Medical Geneticist)

Dr. Sunny Luke is a highly experienced professional with over 20 years of research, diagnostic, and counseling experience in Medical Genetics and Molecular Pathology. He has worked with prestigious medical institutions in the USA and has played a key role in reducing the burden of inherited diseases, birth defects, and neuro-developmental disabilities. Dr. Luke has also contributed to the introduction of new genomic technologies that have improved medical practice.

One of his early introductions was the cutting-edge technology of fluorescence in situ hybridization (FISH) for the rapid diagnosis of couples at risk of having children with genetics and neurodevelopmental disorders, diagnosis of newborns with various birth defects and dysmorphology, and the correct identification of patients suspected with genetic and sexual abnormalities. Dr. Luke is an expert in pediatric, adult, and obstetrical genetics, and he has counseled patients with or at risk for inherited disease. He has also discussed the role of genetic testing and prenatal screening for gene, chromosome, and genome abnormalities.

Dr. Luke's research in the area of cytogenomics, along with similar researchers in medical genetics, has laid the foundation for the modern "genetic medicine" – a new subspecialty in modern family medicine. During his scientific career in the USA as a Medical Scientist, Dr. Luke has published over 60 research papers in his field of specialization, including Medical Genetics, Oncology, Tissue Engineering, and Human Evolution. His peer-reviewed publications have appeared in famous scientific journals such as Nature Genetics, Lancet, Journal of Cell Science, Genome, American Journal of Medical Genetics, American Journal of Human Genetics, Human Evolution, American Journal of Physical Anthropology, and a host of other journals. His publications are available at http://www.iisac.org/dr_sl.pdf.

Dr. Luke has received several research grants from prestigious agencies like NIH, NCI, and Maimonides Research Foundation to study the role of genes and chromosomes in birth defects, cancer, sexual abnormalities, and human evolution. With the support of venture capitalists and private research foundations, his research team at Ortec International received huge funds for

the development of natural skin, cartilage, and fat tissue from epidermal stem cells and Mesenchymal stem cells to develop human spare parts in the lab for transplantation.

Dr. Luke's research findings on human evolution were exhibited at the American Museum of Natural History in the Hall of Human Evolution. He has also received prominent awards from scientific organizations and institutions such as New York Academy of Sciences, Sigma Xi - The North American Research Society, Maimonides Research Foundation, Long Island College Hospital, Adelphi University, etc. He was voted as one of the best professors at Adelphi University by his students.

Some of Dr. Luke's notable research contributions include finding the role of her2neu gene amplification in breast cancer progression, chromosome and DNA aneuploidy in the clonal evolution of breast and ovarian cancer, fusion of bcr/abl gene in chronic myeloid leukemia and its role in individualized therapy, influence of "Y" chromosome genes in intersex conditions, discovery of two fathers responsible for the birth of dizygotic twins, evolutionary fusion of two small chromosomes of higher apes into human chromosome 2, proved by his technique of fluorescence in-situ hybridization to reveal the chromosome basis of human evolution, comparison of human genome with that of higher apes using genomic in-situ hybridization showing 99% of human DNA sequence similarity, molecular mechanism of human chromosome 9 inversion in human population, genetic abnormalities in sperm cells and Y-chromosome gene alterations as a cause of male infertility, use of genetic abnormalities in diagnosing molar pregnancy subtypes, and genetic basis of spontaneous abortions.

He pursued his graduate studies in Human Genetics, Cancer Biology and Medical Biotechnology at Adelphi University in New York, University of Toledo in Ohio, and underwent specialist training in diagnostic genetics at Greater Baltimore Medical center (GBMC). His career began as a Research Scientist in Medical Genetics at Long Island College hospital (1988 – 1993) in New York. Subsequently, he held positions as Assistant Director of Medical Genetics and Associate Director of Molecular Pathology at Maimonides Medical Center in New York (1993 – 1998). He later turned his focus towards stem cell therapeutics and Tissue Engineering research and became a "Distinguished Medical Scientist" at Ortec International at Columbia University of School of Medicine. During his tenure, he was actively involved in skin and cartilage engineering. He also served as an Adjunct Graduate Professor (1994 – 2008) in the Department of Biology at Adelphi University, teaching various courses in Medical Biotechnology including Medical Genetics, Molecular Oncology, Tissue Engineering, and Cell Pathobiology. After retiring from his medical profession, he now serves as a consultant and seminar speaker for various universities in India and the USA.



Dr. Abraham Kuruvilla

(Professor, Neurologist, Scientist – Neurophysiology)

Diplomate-American Board (Neurology.)

Diplomate-American Board(Stroke, Neuromuscular Disease and CI/NPh)

Professor of Neurology

Retired from Sree Chitra Tirunal Institute for Medical Sciences and Technology
Trivandrum, India

Currently Professor & Head

Krishna Institute of Medical Sciences (KIMS)
(Deemed to be University)
Maharashtra, India

American Board certified Academic Neurologist, Formerly Professor, at SCTIMST, Trivandrum, India with subspecialty certification in Clinical Neurophysiology, Neuromuscular Medicine and Vascular Neurology. 32 years of experience after completion of Neurology residency at Northwestern University, Chicago, Illinois, USA (1988). Uninterrupted teaching experience in Neurology since completion of fellowship in Clinical Neurophysiology (EMG/EEG) in 1991. In spite of having full license to practice in USA, decided to settle down in India and serve the State and the Nation in stark contrast to the usual "Brain Drain". Has the distinction of being the first and at present the only Neurologist in India certified in Stroke by the American Board. Held the post of Professor of Neurology at SCTIMST since 1994 and Retired on 30 November 2018. Also has been the President of the Trivandrum NeuroClub for the year 2010-2011. Has been the President of the Neurological Society of India (Kerala Chapter) – NSIKC for the year 2017-2018. Recipient of the Fellowship of the Royal College of Physicians of Edinburgh (FRCP Edin), UK in June 2015. Has worked as a WHO International Consultant in Stroke Neurology for Western Pacific Region and set up a state of the art National Stroke Center in the capital city of Ulaanbaatar, Mongolia.



Mr. K.B. Kumar

(Education and Neurodiversity Consultant)

BIG-PICTURE EDUCATIONAL LEADER & DEVELOPMENTAL EDUCATIONIST

*Envisioning & Educational Administration or Leadership *Environmental Ethics & Eco-reconstructive Education *Differentiated & Integrative

Learning Management *Curriculum Reform, training & Management *Endowment & Learner Diversity Management

Mr. KB Kumar, the former National Director of FIITJEE India and the Network Director Cum Senior Vice President of the renowned Shri Ram Group (of Educational Institutions), is a veteran educationist and educational administrator. The insightful leader has extensive experience in the tertiary and K-12 segments and is ASCD, Harvard and IIM certified. A faculty member of IGNOU and a government college at the start of his career, he also served Rishi Valley School, acclaimed to be one of the world's best. Early in his forties, Mr. Kumar rose to be the highest graded Principal of the Maldivian Educational Service and an officer of top rank in the Ministry. He brought up tens of new-age schools and in-house-teacher training academies in different parts of the Indian sub-continent. Besides, he developed System Concept and standard plans for over 45 New Generation International Academies, 7 Centres of Excellence, a Central Directorate and Centres of Curriculum Reform, Production and Training. The quiet thought-leader has a range of unique experiences in conceptualizing and implementing new-generation educator-academies and international-schools. His dictum: "If the head doesn't descend in humility to wed the heart, our education will degenerate into an existential disaster" is highly illustrative.

Mr. Kumar was a well-received child-orator and a paid talk of KB was broadcast by All India Radio when he was hardly into Gr 5. He has appeared on Indian and foreign television and other public media a number of times, though he always consciously labored to keep a safe distance from anything of publicity value. An expert all rounder having rich exposure to Curriculum Development, text-book creation, school and school-chain envisioning, educational innovation, teacher & leader training, consulting and aesthetic arts, Mr. Kumar quietly crusaded for an ethics-driven, integrative Big-picture Approach in education. Scores of curriculum books, school improvement products and educator training resources came to be created under his mentorship. Among his innovations are: the 'Goalalignoscope', 'Papa Mama Me', "I-You-We-Lead", the

Nine-streamed Curriculum and 'Skill-ladder Compensation Structure'. He is a process and procedure expert equipped to guide ERP, LMS and School Management Solutions.

Mr. Kumar has a range of training, educational and professional qualifications to complement his work in education. Among them are teaching, educational leadership, management, PR, advertising, differentiated instruction, psychology, TEFL and computing. He is an alumnus of UC College, Tata Institute of Social Sciences (TISS), IIM Ahmedabad, SCMS, UTKAL and Harvard University. Working with Harvard University under WIDE, Mr. Kumar custom-crafted instructional strategies for Engineering Colleges in Kerala and diverse segments of schools in India. That apart, he did a PPE at Harvard University (School of Education) in Leading Educational Systems at the National Level. Several top-graded educational professionals across Asia came to be mentored by him. The insightful educator has won multiple national awards and recognitions for the institutions he headed abroad.

Mr. Kumar has been a leader of ASCD (USA) and he co-founded the INDIA ASCD. He was also a long-standing member of the Harvard University Principal Centre. He is on the Board of Governors or Advisors to multiple organizations and has also provided advisory or consulting services all along. His new book, "Tsunami and the Feral Girl" which is awaiting publication, captures some of his unparalleled experiences in life and education. He is into music and aesthetic arts.



Dr. Achuthshanker

(Professor, Scientist-Bioinformatics, Artificial Intelligence and Machine Learning)

Prof. Achuthsankar is a Professor of Computer Science in University of Kerala, who heads the Dept of Bioinformatics. He is a teacher, researcher, science communicator and cultural and heritage activist. He had his education from College of Engineering, Trivandrum, IIT, Bombay, University of Cambridge and University of Kerala. He holds two PhDs, one in Engineering and one in Music. As a research guide, he has guided nearly 30 PhDs. His areas of specialization are image processing, bio-sequence analysis, deep learning (convolution neural networks, LSTMs), cultural computing and Python programming.

He is the recipient of the first National teacher award by the Indian National Science Academy, New Delhi. He is also a recipient of Vaikkom Maulavi Foundation's award for Social Service. He has authored technical and creative works, including a novel "Tharipp" (The Tingling Sensation), which is a historic science fiction. His work on Swathi Thirunal is widely acclaimed. His book on Swathi Thirunal - "A Composer born to a mother" - came out last year. His latest books are on Malayalam Meters (Chandass), Campus Politics, Python Programming and Deep Learning.



Dr. Praveen G. Pai

(Geriatrics physician and senior care specialist)

Dr. Praveen G. Pai is a Geriatrician, Gerontologist and a Public Health Specialist. After completing his MBBS from KMC, Mangalore, he went on to do his Masters in Gerontology from University of Southampton, UK with Common Wealth Scholarship. He also holds a Diploma in Geriatrics from the prestigious United Nations International Institute on Ageing Malta with Scholarship. He holds a Masters in Public Health from Sree Chitra, Thiruvananthapuram and in Palliative care from Institute of Palliative care, Calicut.

To add to all of these he also holds a certification in Medical Law and Bioethics from Prof. NR Madhava Menon Center, School of Legal Studies, CUSAT.

He has served in several renowned hospitals like Sree Sudheendra Medical Mission EKM, Amrita Institute of Medical Sciences , Regional Cancer Center, TVM, and VPS Lakeshore Hospital, EKM to name a few. As a person who wanted to do a lot more than restrict himself to clinical roles alone, he decided to retire from clinical work in 2018. Dr. Praveen now works closely with the Government and several NGOs in sectors of public health, at the grass rootlevel and plays a valuable role in research and development of plans related to Public Health initiatives by the Govt. of Kerala. His main areas of interest are in Geriatrics, dementia, and rehabilitation of children with developmental disabilities. He has also initiated projects for the social improvements of transgender persons. Dr. Praveen also holds several positions of importance and has taken up responsibilities that aid in his crusade of social responsibilities and positive changes that he aims to bring in.

- State consultant in School Health in National Health Mission, Kerala State
- State Technical Expert in Kerala State AIDS Control Society
- Trustee and Treasurer, Pain and Palliative Care Trust, Kollam
- Trustee and Chairman, MAGICS NGO, Ernakulam
- State Convener, IMA Committee for Care of Elders
- Vice President, Geriatric Society of India, Kerala State.
- Gen. Secretary, Pravasi Conclave Trust.
- Currently also as technical expert to Sayamprabha Homes in Kerala under Social Justice Department, Kerala State that provides Day Care facilities in co-operation with LSGD institutions.



Dr. Tessy Tom

(Professor of Mathematics, Neuroscientist,
Certified Corporate Trainer)

Tessy Tom is a passionate academician, an ardent researcher and a committed corporate trainer. The 25+ years of her teaching profession proves her passion and dedication to the world of Mathematics and its allied subjects. The courses and papers she taught in various Indian universities; motivational and resourceful talks given; own research and other guided research works done; and her dives into the world of neuroscience are much appreciated.

Her assistance in developing the research aptitude in the various field of application oriented Mathematics were applauded by various Higher Education Academic centers by inviting her as the Board Member and other various Academic and Administrative roles. Her experience as the Head of the Department, Post Graduate Coordinator, member of Board of Study, Board of Examinations, Board of Reviewers, Research and Development Cell, Internal Quality Assurance Cell (IQAC), Internal Complaint Committee (ICC), Examination Squad Team, Internal Research Committee, etc. are always treasured.

The journey from pure mathematics concepts like Algebra, calculus, etc. towards the world of neuroscience and the mathematics orientation substantiates her vigour and passion of spreading her wings into a neuroscientist through her doctoral study research works and the active involvement in the Neuromatch Academy, an international online academy of neuroscience.

She is an engaging learner who follows the philosophy of unlearning and relearning, spending almost her free times to know and update on various concepts/fields. Her membership in various international and national associations of academic and nonacademic and the scholarships she has achieved tells her hard-work and enthusiasm. The qualification to become a corporate trainer is resulted from the outbound exercise to share her knowledge and capacities to empower others.



Dr. Shaji George

(Biochemist, Drug Development,
Molecular Biology)

Shaji T. George received his PhD in Biochemistry from Christian Medical College Vellore and thereafter completed his postdoctoral fellowship at the State University of New York at Stony Brook. Afterwards, he joined the Rockefeller University, New York, as a Junior Faculty and later was an adjunct faculty member. Other positions he held include Vice President (R&D), Innovir Laboratories Inc, a NASDAQ-listed biotech company focused on developing ribozyme-based therapeutics, President of BioNova Pharmaceuticals Inc a New York-based biotech company focused on developing novel prostate cancer diagnostics and therapeutics, and Director and Chief Scientific Officer of Mir Lifescience Pvt. Ltd, Bangalore-based company involved in developing novel diagnostic tests for personalizing cancer treatment. Currently, he is the President and Chief Scientific Officer of Biopharm Laboratories, USA, a technology holding and R&D company he helped co-found. He was instrumental in authoring several key discoveries in the field of RNA biology and oncology. His current research interests include development of diagnostic tools for personalizing cancer treatment and developing interventions to improve the healthspan of humans. Dr George has 38 peer-reviewed scientific publications in international journals and holds 12 issued and 5 pending patents .

GLOBAL HEALTH GROUP



Dr. Marina Rajan

(Professor, Public Health, Tuberculosis,
AIDS and Cancer)

Prof. Marina Rajan Joseph is currently engaged with the Institute of Health and Management, Australia as Curriculum developer. She has a brilliant academic track record with distinctions, gold medals and national scholarships. She took up Public Health Medicine as her specialized field of work by post graduating from the Christian Medical College Vellore, India.

She was instrumental in developing the departments of Community Medicine at Medical College Kolenchery and Believers Church Medical College Thiruvalla. She was invited as guest professor of Public Health to set up MPH training at the Central University Kerala in Kasaragod. She actively networked with major National Health programs like for control of Tuberculosis, Cancer and AIDS, promotion of breastfeeding, environmental health and other relevant public health issues. She has received nearly Rs 50, 00,000/- worth of funding in various research and development projects. She is a passionate researcher, research guide, editor and author with many national and international publications in medical journals and books. She is a trained and experienced Medical Educator and internationally accomplished. Trainer and Supervisor in Transactional Analysis, with many publications and books on her credit.

She is a great organizer and board member and regional secretary to the Christian Medical Association of India. She is also active in various other professional bodies like IMA, IAPC and ITAA. A lifelong learner, a committed Yoga practitioner, excellent teacher and trainer, she is a spokesperson of holistic wellness and environmental sustainability.



Dr. Jamal David
(Public Health and Community Medicine)

Dr. Jamil David graduated from the Manipal College of Dental Sciences, Mangalore, India. After a brief stint in a rural private dental practice, he proceeded to accomplish his Masters in Dental Public Health from the prestigious Barts and Royal London School of Medicine and Dentistry, Queen Mary & Westfield, University of London. Subsequently, he worked as a Research Fellow at the St. Leonard's Primary Care Centre, Hackney, London. To widen his experience of working in rural health-care settings, Dr. David joined Universities in Nepal and Malaysia, and soon secured a scholarship to pursue his doctorate studies in public health at the University of Bergen, Norway. During his doctorate, he had the distinctive opportunity of being selected and trained at the Department of Dental Public Health, University of Washington, Seattle. To further his academic career, he later joined the Centre for International Health, University of Bergen, as a Lecturer, soon progressing to the position of an Associate Professor at the Centre. He later worked as a Lecturer at the School of Dentistry and Department of Health Services Research in Liverpool, United Kingdom. Presently he works as an independent Public Health Consultant based in Kochi, India.

Dr. David collaborates with academics and researchers globally, and has been involved in various research activities in India, Nepal, Sudan and Tanzania. His dedication to improve the oral health of people in resource-poor nations has gained him international accolades, including a prestigious grant from Colgate/Palmolive, Piscataway, USA. He has an excellent academic track record with several scientific publications in international journals and numerous oral and poster presentations. Recently, Dr. David along with other members of International Association of Dental Research, USA, has conducted research seminars in the USA and India, with a view to initiate and stimulates research activities in dental schools in India.

Subject Interests - Public Health, Epidemiology, Health Promotion

Personal interests - Providing leadership and networking, traveling and understanding new cultures, western country music, football, cricket and movies.



Dr. A. K. Mathai

(Clinical informatics, Clinical trials, Regulatory affairs and Epidemiology)

Dr. Mathai has nearly three and half decades of experience in Biostatistics, Clinical Trials and Epidemiology. He retired as Senior Technical Officer from National Institute of Epidemiology (ICMR), Chennai, Tamil Nadu. He worked as Associate Director and HOD, Department of Biostatistics, Makro Care Clinical Research Organization and Manager – Biostatistics at PAREXEL International, Hyderabad. Dr. Mathai currently working as Director and HOD, Department of Biostatistics, MakroCare Clinical Research Organization, Hyderabad.

Dr. Mathai has secured M. Sc. from Cochin University of Science and Technology, Kerala; MPS from International Institute for Population Science, Mumbai; MCA from Madurai Kamaraj University, Tamil Nadu; MBA from Pondicherry Central University, Pondicherry; Ph. D from Madras University, Tamil Nadu; and FCLR from Medvarsity and Apollo Hospital, Hyderabad. He has published many research articles in the national and international journals and presented his findings in the national and international conferences and workshops.

Dr. Mathai has guided the M. Sc. Biostatistics students for their thesis preparation. He has delivered lectures for the MPH students at National Institute of Epidemiology (ICMR), Chennai and the students at Sardar Patel University, Gujarat. He has membership in the Indian Society for Medical Statistics; Indian Public Health Association; Indian Association for statistics in clinical trials and Indian Society for Clinical Research.



Dr. Maryanne Charath

(Public Health, Infectious diseases, Covid 19, Epidemiology)

Dr. Maryanne Charath is a medical physician who graduated with her MBBS degree from Kerala, India. She worked as a Resident Medical Officer in the Neuroscience department of Caritas Hospital, working with and treating both Neurology and Neurosurgery patients. During her medical career in India she organized and participated in many medical camps serving the underprivileged communities of the state. This is when she recognized a need for a better understanding and provision of public health to the community. Pursuing her passion for public health she decided to complete her Master's in Public Health from New York, concentrating on areas of Epidemiology and Infection Prevention.

Dr. Charath is currently working for the University of Michigan's University Health Services in Ann Arbor, Michigan. She is the lead Project Manager for different health programs on campus as well as the designated Infection Prevention Officer. She develops policies related to Healthcare Infection Prevention and ensures the standards of infection prevention practices are met.

In her free time she enjoys reading novels, cooking different styles of cuisines, and takes part in perfecting her practice in Bharathanatyam, a classic Indian dance forms.



Ms. Swathy Radhakrishnan

(Molecular Pathology Specialist,
VCU, VA, USA)

Swathy Radhakrishnan is a Molecular Pathology specialist in the Department of Pathology, Virginia Commonwealth University (VCU), USA, where she performs DNA-based testing for the diagnosis of infectious diseases, genetic disorders, and cancer. She is also part of a research team that conducts genomic and molecular diagnostics tests directly related to clinical trials, pharmacogenetics, and precision medicine.

Swathy obtained dual master's degrees in Molecular Biology and Biotechnology from Cochin University of Science and Technology, Kerala, and Adelphi University, New York, respectively. She is board-certified by the American Society of Clinical Pathology (ASCP) to perform tests in Molecular Medicine, and her current qualifications are M.Sc., MS, MB(ASCP) CM, which made her eligible for her current position as a specialist in Molecular Diagnostics.

By acquiring the latest cutting-edge technology such as Next Generation Sequencing (NGS), various types of PCR techniques, and nucleic acid hybridization techniques, Swathy helps hundreds of patients by diagnosing infectious diseases, inherited genetic disorders, gene and copy abnormalities in cancer. Her diagnostic and prognostic tests assist physicians in making decisions for individualized therapy, now known as precision medicine.

In her free time, Swathy works on improving her skills in acting, dancing, and cooking. She enjoys working with IISAC as a consultant in implementing molecular diagnostics projects related to Cancer genomics, Brain Genomics, Viral genomics, and Bacterial genomics.



Ms. Angela Varghese

(Data analytics, Visualization, Statistical Modeling)

Angela Varughese is a graduate in MSc. Big Data Analytics from Sheffield Hallam University,UK. She is currently working as a consultant on IISAC's Health Analytics project focusing on the Impact of COVID 19 on patients with Cardiovascular Health Issues, a data driven project to be submitted to the Golas part of the Corporate Social Responsibility (CSR).Her role is to help stakeholders make data driven decisions by applying Data Analytic Tools and Techniques as; R programming language, SAS, Python, Tableau on complex data sets these will be used to make predictions, identify patterns, and make informed decisions. Previously, she has worked with IISAC on serval of our business initiatives and global partnerships as our Business Analyst.

She also holds an MBA from Sikkim Manipal University, and BSc. Quantitative Economics (Makerere University).During her down time, she spends quality time with friends and family, she enjoys exploring exotic cuisines and polishing up her language skills in French.



Dr. Amrutha

(Community Oncology)

Dr. Amrutha T.S. graduated with Bachelor of Dental Surgery from NITTE University, Karnataka in 2015. She did her further education in Cancer Palliative care from Pallium India ,Trivandrum and Certificate Course in Cancer Screening from National Institute of Cancer Prevention,Noida.

She has over 6 years experience in Cancer Screening , Awareness and Early Detection. During her medical career she organised close to 200 cancer screening camps in Kerala and Karnataka and conducted extensive Tobacco Cessation Programmes for the underprivileged students in the rural areas of Karnataka.

She initially worked as Resident Doctor at Mangalore Institute of Oncology for 3 years where she was more focused on the treatment aspects of Oral Cancer .She then continued her career at Malabar Cancer Care Centre Kannur which is a collaborating Institute of WHO. Her primary focus was on Breast and Oral Cancer Awareness, Screening and Early detection following which she joined Indian Cancer Society, Bangalore where her focus shifted to Cervical Cancer and Tobacco Cessation Programmes. In 2020 she joined the Community Oncology Department at Caritas Cancer Institute,Kottayam and focused on the screening activities of the Southern Districts of Kerala.



SOCIAL EMPOWERMENT GROUP



Dr. Aniamma Joseph

(Professor, Social activist, Writer
Social empowerment)

Dr. Aniamma Joseph has nearly four and a half decades of teaching service in colleges including her service after superannuation. She retired as Reader and Head of the Department of English at Bishop Kurialacherry College for Women affiliated to Mahatma Gandhi University, Amalagiri, Kottayam, Kerala. She has secured an MA from Kerala University; M. Phil and Ph.D. from Mahatma Gandhi University, Kottayam, Kerala; and M.B.A. from Manomaniam University, Tamil Nadu. She had tried to instill her passion for learning into the student community during her teaching career. Moreover, she was involved in co-curricular activities like Sports, Games, Drama Workshop, Reading, Creative Writing etc. as she herself had been indulging in all these during her student career.

An accomplished writer, Aniamma Joseph in her literary career spanning more than five decades have contributed novels, short stories, plays, poems, and research papers in both English and Malayalam. Her first novel Ee Thuruthil NjanThaniye won a prestigious award from a leading Publishing Firm, DC Books, and they published it in 1985. Besides carving her own niche in the literary space by publishing 8 noted literary works, it was her long cherished dream to familiarize women and girls with regional literature and world literature that led to the founding of a registered literary association, Aksharasthree: The Literary Woman in 2015.

The association, first of its kind in Kerala and India with a motto "Grow, Let Grow, and Be Empowered" soon became a platform for budding women writers to publish their works. Not only did it promote women writers but also it created a space for women to build up self-esteem and creativity through reading, writing, discussion, and discourse. The vision of Aniamma Joseph and the hard work put by her saw the women's literary association publish as many as 52 books till date. Started as a bilingual association with Malayalam and English, it has now included Hindi also. She is still busy serving as the Chief Editor of the E-magazine for the Association and further strengthening the literary movement

of women in Kerala and the country. The growth of Aksharasthree spreading her activities like seminars, workshops on literary, cultural, programmes for women, school/ college girls and children, with five Chapters in Alappuzha, Vaikom, Thiruvananthapuram, Ernakulam, and Chennai, and having more than one hundred members including Kerala, other parts of India, and abroad stands testimony to her commitment to women empowerment.

Prior to the launching of this association, Aniamma Joseph has been associated with the YWCA movement through the YWCA of Kalathipady, Kottayam in her hometown in various activities and projects, one among them being Women Empowerment. Her long-cherished dream of launching an Institute for giving employment for the poor and the helpless women and girls is top in her action list.



Prof. Dr. Lalitha Mathew
(Director-Youth Empowerment
& Soft Skill Training)

Dr. Lalitha Mathew of Kerala is a Ph.D holder in English Language & Literature, from Calicut University Kerala. She pursued her Post Doctoral studies in Harvard, USA for a while.

After dedicating her very productive life to senior school students in her pre-doctoral years, she moved on to collegiate life as Professor, HOD, Principal, Director, Chief Advisor to Management and other senior Academic posts.

Other than being an Author, Translator, Writer, Public Speaker, Academic Text book writer, Senior consultant in School and college circles, she is currently working as Senior Visiting Professor and Member - Board of Studies , in Cochin University of Science & Technology(CUSAT).

Her artistic capabilities which include Diploma from the School of Drama, Expertise in Carnatic Music for vocal & Veena, Poetry writing, Subtitler in Regional movies, Dubbing , Theatre Arts and Event Management have earned her a covetable place in the Kerala Cultural milieu especially in Cochin area.

She is specially trained by stalwarts like Sri. Shiv Khera and other eminent maestros in the art of Public speaking .She delivers lectures on all these and has special training in Phonetics & writing skills.

Due to the skyrocketing success of her own institution "AKSHARI'-The House of

Knowledge , that gives training to young & old in every linguistic genre, Dr. Lalitha is a much sought after Trainer and Motivational speaker & has inspired thousands of youth towards shedding laziness & procrastination and become smart, efficient & sociable youngsters with a win-win policy in life.



Adv. Cyric Thomas
(Legal Consultant)

Attorney Cyriac Thomas has been in legal practice for more than 30 years. Having completed LL.M in first rank, has versatile experience and involvement with academics and corporate management in different capacities as Member of Board of Directors, Senate Member, Board of Trustees, etc in various corporate, financial, academic and Social institutions.



Prof. Babu Joseph
(Social Empowerment)

Prof. Babu Joseph a social democrat by conviction has 20 yrs experience as a college teacher and 10 yrs experience as an educational administrator. During this period of his active involvement in the academic life spanning a period of 30 long years he involved himself in lot of social development activities. At the age of 23 he participated in an international essay competition on " Internal and External menaces to Democratic Countries of the world which enabled him to participate in the international young liberals conference held in Berlin in 1973 along with 25 others from different parts of the world which enabled

him to get invitations to participate in several national and international conferences held in different parts of the world on Democracy and Developmental issues.

In 2006 his activities in the area of social entrepreneurship development, democracy related issues enabled him to receive Templeton Freedom Award Hon. Mention at a function held in Colorado Springs, USA.

As a teacher he tried his best to imbibe business and social entrepreneurship among his students and the motivation received from him prompted quite a few of his students to take up business entrepreneurship and social entrepreneurship.

But he did not confine himself merely to imparting knowledge on entrepreneurship to his students but he jumped in to the fray of actual business for a period of 5 years and learned firsthand the travails of a first generation entrepreneur. His next step was conducting an exhaustive study on "Incipient Sickness of Small Scale Industries in Kerala" leading to his doctoral thesis.

Twice he received invitation from White House Press secretary Nancy Pellosy to participate in teleconferencing with George W.Bush jr. the past President of United States.

As an educator Prof. Babu Joseph was instrumental in introducing lot of community oriented programs in the college where he was the Principal which brought him lot of accolades from the news media. Apart from giving students training in job related programs he was successful in bringing the local community in to the college and empowers them with lot of skills which improved their employability.

On retirement he is full time involved in identifying potential Social Entrepreneurs in different parts of the state and help them develop local area specific projects for the greater good of the society.

Apart from the above Prof. Babu worked on the national board for All India Association for Christian Higher Education for two consecutive terms and helped in the formulation of national educational policies. In that capacity he reached out to more than 2000 college and university teachers apart from managers and policy makers with the message of reforms in higher education.

Very recently Prof. Babu Joseph's students brought out a commemorative volume on his multifarious activities under the caption "Ahead of Times, Against the Tide.



Ms. Meethu Kalam

(Mass Media, Digital Media, Print Media)

Meetu Rahmath Kalam is an ambitious, creative and diligent Kerala-based journalist, translator and content writer. She is proficient in freelancing, interviewing and proofreading with typewriting skills in English, Hindi and Malayalam. Starting her writing career in a very young age, Meetu Kalam has contributed more than 300 articles, short stories and poems both in English and Malayalam. She has developed an excellent skill to relate with people from all social backgrounds. Having experience in print and online media, she has a foresight in knowing the pulse of the public and is efficient in compiling and publishing information even in tight rolling deadlines. She can absorb as well as organize large amounts of complex information quickly and is aware of all current laws and regulations relating to journalism. Her interests include updating news around the globe in a different perspective, exploring through various branches of literature irrespective of languages, utilizing internet's endless possibilities in finding out new topics and learning through research.

Her achievements in journalism include contributing high-impact profiles of prominent Pravasi personalities in the US to the most popular web magazine called e-Malayalee. She has interviewed celebrities and film stars for the Mangalam Sunday supplement and write for other popular weeklies like Mangalam Weekly, Keralashabdam (Qatar Supplement), Gulf Malayalam Biweekly, Bilathi Malayali (a London-based web magazine) and Snehapravasi.

With IISAC, she aims to contribute articles that raise general awareness in the field of loss of biodiversity, climate change, monsoon outbreaks of infectious diseases, birth defects, children with intellectual & physical disabilities, women literacy, emerging technologies, gender relations and youth empowerment.

TECHNOLOGICAL INNOVATIONS GROUP



Engr. Antony Prince

(Ship designer and Consultant of international reputation)

Antony Prince is a highly accomplished marine engineer and ship designer with over five decades of experience in the shipping industry. He was born in Ernakulam, Kochi, India, and completed his education at St. Albert's High School and College before earning a Bachelor of Science in Mechanical Engineering from T K M College of Engineering, Kollam, University of Kerala in 1968.

Antony began his career as a trainee marine engineer with the Shipping Corporation of India. He was trained at the Garden Reach Workshop in Kolkata and aboard several bulk carriers, general cargo ships, and oil tankers. Later, he became a Marine Engineer and Chief Engineer at Dockendale Shipping Co. in Nassau, Bahamas.

In 1977, Antony began working as a New building Surveyor and eventually became President of G T R Campbell (Japan) Ltd. He supervised the construction of several new buildings at IHI Shipyard and oversaw ship repairs at various shipyards in Japan, Singapore, and Europe. He went on to found several successful companies, including G T R Campbell International Ltd., G T R Campbell Marine Consultants Ltd., and Algoship Designers Ltd., where he was involved in ship design, construction, and project management.

Antony has received numerous awards and accolades for his contributions to the shipping industry. These include the Excellence Award for contributions to the growth of ship design in India and abroad from the National Maritime Foundation and the Thangal Kunju Musaliar Award for Lifetime Achievement from TKM TRUST.

In addition to his professional accomplishments, Antony is a Fellow of the Institute of Marine Engineers India and the Royal Institution of Naval Architects UK. He is also a member of the Society of Naval Architects and Marine Engineers USA and the Indian National Committee - Class NK. He is a former member of the Board of Governors of the Kerala Maritime Society and the Prime Minister's Sectorial Innovation Council for the Ministry of Shipping, Government of India.

Antony Prince's motto is "Socio-economic change through Engineering, Innovation, and Management." He has demonstrated this throughout his life by carrying out projects worldwide with the support of his family. One notable project was the 6-ship order he placed with Cochin Shipyard in 2003. At the time, the state of Kerala was notorious for labor unrest and work stoppages. However, Prince recognized that the labor at CSL was as skilled as any in the world, but their productivity was hindered by the working environment in Kerala. To improve productivity, Prince offered the shipyard an 8-ship order, which they declined, but settled for a 6-ship order instead. By addressing roadblocks such as delays in getting an approved ship design, tendering for materials, and obtaining approvals from owners, class, and flag, Prince was able to achieve his dream of building high-quality ships in India and achieve international shipbuilding schedules. This project had a huge socio-economic impact, changing the work ethics of the workers and the attitude of the unions, and led to a significant increase in take-home pay packets. The Cochin Shipyard has since transformed from producing only 13 ships in 31 years to more than 100 ships in the last 15 years, employing around 1800 people on their direct payroll and going partially private. This transformation has been called the "Cochin Miracle," which has attracted multi crore commitments to start new ventures from all over the world, making Kerala a darling of the global business community.

Antony is married to Alice Prince, a Chartered Accountant and Senior VP and CFO of group companies, and has two children: Rosemary Prince, a Pediatrician in Manhattan, New York, and Martin Prince, the VP of Legal and Finance for group companies.



Engr. Thomas Mottackal
(Drinking water treatment
and waste treatment specialist)

Mr. Thomas Mottackal, is the CEO of Tomar Group of companies in the United States, UAE and India.

An Electrical Engineer by education, Thomas served our nation in Indian Air Force. He then worked in Africa for 11 years in Marine maintenance and Pepsi Bottling. He migrated to the US in 1994.

Tomar Group is founded and headquartered in New Jersey, USA in 1998 including Tomar Construction LLC, Tomar Construction Services Inc., Thomas Controls Inc., Trenton Steel Corporation Inc., Mary & Thomas Realty LLC., Rigid Signs LLC., Tomar Building Construction LLC., MAC Events LLC., Tomar Engineering Solutions LLC.

Tomar team, under Thomas leadership, specializes in design and construction of Solid waste, water and waste water treatment plants, Electrical power construction, Industrial Automation, Integration and Data acquisition. Tomar built more than 100 plants in the US and counting. Tomar offers paid training and employment to numerous young engineers at it's Engineering Center in Kochi since 2012 and help them to migrate to the US and UAE.

Tomar and MAC Events LLC design build market and manage Pavilions at Dubai Global Village.

Tomar is the winner of prestigious "Global Quality Crown" award from Madrid University at Global Quality meet in London, UK in 2019

TOMAR takes pride in serving Malayalee Community by employing 95% Keralites to its staff strength in the United States and other

IISAC's Secondary Consultants for UN - SDGs

Dr. George Padanilam (Surgeon, Children with Physical disabilities)

Dr. Abraham Kalamannil (Chairman Mount Zion Group of Institutions, Consultant Medical and Technical education)

Dr. Sreekanth (Virologist, Scientist - Clinical genomics, Molecular biology of Viruses)

Dr. Jamie Joseph (Professor - Neuropsychology)

Engr. Shyam Kumar (Mechanical engineer, Water purification, Solar power, Electric vehicle)

Engr. Thomas Chennikara (Software Engineer, Green technology and Solar power)

Dr. Sandra Joji (Alternative medicine and Naturopathy)

Dr. Jacob C. Tony (Neuromuscular Physician)

Dr. Jasmine Thomas (Oncology Scientist)

Fr. Sebastian Punnassery (Director JIMPIRE)

Dr. Harikumar (Biodiversity, Plant taxonomy, Environmental protection)

Mr. Cifin Joseph (Rehabilitation Specialist & Physical Therapist)