

Seth Mikaye Staff Profile 2026

Name	Dr. Seth Mikaye Monayo
Qualifications	B.Pharm. M.Pharm. PhD (Pharmacology)
Picture(JPEG)	
Department	Department of Pharmacology & Pharmacognosy
Brief Bio	Name: Dr. Seth Mikaye Monayo, PhD Profession: Registered Pharmacist; Pharmacologist Nationality: Kenyan Gender: Male Address: P.O. Box 7568- 40100, Kisumu, Kenya. E-mail: mmonayo@maseno.ac.ke Seth Mikaye is a Pharmacology specialist who has served as a Lecturer in several revered institutions locally and internationally. He is a registered Pharmacist in Kenya by the Pharmacy and Poisons Board. Seth is a seasoned researcher and scientific journal reviewer with several journals including, Cell Death & Diseases journal.
Current Research & Past research activities	CURRENT RESEARCH: 1. <i>In vivo</i> evaluation of the efficacy and toxicity of phytonanoparticles 2. Extraction, isolation and characterization of Medicinal plants in alleviation of diseases PAST RESEARCH: 3. Pyroptosis in cardiovascular related diseases; mechanistic approach 4. Melatonin as a regulator of epigenetics 5. Traditional Chinese medicine in high incidence diseases

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Publications	1. Seth Monayo, X Liu, Y Zhang, B Yang, (2024). "<i>The role of melatonin in epigenetic regulation of various diseases</i>". Authorea. DOI: 10.22541/au.170669138.81219502/v1. 2. Yingying Hu, Shuqian Zhang, Han Lou, Monayo Seth Mikaye, Run Xu, Ziyu Meng, Xin Liu, Zhimin Du, Yong Zhang. (2023). "<i>Aloe-emodin derivative, an anthraquinone compound attenuates pyroptosis by targeting NLRP3 inflammasome in diabetic cardiomyopathy</i>". Pharmaceuticals Journal. DOI: 10.3390/ph16091275. (IMPACT FACTOR 5.215). 3. Seth Monayo Mikaye, Xin Liu, (2022). "<i>The prospective application of melatonin in treating epigenetic dysfunctional diseases</i>". Frontiers in Pharmacology journal. DOI: 10.3389/fphar.2022.867500. (IMPACT FACTOR 5.81) 4. Xueqing Tang, Xin Liu, Seth Mikaye Monayo, Hongrui Zhao and Yong Zhang, (2021) <i>Traditional Chinese medicine in the treatment of high incidence diseases in cold areas: the thrombotic diseases</i>. Sciendo journal. DOI: 10.2478/fzm-2021-0005. 5. Qin W, Zhang L, Li Z, Xiao D, Zhang Y, Zhang H, Justine Nyakango Mokembo, Seth Mikaye Monayo, Nabanit Kumar Jha, Kopylov P, Shchekochikhin D, Zhang Y. (2020). <i>Endothelial to Mesenchymal Transition contributes to nicotine-induced atherosclerosis</i>, Theranostics, Journal. DOI: 10.7150/thno.42470. (IMPACT FACTOR 6. Jin Ju, Dan Che, Nanna Shen, Tong Zhou, Hui Che, Xia Li, Shuqian Zhang, Justine Nyakango Mokembo, Nabanit Kumar Jha, Seth Mikaye Monayo, Zhiguo Wang, Yong Zhang. (2020). "<i>miR-150 regulates glucose utilization through targeting GLUT4 in insulin-resistance cardiomyocytes</i>". Acta biochim biophys sin (Shanghai) Journal. DOI:10.1093/abbs/gmaa094 (IMPACT FACTOR 2.836).
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	7. Zhange Li, Honglin Xu, Xin Liu, Yang Hong, Han Lou, Heng Liu, Xue Bai, Lei Wang, Xia Li, Seth Mikaye Monayo, Justine Nyakango Mokembo, Nabanit Kumar Jha, Baofeng Yang, Yong Zhang. (2020). "<i>GDF11 inhibits cardiomyocytes pyroptosis and exerts cardioprotection in acute myocardial infarction mice by upregulation of transcription factor HOXA 3</i>". Cell Death Disease Journal. DOI:10.1038/s41419-020-03120-6. (IMPACT FACTOR 5.959).
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