

PERIELATHU M. MATHEWS

Sustainable management|
Entrepreneurship | Consultative
Services-Agriculture

A dynamic individual with exceptional knowledge in agricultural studies; has the devotion to improve the technology in agriculture. Overall 31 years' of rich experience in managing Government Research Projects on Diagnostic and Recommendation Integrated System. Eagerness and spark to give a new shape to the agricultural sector in India with the latest equipment and giving a quality farming experience to the world



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Valid Indian Driving License



CAREER CONTOUR

- More than 31 years of Research / Training experience in Agricultural Chemistry.
- Conference Attended: International Rubber Conference 2012, held at Kovalam, Kerala
- Special interest towards educating the farmers regarding the latest techniques.
- Editor: Agricultural Research & Technology, California USA
- Extensive experience of conducting workshops for the farmers with the help of various NGOs.
- Well versed with the latest technological developments in the agricultural sciences
- Delivered various Research paper during PH.D and Masters
- Proficient in providing consultation on DRIS (Diagnostic and Recommendation Integrated system) for application of Agricultural soil amendments, Fertilizer and Water for field crops in various agricultural projects of Govt. of India, World Bank and NGOs.
- International Exposure: Libya, Vatican, Italy, France, USSR, Bahrain and Saudi Arabia

WORK EXPERIENCE

Director
MANNA AGRICULTURE CONSULTING AND
RESEARCH COMPANY (OPC) PRIVATE LIMITED

05/2023 - Present

Achievements/Tasks

- ▶ Owned a Agricultural consulting and research company. Got incorporated by ministry of corporate affairs. Govt. Of India
- ▶ Preparing Strategy and policies, Responsible for marketing solution,, preparing module and conducting training programmes, supervise and manage team performance
- ▶ Analyzing existing operations, crops, livestock, staff, and financial documents and recommending improvements
- ▶ Visiting the different divisions to inspect crops, livestock, and also perform tests on soil and water.

AREAS OF EXPERTISE

- Fertiliser Requirements- All crops
- Crop choices
- Permaculture techniques
- Regenerative Agriculture
- Irrigation
- Crop Protection
- Soil & Water conservation
- Livestock Production & Management
- Agronomy
- Farm Power & Machinery
- Land Reclamation
- Carbon Trading
- Farm Management
- Landscaping
- Soil Health monitoring
- Agroforestry
- Establishment of Soil and Plant testing laboratory
- Protected Agriculture
- Precision Agriculture
- Climate Smart Agriculture
- Field Plot Techniques
- Crop modelling
- Crop improvement

CAREER HIGHLIGHTS

- Presided General Election to the Lok Sabha 3 times from several State constituencies and on some occasion appointed as observer in elections of local self-governing bodies (Panchayats)
- Awarded as "Best Actor" in School; Won 1st Prize in Speech Contest held in University
- Served University Speaker's Forum with Distinction; Scout at Tender Foot Level
- Appointed to Agricultural Research Services 40th Batch of Scientists by President, Indian Council of Agricultural Research (Hono'ble Union Minister of Agriculture)
- Received Letter of Appreciation from Eminent Professor Stanley A Barber (USA) for commendable work leading to Ph.D degree
- Won University Merit Fellowship during Ph.D (1986 -1990)



WORK EXPERIENCE

Scientist (Soil Chemistry)

Rubber Institute of India, Kottayam, Kerala, India

05/1996 – 05/2023

Achievements

- Successfully led DRIS Project of World Bank during 1996 – 2001
- Expert on handling chemical equilibria in soils. Supervised the work of 10 regional soil laboratories
- Running Barber-Cushman Mechanistic nutrient uptake mathematical model
- Played a pivotal role in identifying potential territories in key villages and created documentation for dissemination amongst farmers. Pioneered several field programmes
- Applied BARBER'S NUTRIENT UPTAKE model and GEOCHEM model for the purpose of fertiliser recommendation
- Successfully delivered Seminars on Soil Database and Use of Household Compost as Nutrient Carriers
- Worked on latest technologies such as: Geographical Information System (GIS) and Global Positioning System (GPS) , Digital Soil Maps , Agro-Ecological Concepts , Geostatistics for precision agriculture, Wageningen Simulation Model SUCROS, C++ Computer Program, Databases (SQL)
- Carried out soil survey of southern states of India. Provided training to scientific assistants in soil science
- Conducted extensive tours within and adjoining states of Kerala as supervisor of soil testing laboratories.

Scientist (Soil Fertility / Chemistry / Microbiology)

Central Potato Research Institute, Indian Council at Agricultural Research, Shimla, H.P., India

01/1994 – 05/1996

Achievements/Tasks

- Led a project on Integrated Nutrient Management
- Conducted: Fertility Survey of 250 experimental fields
- Facilitated identification of 2.5% organic matter as favorable level of carbon for potato
- Conducted Green-House Experiment relating soil properties to crop performance. Improve efficiency of water use in hills

Scientist (Soil Fertility / Chemistry / Microbiology)

Central Soil Salinity Research Institute, Haryana

07/1993 – 12/1993

Achievements/Tasks

- Attended training on reclamation & management of Saline, Alkali and Water Logged Soils
- Developed Alkali soils by working on Agro-forestry as an Alternative Land Use System
- Supported Project Leader in taking soil samples and measuring Organic Carbon, pH & nutrients in soils

Scientist (Soil Fertility / Chemistry / Microbiology)

Kerala Agricultural University, Thiruvananthapuram, Kerala, India

05/1992 – 06/1992

Achievements/Tasks

- Executed National Project of College of Agriculture in Thiruvananthapuram
- Performed estimation of 300 farmers and agricultural laborers benefitting from the program
- Collected personal & farming information from each household, as part of Rapid Rural Appraisal (RRA)



CAREER HIGHLIGHTS

- Ranked 1st in Soil Science in Dept. of Soil Science in year 1986
- Won National Junior Fellowship of Indian Council of Agricultural Research during 1983-1986
- Won University Merit Fellowship for Undergraduate Study during 1980-1983



PUBLICATIONS

Publication Type

Comparative Efficiency of Mussorie Rock Phosphate and Single Super Phosphate as P Source in Wheat and Maize at National Seminar of Development in Soil Science, Hyderabad, India;

Author(s)

Mathews P.M. and J.S Brar
1992

Publication Type

Quantification of Manganese Uptake by Wheat with respect to Soil and Plant Parameters at International Symposium of Soil Science, India;

Author(s)

Mathews P.M and D.S. Chahal
1992

Publication Type

Validation of Barbar's Model for Predicating Manganese Uptake by Wheat at 79th Annual Meeting of Indian Science Congress Association, Vadodara, Gujarat, India;

Author(s)

Mathews P.M.
1992

Publication Type

Incubation Studies on the Effect of Various Soil Amendments such as Single Super Phosphate at 58th Annual Convention of Indian Society of Soil Science, Dehradun, India

Author(s)

Mathews P.M. and J.S Brar
1993

Publication Type

Effect of Soil Organic Matter on Yield of Potato Crop in CPRI Annual Report, Shimla

Author(s)

Mathews P.M, K.C. Sood
1993

Publication Type

Rubber Board-popular Article on What Happens When Chemical Fertilizers are added to Soil

Author(s)

Mathews P.M
2010

Publication Type

Possibility of Using Household Wastes as Nutrient Carrier in Rubber Plantations in Annual Conference of international Rubber Research and Development Board, Kovalam, Kerala, India

Author(s)

Mathews, P.M
2012

WORK EXPERIENCE

Scientist (Soil Chemistry/ Fertility/Microbiology)

National Academy of Agricultural Research Management, Andhra Pradesh, India

01/1992 - 04/1992

Achievements/Tasks

- Attended training on use the latest education technologies including C.C.T.V
- Developed following projects: Viable Research Project involving planning, database management, design of experiments, programming system design, system evaluation, system analysis, treatment of technological findings, technical writing, so on
- Project on "The Use of Mechanistic Model for Predicting Nutrient Uptake by a Crop"

PROFESSIONAL ALLIANCES

- Scientist: Soil Chemistry for Govt. of India since 2002 till 2023
- Scientist (DRIS) at World Bank during 1996-2002
- Scientist (Soil Chemistry/Fertility/Microbiology) at Indian Council of Agricultural Research during 1992-1996
- Consultant at Astrachem in Saudi Arabia (on trial for 3 months)
- Member of Indian Society of Soil Science & International Society of Soil Science 2016-2017
- Member of Rubber Board Cooperative Society and Employees Welfare Organization
- Indian Potato Association 2016-2017

LABORATORY EXPERTISE

- Preparation of Chemicals & Buffers, Titration, Standards
- Plant Analysis
- Determination of Nutrient Absorption Kinetics
- Soil Analysis (Testing)
- Microbiological Techniques
- Soil Test Crop Response Correlation:

TECHNICAL SKILLS

Visual Studio 2015 for Website Design and Integrated Development Environment

PYTHON for Scientific Programming

Latex for Editing and Publishing; Computing

BUSINESS EMAILS

Manna@ag.in

Agrconsult@co.in

PUBLICATIONS

Publication Type

Possibility of Using Household Wastes as Nutrient Carrier in Rubber Plantation in 77th Annual Convention at Indian Society of Soil Science, Ludhiana, Punjab, India

Author(s)

Mathews, P.M
2012

EDUCATION

Ph.D (Soil Fertility)

Punjab Agricultural University, Ludhiana, India

1992

Agricultural Research Project Management

National Academy, Hyderabad

1992

Master of Science (Soil Science)

Punjab Agricultural University, Ludhiana, India

1986

Bachelor of Science (Honors in Soil Science)

Punjab Agricultural University, Ludhiana, India

1984

IT COURSES

- Apple Developer Program, during 2015-2016
- Certificate of Proficiency in Frontpage 2000, MS-Office 2000 (Word, Excel, PowerPoint, Windows & Internet Applications) from Aptech Computer Education

LANGUAGES

English ● ● ● ● ●
Hindi ● ● ● ● ●
Malayalam ● ● ● ● ●
Archaic Languages: ● ○ ○ ○ ○
Greek, Latin, Sanskrit, Syriac)

REFERENCES

Jessy. M.D ., Director
" Rubber Research Institute of India. Govt of India "

Chaudhary O.P, Professor of Soils
" Punjab Agricultural University"

Prof. P.J. Kurian , Deputy Chairman and Member of Parliament , Former Union Minister
" Rajya Sabha, Govt of India, New Delhi "