

Maheshwor Thapa

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PERSONAL DETAILS

Date of Birth: February 7, 1988

Nationality: Nepalese

Gender: Male

EDUCATION

Master of Pharmacy (Medication and Analytical), Duksung Women's University, S.Korea

CGPA: 4.44 on 4.5 point scale

Thesis: "*Metabolomic Study of Amino Acids Profile in Asthma Patients using UPLC-MS/MS.*"

Bachelor of Pharmacy, Kathmandu University, Nepal

CGPA: 3.77 on 4 point scale

Thesis: "*Formulation, Optimization, and In-Vitro evaluation of porous film coated osmotic pump based controlled released theophylline tablets.*" (Awarded as best project among BPharm projects 2010)

PUBLICATION

Thapa, M.; Yu, J.D.; Lee, W.; Islam, F.; Yoon, H.R., Determination of homogentisic acid in human plasma by GC-MS for diagnosis of alkaptonuria. *Analytical Science and Technology*, 2015, 28(5), 323-330.

Yoon, H, R.; Thapa, M. A Rapid, Simple Determination of Sulfur-containing Compounds and methylmalonic acid on plasma using GC-MS-SIM for the Diagnosis of Homocysteinemia. *The Korean society of Inherited Metabolic Disease*, 2015, 15(3), 138-146.

POSTER PRESENTATION

Thapa, M.; Yu, J.D.; Lee, W.; Islam, F.; Yoon, H.R., Determination of homogentisic acid in human plasma by GC-MS for diagnosis of Alkaptonuria. *3rd Drug analytics Subcommittee annual general meeting and winter symposium on current technologies in chromatography and spectrometry Chungnam National University, Daejeon, Korea.* 29-01-2015.

Thapa, M.; Yoon, H.R. Diagnosis of fatty acid oxidation disorders using enantiomeric differentiation. *Pharmaceutical Analysis: from Discovery to Biomedical Application*. Sookmyung Women's Univeristy.29-01-2016.

Thapa, M.; Lee, S.; Yoon, H.R. Determination of Sulfur Amino Acids in Human by Liquid-Chromatography-Tandem Mass Spectrometry. *KSIMD.KSMG/AEWIEM Joint Meeting*, Seoul, Korea. 29-03-2016 t/m 30-03-2016.

Thapa, M.; Yoon, H.J.; Kim, S.; Yoon, H.R. Metabolomic study of Amino acids profile in asthma patients using UPLC-MS/MS. *2016 Spring International Convention of The Pharmaceutical Society of Korea. Kim Daejung Convention Center, Gwangju, Korea*. 18-04-2016.

Thapa, M; Yoon, H.R. Rapid differentiation and determination of D- and L-thyroxine in Human serum using chiral column with UPLC-MS/MS. *2016 Fall Meeting of the Pharmaceutical Society of Korea*. 09-11-2016.

Thapa, M.; Ahn, Y.W.; Yoon, H.J.; Kim, S.; Park, Y.; Lee, J.; Yoon, H.Y. Rapid Determination of Omega Fatty Acids in Asthma Plasma by Ultra Performance Liquid-Chromatography-Tandem Mass Spectrometry and Clinical Correlation with Asthma Patients. *2016 Fall Meeting if the Pharmaceutical Society of Korea*. 09-11-2016.

ORAL PRESENTATION

Thapa, M.; Yu, J.D.; Lee, W.; Islam, F.; Yoon, H.R., Determination of homogentisic acid in human plasma by GC-MS for diagnosis of Alkaptonuria. *3rd Drug analytics subcommittee annual general meeting and winter symposium on current analytical technologies in chromatography & spectrometry*, Chungnam National University, Daejeon, korea. 29-01-2015.

Thapa, M; Yoon, H.R. Rapid differentiation and determination of D- and L-thyroxine in Human serum using chiral column with UPLC-MS/MS. *2016 Fall Meeting of the Pharmaceutical Society of Korea*. 09-11-2016

Thapa, M; Yoon, H.R. Metabolomics of Plasma Omega Fatty Acids in Asthma Patients. *Pharmaceutical Analysis: Now and Tomorrow. Seoul National University, Seoul*. 13-01-2017.

RESEARCH EXPERTISE

Operation of LC-MS/MS and GC-MS, Sample preparation techniques-solid phase extraction, liquid-liquid extraction and protein precipitation.

Competent in bioanalytical method development and validation.

Multivariate data analysis using Metaboanalyst (Principal Component Analysis (PCA), partial least square discriminant analysis (PLS-DA), orthogonal partial least square discriminant analysis (OPLS-DA)), cluster analysis (dendrogram, heat map).

TRAINING AND EXPERIENCES

Internship training in Nepal Pharmaceutical Laboratory, Birgunj, Nepal (1st Aug, 2010-1st Sept, 2010).

Hospital Pharmacist in Nepalese Army Welfare Trust, Medicine Management and Treatment Center, Nepal Army, Ministry of Defense, Nepal (Dec, 2010-June, 2014).

Laboratory training in Racing Laboratory, Seoul, South Korea (1st Aug, 2014-1st Sept, 2014).

REFERENCES

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