

## Moi University



### **Prof. (Eng.) Augustine B. Makokha (P.Eng., MIEK, CEM, REP, MAEE)**

Prof. Augustine Makokha has a PhD and MSc (Engineering) from University of the Witwatersrand, South Africa. He is a Certified Energy Manager and a Certified Renewable Energy Professional. He is the Head of Department of Energy Engineering, Coordinator for renewable energy projects at World Bank funded ACEII Project at Moi University, Coordinator for the AfDB funded project for postgraduate training and lead participant in HEPSSA Project at Moi University. He is involved in development of professional short courses for capacity building in the energy sector. He is a chair and grant holder for various research projects with research interests in energy systems modelling and optimization, CFD and Minerals Engineering.



### **Dr. Bernard Nassiuma**

Dr Bernard Nassiuma holds a PhD in Entrepreneurship Development (Kenyatta University), MPhil in Entrepreneurship (Moi University) BCom (Hons) Panjab University, Postgraduate Diploma in Business Management and Diploma in Applied Psychology. He has vast experience in venture start-up and enterprise development. He is a senior Lecturer of entrepreneurship, Chairman of Department of Entrepreneurship and Project Management and Business Development specialist of the Moi University Incubator. His research interests focus on the following areas: Creativity and innovation, Gender and entrepreneurship, Venture start-ups and Renewable energy. He has supervised over 65 postgraduate students and examined numerous postgraduate dissertations from local and foreign universities.



### **Dr. Jacqueline K. Makatiani**

Dr. Jacqueline has a PhD (Applied Sciences) and MSc (Applied Genetics and Pest Management) from Kyushu University, Japan. She is the Deputy Incubation Center Leader, and Coordinator of Internships, Short Courses and Industrial linkages at Africa Center of Excellence in Phytochemicals, Textile and Renewable Energy. She is a member of University Quality Assurance Committee, and has participated in designing and conducting of graduate tracer study and market needs assessment for curriculum development. She supervises postgraduate students in Environmental Biology, Plant Health, Bioenergy and Phytochemistry. Her research interests are: Bioprospecting of useful industrial microorganisms, Pesticides compatibility in Food Production Systems; Food losses/wastage; and Biocontrol.



### **Dr. Pacifica C. Mining (Ph.D, EIA/EA, EIK)**

Dr Pacifica Mining has a Ph.D in environmental studies – Human Ecology from University of Eldoret and M.Phil. in Development Studies from Moi university, Kenya. She is a registered Environmental Impact Assessment and Environmental Audit Expert (EIA/EA) and Member of Environmental Institute of Kenya (EIK). She is coordinator of post graduate programs in development studies. Her research interests include: Clean Energy initiatives, Use of Indigenous knowledge for sustainable livelihoods and gender mainstreaming. She has supervised over ten postgraduate students and examined numerous research theses. She is also involved in student mentorship programs and community empowerment and development projects.



### **Mr Kennedy S. Munyole (MAEE, CEM)**

Kennedy Munyole teaches renewable energy at Kibabii University. He is currently working on a biogas project for rural communities. He taught Mechanical Engineering at Eldoret Polytechnic, worked on projects in energy efficiency, PV water pumping and biogas plants. Munyole holds a Master of Science in Renewable Energy Systems Technology from Loughborough University (UK) and Higher Diploma in Mechanical Engineering from The Kenya Polytechnic. He has been involved in consultancy work in TVET sector for Oil and Gas, with work assignments in Uganda and Tanzania. Munyole is enthusiastic about renewable energy, automation, electric mobility and appropriate technologies for sustainable living.



### **Dr. Rose C. Ramkat**

Rose Ramkat has a PhD in Natural Resources and Applied Life Sciences from BOKU University, Austria. She is the Deputy Center leader in the Center of Excellence in Phytochemicals, Textile and Renewable Energy, Moi University. She is also Head of Department Biological Sciences and is involved in lecturing, supervision and examination of undergraduate and postgraduate students. She has been involved in curriculum development and her subjects for research and student mentoring concentrates on biodiversity, conservation and improvement of biofuel plants. She has worked with rural communities on use of energy saving cooking devices when she was an agriculture extension officer.



### **Ms Dorcus A. Shisoka**

Ms. Dorcus A. Shisoka holds an MSc in Computer Science from University of Sunderland through Commonwealth Scholarship program and BSc Computer Science (Egerton University). She has a wealth of experience in teaching Sciences and Technical subjects. She has attracted various scholarships like the NACOSTI scholarship to pursue her PhD as well as NRF funds for Infrastructure and Innovation. She has participated in exchange programmes to India and Britain. She is currently serving as the Chairperson, Department of Computer Science. She has special research interest in Bioinformatics and Biometrics. She is a member of the Association for Computing Machinery (ACM).



### **Prof. Er. Anil Kumar**

Prof Kumar is Associate Professor in the department of Chemical & Process Engineering. He studied at LIT Nagpur, IIT Kanpur and Moi University. He has a vast experience of university teaching and research. He lectured in Chemical Engineering at KNUST, Ghana before joining Moi University. He is supervising a number of MSc and PhD students. He is a registered Professional Engineer with Engineering Council of India, and a life member of Indian Institute of Chemical Engineers. He has research interests in Transport phenomena, Thermodynamics and Energy (biofuels, technologies for reclaiming and recycling, energy optimization, fossil fuels).



### **Dr. Pamela A. Chebii**

Dr. Pamela Chebii holds a Ph.D. in Entrepreneurship (JKUAT, Kenya), MPhil in Entrepreneurship (Moi University), B. Ed (Science, Hons) (Moi University). She is involved in lecturing, supervision and examination of undergraduate and postgraduate students. She has been involved in her department's curriculum development. Her research interests focus on: Entrepreneurial mentorship, gender and entrepreneurship, and Project Appraisal. She supervises postgraduate students and internally examines postgraduate theses. In the community she is involved with women entrepreneurial empowerment and use of clean and renewable energy.



### **Prof. Ambrose Kiprop (PhD)**

Ambrose Kiprop is an Associate professor of Chemistry. Dean - School of Biological and Physical Sciences, Center Leader - World Bank Funded Africa Center of Excellence in Phytochemicals, Textile and Renewable Energy, and Coordinator of ASALI project, Moi University. Professor Kiprop obtained his PhD degree in Geosciences, 2009 at University of Lorraine, France. His research interest and activities include: Production and optimization of biogas from biomass and slaughterhouse wastes, pre-treatment of *Prosopis juliflora*, its hydrolysis to simple sugars using immobilized enzymes, production of high-value chemicals from lignocellulosic biomass by biocatalyst, extraction and isolation of compounds and then characterization, among others.