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Research interests:

1. Conducting research in the field of drug analysis in formulations and biological fluids.
2. Analysis of drugs and their metabolites in biological samples for pharmacokinetic and pharmacodynamics studies.
3. Analysis of drugs in the presence of their degradation products in stability and forced degradation studies according to official guidelines.
4. Analysis of drug residues in foods in order to serve the community through avoiding risks to human health.
5. Liquid chromatographic separation of multi-component mixtures.

Selected Publications:

1. Yasser El-Shabrawy, **Mohamed Walsh**, Nahed El-Enany, Rania Nabih El-Shaheny "**Investigation of Ethosuximide Stability under Certain ICH-Recommended Stress Conditions Using Validated Stability-Indicating HPLC Method**" Analytical methods, 2018
2. Abdallah M. Zeid, Noritada Kaji, Jenny Jeehan M. Nasr, Fathalla F. Belal, Yoshinobu Baba, **Mohamed I. Walsh** "**Stacking-cyclodextrin-microchip electrokinetic chromatographic determination of gabapentinoid drugs in pharmaceutical and biological matrices**" Journal of Chromatography A, 1503(2017) 65-75.
3. **Mohamed.I. Walsh**, F. Belal, M.E. Fathy , H. Borg "**Simultaneous HPLC Determination of Four α -Blocker Drugs Using Time Programming Technique**" Journal Analytical Chemistry Letters, 7(2017) 531-544.

4. **Mohamed I. Walsh**, Fawzia Ibrahim, Samah Abo El Abass “**Development and Validation of HPLC Method for Simultaneous Estimation of Famotidine, Paracetamol and Diclofenac in their Raw Materials and Pharmaceutical Formulation**” Journal Analytical Chemistry Letters, 7(2017) 421-437
5. Abdallah M. Zeid, Jenny Jeehan M. Nasr, Fathalla F. Belal, Shinya Kitagawa, Noritada Kaji, Yoshinobu Baba and **Mohamed I. Walsh** “**Determination of six anti-Parkinson drugs using cyclodextrin-capillary electrophoresis method: application to pharmaceutical dosage forms**” RSC Advances 6 (2016) 17519-17530.
6. **Mohamed.I. Walsh**, F. Belal, Tolba, M. and Halawa, M.I “**Spectrofluorometric determination of anisulpride and bumidazone in raw materilas and tablets**” Luminescence, 29(2014)1202-1205

Recognitions:

- Mansoura University Prize for Encouragement of Science 2006, Egypt.
- Marquis who's who editors, 2006.
- Silver Medal sponsored by the Egyptian syndicate of pharmacists ١٩٩٥, Egypt.
- Membership of the famous Egyptian Biographical reference 1990, Egypt.