Curriculum Vitae



Biodata

Name : Miftakh Nur Rahman
Place Of Birth : Bandung
Date of Birth : January, 22nd 1987
Marital Status : Married
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Educational Bakcground

2002 - 2005	SMA Negeri 1 Bogor, Bogor, Indonesia
2005 - 2009	Bachelor of Science, Biochemistry Department, Faculty of Mathematics and Natural Sciences, Institut Pertanian Bogor, Bogor, Indonesia
2016 - 2018	Master of Pharmacy, Majoring in Clinical Biochemistry, Faculty of Pharmacy, Universitas Padjadjaran, Bandung, Indonesia
2019 – 2023	Doctor, Clinical Biochemistry, Faculty of Pharmacy, Universitas Padjadjaran, Bandung, Indonesia

Professional Background

2010 - 2012	Laboratory Information Services, Regional Marketing Division, Prodia Clinical Laboratory, PT Prodia Widyahusada
2012 - 2013	Regional Product Executive, Regional Marketing Division, Prodia Clinical Laboraroty, PT Prodia Widyahusada
2013 - 2016	Research & Esoteric Laboraroty Scientist, Development Department, Prodia Clinical Laboratory, PT Prodia Widyahusada
2017 - 2020	Mass Spectrometry and Separation Sciences Laboratory Assistant Manager, Development Department, Prodia Clinical Laboraroty, PT Prodia Widyahusada, Tbk.
2020 – now	Mass Spectrometry and Separation Sciences Lab Head, Prodia Clinical Laboratory, PT Prodia Widyahusada Tbk.

Skills

1. Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) method development and validation.
2. Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) method development and validation
3. Gas Chromatography-Mass Selective Detector (GCMS) method development and validation
4. High Performance Liquid Chromatography (HPLC) method development and validation
5. Fourier Transform Infrared (FTIR) Spectroscopy method development and validation
6. Immunoassay
7. Biostatistics
8. Clinical Mass Spectrometry Applications

Achievements

1. Second place best poster presenter, Kongres Nasional Himpunan Kimia Klinik Indonesia (HKKI), Makassar, 2015
2. First place best research Prodia Scientific Society Research Grant, Jakarta, 2018
3. Awarded by Prodia to attend MedLab Asia Congress, Singapore, 2019
4. International Travel Grantee, American Association for Clinical Chemistry (AACC), Chicago, 2018
5. Second place best oral presenter, Bandung International Teleconference on Pharmacy (BITP), Bandung, 2021

Workshops and Seminars

1. Bioinformatics workshop, Next Generation Sequencing (NGS) data analysis, Pusat Studi Biofarmaka, IPB, 2016
2. Metabolomic workshop, Pusat Studi Biofarmaka, IPB, 2017
3. Metabolomic and Chemometric International Symposium, IPB, 2016
4. Mass Spectrometry on Newborn Screening and other clinical applications Seminar, Bangkok, Thailand, Recipe GmbH and C-Med Thai, 2016
5. Proteomics Workshop, Dermama Proteomics Laboratory, Jakarta, 2018
6. LCMS/MS steroid hormones method development workshop, Waters Corp, Singapore, 2018
7. Designing Proteomic Analysis on LCMSMS Workshop, AACC Scientific Meeting, Chicago, USA, 2018
8. How to develop a robust liquid chromatography method workshop, AACC Scientific Meeting, Chicago, USA, 2018
9. American Association for Clinical Chemistry (AACC) 70th Annual Scientific Meeting and Lab Expo, Chicago, USA, 2018
10. MedLab Asia Scientifc Meeting, Singapore, 2019
11. Chemical Pathology Course, Royal College of Pathologist of Australasia (RCPA) Australasia Association for Clinical Biochemistry (AACB), Perth, Australia, 2020
12. American Association for Clinical Chemistry (AACC) Virtual Annual Scientific Meeting And Lab Expo, Chicago, USA, 2020
13. Elsevier South East Asia Publishing Workshop: An Introduction to Scholarly Publishing, Virtual, 2020
14. Precision Medicine World Congress Virtual Conference – 21$_{st}$ Century Precision Medicine in the Age of Covid, Silicon Valley, USA, Virtual, 2021
15. Mass Spectrometry Application in Clinical Field, IFCC Young Scientist Task Force, Virtual, 2021
16. Advanced Metabolomic Technologies Training, Singapore Phenome Center (SPC) In Collaboration with NTU, Singapore, Virtual, 2022
17. Metabolomic: Promises and Clinical Translation Challenges, IFCC Live Series, IFCC, Virtual, 2023
18. International Conference on Immunoassay, MACB and Snibe, Kuala Lumpur, Malaysia, 2023

Scientific Activity

1. Invited Speaker, Perhimpunan Dokter Umum Indonesia (PDUI), Laboratory Diagnostics, Jakarta, 2013
2. Invited Speaker, IDI Lampung Mini Symposium, Kotabumi, 2013
3. Invited Speaker, Muktamar IDI XXX, Short Chain Fatty Acids: An Emerging Biomarker for Healthy Gut, Samarinda, 2018
4. Invited speaker, Jakarta International GI Endoscopy Symposium, ProHealthy Gut, Tell You How Healthy your Gut, Jakarta, 2018
5. Invited speaker, International Society for Trace Element Research in Human (ISTERH), Trace Element Analysis, One Step Closer to The Core of Human Health, Denpasar, 2019
6. Invited speaker, International Gastroenterology Update Symposium, Stool Analysis: A Multi-Dimensional Approach for Human Health, Medan, 2019
7. Invited speaker, Persatuan Ahli Teknologi Laboratorium Medik Indonesia (PATELKI) Seminar, Mass Spectrometry: The Key Technology in Precision Medicine, Cirebon, 2019
8. Invited speaker, Personalized Nutrition: from Research to Clinical Practice Webinar, Integrated Metabolomic Approach in Human Nutrition Studies, Virtual, 2020
9. Invited speaker, Kuliah Pakar Universitas Muhammadiyah Semarang (Unimus), Clinical Proteomics: Closing the Gap from Discovery to Implementation, Virtual, 2021
10. Invited speaker, Integrating Multiomics to Clinical Practice, The 16th IACC National Congress, Jakarta, 2022
11. Invited speaker, Chromatography and Mass Spectrometry Application in Toxicology, Stikes Nasional, Jakarta, 2023
12. Invited speaker, Discovering Biological Information from Mass Spectrometry, Prodia Scientific Day, Jakarta, 2023
13. Invited speaker, Mass Spectrometry in Clinical Laboratories, PIT Persatuan Dokter Patologi Klinik Cabang Joglosemar, Semarang, 2023

Publications

1. Serum Zinc Reference Range Adjustment for Indonesian Population, De Gruyter, Clinical Chemistry and Laboratory Medicine, IFCC Official Journal, 2015
2. Profil Trace Element dan Logam Berat pada Kehamilan dengan Zn dan Cu Rendah, Poster Presentation, Himpunan Kimia Klinik Indonesia Symposium, 2015
3. PPAR-y Signaling in Metabolic Homeostasis, The Indonesian Biomedical Journal, 2016
4. Survivin Clinical Features in Cervical Cancer, Molecular and Cellular Biomedical Science, 2017
5. Impact of Seminal Plasma Copper to Retinol Ratio in Infertile Subjects, Poster Presentation, AACC Annual Scientific Meeting, 2018
6. Role of genetic variant GC gene to vitamin D deficiency in Indonesian population, Clinica Chimica Acta, Elsevier, 2019
7. Glycine to Arginine Ratio As A Promising Early Detection Marker for Insulin

Resistance in Central-Obese Men, Poster Presentation, Medlab Asia Congress, 2019

8. Serum Free Zinc as A Predictor for Excessive Function of Pancreatic Beta-Cells in Central-Obese Men, The Indonesian Biomedical Journal, 2019
9. A Highly Sensitive, Simple, and Fast Gas Chromatography-Mass Spectrometry Method for the Quantification of Serum Short Chain Fatty Acids and Their Potential Features in Central Obesity, Analytical & Bioanalytical Chemistry, Springer-Verlag, 2021
10. Serum Branched Short Chain Fatty Acids Signature in Dyslipidemia and Their Association with Type 2 Diabetes Mellitus, Oral Presentation, BITP 2021