

## **Dr.G. Byju**

A soil scientist specialised in site specific nutrient management (SSNM) and abiotic stress in tuber crops. Developed SSNM recommendations for 7 crops using modified QUEFTS models and formulated & popularised zone-specific secondary- and micronutrient-inclusive customized fertilizers for 6 crops by conducting more than 400 Validation Trials/OFTs/FLDs across 12 states. Five technologies of multi micronutrient formulations for tuber crops were developed & commercialized through Agrinnovate. Developed climate smart agriculture for cassava and yams and validated 5 models (ECOCROP, WOFOST, MaxEnt, CROPWAT and Aquacrop) for climate change modelling studies. Ten decision support systems for tuber crops including potato were developed. Completed 42 Institute Research Projects (10 PI) and brought Rs. 14.39 crores through 17 external aided projects (7 PI). Mentored 1 post-doctoral, 7 Ph.D. & 19 M.Sc./M.Tech. students besides acting as external examiner for 90 Ph.D./M.Sc.(Ag) students of SAUs and others including WUR, The Netherlands. Undertaken 13 major interdisciplinary and interinstitutional (national and international) research studies with peer review publications. Fifty farmers trainings were organised during last 5 years benefitting 5000 farmers. Fellow of 3 professional societies and recipient of 5 awards. Visited 12 countries. Published 115 refereed journal articles (45 in journals with NAAS score 6.0 and above), 93 conference/seminar presentations, 3 books, 13 book chapters, 26 technical bulletins, 36 technical leaflets and 170 popular articles. Total google scholar citation: 1340, h-index : 17, i10-index : 38. Other important professional assignments: Leader/member of many state level policy making bodies & programmes including Flood Loss Assessment, 2018; Member, Board of Studies and Academic Council of Kerala Agricultural University; Member, Executive Committee, NIPST, Mahatma Gandhi University, Kerala; Judge, State Level Agricultural Awards, Govt. of Kerala (2 times); Judge, State Level Harithakeerthi Award, VFPC, Govt. of Kerala; Judge, Kerala Science Congress (2 times); and Member Secretary, QRT; SIC, PME Cell; Secretary, IRC; SIC Farm and in-charge of Director, SAO, SFAO etc. of ICAR-CTCRI at one/many occasions.