
CURRICULUM VITAE



Name : Prof. Dr. Mohamed Abdel-Tawab Korany

Birth Date : 24.9.1946

Birth Place : Behaira, Egypt

Marital Status : Married (son, two daughters)

Foreign Language: English and German

Present Profession: Emeritus Professor, department of pharmaceutical analytical chemistry, Faculty of pharmacy, University of Alexandria, EGYPT

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Scientific Degrees :

- 1- B. Sc. of Pharmacy and Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, June 1968, Very Good with honor.
- 2- M. Pharm. of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, July 1971.
- 3- Ph. D. of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, University of Alexandria, July, 1974.

Professional Carrier :

- 1- Dec. 1968 - Sep. 1974 :
Instructor, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy, University of Alexandria.
- 2- Sep. 1974 - Nov. 1979 :

Lecturer, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy,
University of Alexandria.

3- Nov. 1979 - Feb. 1980 :
Assistant Professor, Dept. of Pharm. Anal. Chem., Faculty of
Pharmacy, University of Alexandria.

4-Feb. 1980 - Jan. 1982 :
Alexander Von Humboldt Research fellow, Pharmazeutischen
Institut der Universitat Kiel, Germany. The fellowship include
four months German language course by Goethe-Institute,
Gottengen, W. Germany.

5-Jan. 1982 - Feb. 1985 :
Assistant Professor, Dept. of Pharm. Anal. Chem., Faculty of
Pharmacy, University of Alexandria.

6- Feb. 1985 - Oct. 1988 :
Professor, Dept. of Pharm. Anal. Chem., Faculty of
Pharmacy, University of Alexandria.

7- Oct. 1988 - July 1992 :
Visiting Professor, Dept. of Pharm. Chem., Faculty of
Pharmacy, Beirut Arab University, Beirut, Lebanon.

8- July 1993 - Sept. 1997 :
Professor, Dept. of Pharm. Anal. Chem., Faculty of Pharmacy,
University of Alexandria.

9- Oct. 1997 - July 2001 :
Visiting Professor, Dept. of Pharmaceutical Chemistry,
Faculty of Pharmacy, Beirut Arab University, Beirut,
Lebanon.

10- July 2001 - Nov. 2003
Head of Department of Pharmaceutical Analytical Chemistry,
Faculty of Pharmacy, University of Alexandria.

11- Nov., 2003 – July, 2007
Vice dean for postgraduate studies and research, Faculty of

Pharmacy, University of Alexandria.

12- Sept. 2009 up till now:

-Chairman of the promotion scientific committee for professor and assistant professor jobs of Pharmaceutical Chemistry and Biochemistry. مقرر اللجنة العلمية للكيمياء الصيدلانية والكيمياء الحيوية (الدورة العاشرة)

Scientific and professional activity :

1- Courses taught for under graduate students :

- Qualitative inorganic Analytical Chemistry.
- Quantitative Analytical Chemistry.
- Instrumental Analysis.
- Applied Analytical Chemistry (water, lipid and milk analyses)
- Pharmaceutical Analysis.

2- Courses taught for post graduate students :

- Advanced instrumental analysis.
- Statistics and chemometry.
- Drug Quality Control and Drug Quality Assurance.
- Functional group analysis.
- Computer aided analytical methods.

3- Publications : **93** scientific research papers are published in an international journals in the field of drug analysis.

4- Supervision of scientific theses : **13** Master theses and **5** Ph. D. Theses.

5- Awards :

-Award of Alexandria University for Scientific Encouragement, 1984.(جائزة الجامعة التشجيعية)

- General Alexandria University Award, 2009 جائزة الجامعة التقديرية
- Acidima prize for the best research article in Arab World, 2010.

جائزة أكديما لأفضل بحث علمي لسنة 2010 مناصفة.

6- **Projects:** principal investigator for HEEPF Project (B-003-H0) carried out in the department of pharmaceutical analytical chemistry department with a Title : Development and application of advanced instrumental analysis and drug quality control curriculum (DAQC) , duration: 2004 – 2006.

Consultation :

- 1- **Consultant** of Alexandria Pharmaceutical and Chemical Industries for Control and Research Department.
- 2- **Consultant** of PHARCO Pharmaceutical Corporation, for Control and Research Departments.
- 3- **Member** of Scientific Council of The Drug Research Science Park ,Faculty of Pharmacy, University of Alexandria.
- 4- **General Supervisor** of Central Lab., Faculty of Pharmacy, University of Alexandria.

SUPERVISED SCIENTIFIC THESES

A- MASTER THESES :

- 1- “The spectrophotometric determination of certain pharmaceutical compounds in eye and nasal drops”, Fawzy El-Yazbi, 1977.
- 2- “The analysis of some acidic pharmaceutical compounds in their preparations”, Mohamed H. Abdel-Hay, 1978.
- 3- “Determination of some organic bases in their pharmaceutical preparations”, Ismail Hewala, 1982.
- 4- “Use of derivative curves of absorption spectra in analysis of certain pharmaceutical compounds”, Samira Mandour, 1983.
- 5- “Use of electron-transfer reaction for derivitization and analysis of some nitrogenous basis”, Shereen M. Galal, 1984.
- 6- “Use of derivative spectrophotometry in the analysis of certain hormones”, Omayma Abdel-Razak, 1986.
- 7- “Development of assays of certain tranquilizers through utilization of derivative spectrophotometry”, Heba Abdine, 1989.
- 8- “Assay of certain drugs having diaza five membered skeleton and their mixtures”, Osama Fahmy, 1989.
- 9- “Analysis of certain drugs in multicomponent formulations”, Alaa Abdel-Raouf El-Gindy, 1990.
- 10- “Application of certain reactions to the assay of some carboxylic acids and their derivatives in pharmaceutical preparations”, Azza Gazy, 1990.
- 11- “Analysis of certain benzenoid compounds in their pharmaceutical preparations”, Rim Said Mahmoud Haggag, 1996.

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- 12- "Analysis of certain anticancer drugs in their pharmaceutical preparation and biological fluids", Hadir M. Maher, 2003.
 - 13- "Stability indicating methods for the determination of some lipid regulating drugs", Karim M. Hafez, 2005.

B- Ph. D. THESES :

- 1- "Comparative study of the different methods used for the analysis of certain pharmaceutical compounds containing phenolic or amino groups", Mohamed H. Abdel-Hay, 1981.
- 2- "Assay of antipyretics, analgesics and hypnotics in changeable matrices", Hoda Mahgoub A. Nagy, 1987.
- 3- "Assay of certain antibiotics in the presence of their degradation products in different dosage forms", Shereen Galal, 1988.
- 4- "Analysis of some cough-cold preparations using modern spectroscopic and chromatographic techniques", Hadir M. Maher, 2005.
- 5- Analysis of some pharmaceutical matrices using emerging techniques, Marawa Adel, 2010

LIST OF PUBLICATIONS

- 1- Application of orthogonal functions to spectrophotometric analysis of weakly absorbing compounds in tablets,
J. Pharm. Pharmac., **23**, 444 (1971),
H. Abdine, A.M. Wahbi and **M.A. Korany**.
- 2- Application of orthogonal functions to spectrophotometric analysis: Δp_j method,
J. Pharm. Pharmac., **24**, 518 (1972),
A.M. Wahbi and **M.A. Korany**.
- 3- Application of orthogonal functions to spectrophotometric analysis of naphazoline,
J. Pharm. Pharmac., **24**, 522 (1972),
A.M. Wahbi and **M.A. Korany**.
- 4- The use of Fourier functions to eliminate interferences in spectrophotometric analysis (Theory and Application),
Pharmazie, **33**, 278 (1978),
A.M. Wahbi, H. Abdine and **M.A. Korany**.
- 5- Spectrophotometric determination of some oestrogens using sodium hexanitritocobaltate (III),
Analyst, **102**, 683 (1977),
M.A. Korany, M. Abdel-Salam and A.M. Wahbi.
- 6- Colorimetric determination of acetaminophen using sodium cobaltinitrite,
Egypt. J. Pharm. Sci., **18**, 29 (1977),
M. Andel-Salam and **M.A. Korany**.
- 7- Spectrophotometric analysis of binary mixtures of antazoline and naphazoline,
J. Pharm. Sci., **67**, 140 (1978),
A.M. Wahbi, H. Abdine, **M.A. Korany** and F.A. El-Yazbi.

-
- 8- Colorimetric determination of frusemide using phenothiazine,
J. Assoc. Off. Anal. Chem, **61**, 169 (1978),
M.A. Korany, N. Abdel-Salam and M. Abdel-Salam.
 - 9- Basic fuchsin as an ion-pairing reagent for some acidic drugs,
Analyst, London, **103**, 876 (1978),
A.M. Wahbi, H. Abdine, **M.A. Korany** and M.H. Abdel-Hay.
 - 10- Sodium cobaltinitrite as a reagent for determining some phenolic
drugs,
J. Assoc. Off. Anal. Chem., **61**, 1113 (1978),
A.M. Wahbi, H. Abdine, **M.A. Korany** and M.H. Abdel-Hay.
 - 11- Spectrophotometric analysis of binary mixtures of sulfonamides,
J. Assoc. Off. Anal. Chem., **62**, 67 (1979),
A.M. Wahbi, H. Abdine, **M.A. Korany** and F.A. El-Yazbi.
 - 12- Spectrophotometric determination of chloramphenicol-sulphaceta-
mide in eye drops,
Pharmazie, **33**, 721 (1978),
A.M. Wahbi, H. Abdine, **M.A. Korany** and F.A. El-Yazbi.
 - 13- Spectrophotometric determination of isoprenaline sulphate and
methyldopa using chloranil,
Analyst, London, **104**, 146 (1979),
M.A. Korany and A.M. Wahbi.
 - 14- Colorimetric determination of some sulphonamides with pheno-
thiazine,
Talanta, **26**, 1046 (1979),
H. Abdine, **M.A. Korany**, A.M. Wahbi and F.A. El-Yazbi.
 - 15- Colorimetric determination of frusemide using phenothiazine,
J. Drug Res. Egypt., **12**, 37 (1980),
H. Abdine, **M.A. Korany**, A.M. Wahbi and F.A. El-Yazbi.

-
- 16- Colorimetric and spectrophotometric determinations of hydrastis alkaloids in pharmaceutical preparations,
J. Pharm. Sci., **69**, 597 (1980),
Sawsan El-Masry, **M.A. Korany** and Amina H. Abo-Donia.
 - 17- Colorimetric determination of p-aminophenol in the presence of paracetamol with 3-cyano-N-methoxypyridinium perchlorate,
Talanta, **29**, 332 (1982),
M.A. Korany, D. Heber and J. Schenekenburger.
 - 18- Spectrophotometric determination of oxazepam and dipyridamole in two-component mixtures,
J. Assoc. Off. Anal. Chem., **65**, 144 (1982),
M.A. Korany and R. Haller.
 - 19- Determination of some β -adrenergic blocking drugs by differential pulse polarography,
Fresenius Z. Anal. Chem., **314**, 678 (1983),
M.A. Korany and H. Riedel.
 - 20- High pressure liquid chromatographic determination of trimterene, hydrochlorthiazide and major related impurities in tablets,
Sci. Pharm., **51**, 291 (1983),
M.A. Korany and H.-J. Franzky.
 - 21- Spectrophotometric and fluorometric determination of lycorine in Amaryllidaceae species,
Acta Pharm. Jugosl., **33**, 143 (1983),
A. Seif El-Din, **M.A. Korany**, A. ABou-Donia and N.N. Sabry.
 - 22- Application of second derivative ultraviolet spectrometry Part II: Determination of cinnamic aldehyde and carvone in volatile oils,
Anal. Letters, **16(B12)**, 891 (1983),
A.A. Seif El-Din, **M.A. Korany** and N. Abdel-Salam.

-
- 23- Determination of procaine hydrochloride and benzocaine in the presence of 4-aminobenzoic acid using first derivative spectrophotometry,
Arch. Pharm. Chem., Sci. Ed., Denmark, **12**, 26 (1984),
M.A. Korany, A.M. Wahbi and I.I. Hewala.
- 24- First derivative spectrophotometric determination of strychnine and brucine in nux vomica liquid extract,
J. Assoc. Off. Anal. Chem., **67**, 138 (1984),
M.A. Korany and A.A. Seif El-Din.
- 25- Application of second derivative ultraviolet spectrometry Part III : Determination of eugenol, thymol and anethole in volatile oils,
Anal. Letters, **17(A6)**, 483 (1984),
M.A. Korany, A.A. Seif El-Din and N.N. Abdel-Salam.
- 26- A simple fluoremetric method for the determination of salicylic acid in aluminium acetylsalicylate,
J. Pharm. Weekblad, **6**, 118 (1984),
A.M. Wahbi, M.H.. Barary and **M.A. Korany**.
- 27- Application of first derivative spectrophotometry to the determination of certain drugs in single component dosage forms,
IL Farmaco Ed. Pr., **39**, 243 (1984),
M.A. Korany, A.M. Wahbi, M.A. Elsayed and S. Mandour.
- 28- First derivative spectrophotometric determination of certain drugs in two-component mixtures,
Anal. Letters, **17(B12)**, 1373 (1984),
M.A. Korany, A.M. Wahbi, M.A. Elsayed and S. Mandour.
- 29- p-Benzoquinone as a reagent for determining some catecholamides,
J. Pharm. Biomed. Analysis, **2**, 537 (1984),
M.A. Korany, A.M. Wahbi and M.H. Abdel-Hay.
- 30- Spectrophotometric determination of chlordiazepoxide and diazepam using orthogonal polynomials,
Analyst, London, **109**, 1423 (1984),
Mona Bedair, **M.A. Korany** and M.E. Abdel-Hamid.

-
- 31- Fluorometric and colorimetric determination of bamipine hydrochloride and its tablets,
Pharmazie, **39**, 706 (1984),
M.H. Barary, M.E. Abdel-Hamid and **M.A. Korany**.
- 32- Spectrophotometric, fluorometric and colorimetric determination of terbutaline sulfate and orciprenaline sulfate,
IL Farmaco Ed. Pr., **40**, 50-57 (1985),
F.A. El-Yazbi, M.H. Abdel-Hay and **M.A. Korany**.
- 33- Determination of certain drugs in multicomponent formulations by first derivative ultraviolet spectrophotometry,
Anal. Letters, **18(1B)**, 21-34 (1985),
M.A. Korany, A.M. Wahbi, S. Mandour and M.A. Elsayed.
- 34- Colorimetric determination of carazolol and pindolol using 3-methyl-2-benzothiazolone hydrazone hydrochloride,
Indian J. Pharm. Sci., **46**, 183 (1984),
F.A. El-Yazbi, **M.A. Korany** and M.H. Abdel-Hay.
- 35- First derivative spectrophotometric and colorimetric determination of loperamide hydrochloride in capsules,
Private communication (1984),
M.A. Korany, M.A. Barary, A.M. Helal and S. Girgis.
- 36- Spectroscopic investigation of the antazoline-p-chloranilic acid reaction product,
Spectroscopy Letters, **17**, 803-818 (1984).
M.A. Elsayed, M.E. Abdel-Hamid, **M.A. Korany**, M.M. Abdel-Hay and Shereen M. Galal.
- 37- Determination of some 1,4-benzodiazepines by second derivative spectrophotometry,
Acta Pharm. Jugosi., **34**, 183 (1984).
M. Abdel-Hamid, **M.A. Korany** and Mona Bedair.
- 38- Identification of some β -adrenergic blockers,
Pharmazie, **40**, 494-495 (1985),
M.E. Abdel-Hamid, M. Bedair and **M.A. Korany**.
- 39- First derivative spectrophotometric determination of pyridozine

-
- and meclozine in two-component mixture,
Sci. Pharm., Austria, **53**, 105 (1985),
M.E. Abdel-Hamid, M.H. Barary, **M.A. Korany** and E.M., Hassan.
- 40- Spectrophotometric determination of some 1,4-benzodiazepines using orthogonal polynomials,
Pharmazie, **41**, 639-462 (1986),
F.A. El-Yazbi, M.H. Abdel-Hay and **M.A. Korany**.
- 41- Colorimetric determination of some β -adenergic blocking drugs in tablets,
J. Pharm. Belg., **40**, 178-184 (1984),
M.A. Korany, M.H. Abdel-Hay, Shereen M. Galal and M.A. Elsayed.
- 42- Application of orthogonal functions in spectrofluoremetric analysis,
Spectroscopy Letters, **18**, 543-553 (1985),
F.A. El-Yazbi and **M.A. Korany**.
- 43- A sensitive colorimetric method for the determination of imipramine hydrochloride and desipraminehydrochloride,
J. Clinical and Hospital Pharmacy, **10**, 373-379 (1985),
F.A. El-Yazbi, **M.A. Korany** and M. Bedair.
- 44- Application of derivative-differential UV-spectrometry to the determination of oxazepam or phenobarbitone in presence of dipyridamole,
J. Pharm. Belg., **40**, 244-248 (1985),
F.A. El-Yazbi, **M.A. Korany** and M. Bedair.
- 45- Determination of ethinyloestradiol in the presence of norethis-terone by derivative-difference spectrophotometry,
Phar. Weekblad, **7**, 163-166 (1985),
M.A. Korany, F.A. El-Yazbi, O. Abdel-Razak and M.A. Elsayed.

-
- 46- Use of orthogonal polynomials for unequal intervals to eliminate interferences in spectrophotometric analysis. Simultaneous determination of ephedrine hydrochloride and diphenhydramine hydrochloride in two-component mixtures,
Analyst (London), **111**, 41-44 (1986),
M.A. Korany, M. Bedair, and F.A. El-Yazbi.
- 47- Derivative spectrophotometric analysis of oestradiol esters, testosterone and progesterone in oily injectins,
Anal. Letters, USA, **18(B17)**, 2127-2142 (1985),
F.A. El-Yazbi, **M.A. Korany**, O. Abdel-Razak and M.A. Elsayed.
- 48- Spectrophotometric and fluorometric determination of clonidine-hydrochloride,
The Analyst (London), **111**, 447 (1986),
F.A. El-Yazbi, M. Bedair and **M.A. Korany**.
- 49- UV-derivative spectrophotometric determination of hydralazine hydrochloride in combination with hydrochlorothiazide or propranolol hydrochloride,
Sci. Pharm., **54**, 31-36 (1986),
Mona A. Bedair, **M.A. Korany** and F.A. El-Yazbi.
- 50- Second derivative spectrophotometric determination of acetaminophen and phenacetin in presence of their degradation products,
J. Assoc. Off. Anal. Chem., **69**, 608-612 (1986),
M.A. Korany, Mona A. Bedair, Hoda Mahgoub and M.A. Elsayed.
- 51- Derivative spectrophotometric determination of some corticosteroids in combinations with other drugs,
J. Assoc. Off. Anal. Chem., **69**, 614-618 (1986),
Fawzy A. El-Yazbi, **M.A. Korany**, Omayma Abdel-Razak and M.A. Elsayed.
- 52- First derivative spectrophotometric determination of quinine-quinidine in cinchona liquid extract,
J. Pharm. Belg., **41**, 222-225 (1986),
N.A. El-Sebakhy, A.A. Seif El-Din and **M.A. Korany**.

-
- 53- Application of first derivative UV spectrophotometry to the analysis of some corticosteroids,
Alex. J. Pharm. Sci., Egypt, 1, 1-4 (1987),
F.A. El-Yazbi, **M.A. Korany**, Omayma Abdel-Razak and M.A. Elsayed.
- 54- p-Chloranilic acid as a reagent for determining some nitrogenous basic compounds,
Alex. J. Pharm. Sci., Egypt, 1, 11-15 (1987),
M.H. Abdel-Hay, **M.A. Korany**, Sheeren M. Galal and M.A. Elsayed.
- 55- Derivative spectrophotometric determination of clemastine fumarate in pharmaceutical preparations,
Analyst (London), 113, 1137-1138 (1988),
Mona M. Bedair, **M.A. Korany** and Ahmed S. Issa.
- 56- Determination of noscapine, chlorpheniramine maleate, phenylpropranolamine hydrochloride and phenylephrine hydrochloride in a cough mixture,
Alex. J. Pharm. Sci., Egypt, 2, 135 (1988),
Mohamed M. Abdel-Hay, Fawzy El-Yazbi and **M.A. Korany**.
- 57- Derivative spectrophotometric determination of mixtures of sex hormones in oily injections,
Alex., J. Pharm. Sci., Egypt, 2, 160 (1988); Fawzy A. El-Yazbi, **M.A. Korany**, Omayia Abdel-Razak and M.A. Elsayed.
- 58- Utility of derivative spectrophotometry for the determination of certain cephalosporins and their alkali-induced degradation products in combination,
Anal. Letters, 22, 141-157 (1989),
M.A. Korany, M.A. Elsayed and S.M. Galal.
- 59- Use of second derivative spectrophotometry for the determination of certain cephalosporins and their acid-induced degradation products in combination,
Anal. Letters, 22, 159-175 (1989),
M.A. Korany, M.A. Elsayed and S.M. Galal.
- 60- Utility of the least squares method in the PMR spectrometric assay

-
- of chloramphenicol and streptomycin with their degradation products,
Spectroscopy Letters, **22**, 239-267 (1989),
M.A. Elsayed, **M.A. Korany**, N.S. Habib and S.M. Galal.
- 61- Derivative spectrophotometric determination of clotrimazole in single formulations and in combination with other drugs,
J. Assoc. Off. Anal. Chem., **72**, 429 (1989),
Mona M. Bedair, **M.A. Korany**, M.A. Elsayed and O.T. Fahmy.
- 62- Colourimetric determination of pharmaceutical thiocompounds and allopurinol using mercurochrome,
Anal. Letters, **22**, 1909-1925 (1989),
M.A. Korany, M.M. Bedair, M.A. Elsayed and O.T. Fahmy.
- 63- Analysis of diphenhydramine hydrochloride and naphazoline hydrochloride in presence of methylene blue in eye drops by second derivative spectrophotometry,
Drug Development and Industrial Pharmacy, **16**, 1555-1564 (1990)
M.A. Korany, Mona M. Bedair and A.A. El-Gendy.
- 64- Colorimetric determination of some penicillins and cephalosporins with 2-nitrophenylhydrazine hydrochloride,
Talanta, **12**, 1253-1257 (1989),
M.A. Korany, M.H. Abdel-Hay, M.M. Bedair and Azza A. Gazy.
- 65- Computer-assisted spectrophotometric method for the assay of acetaminophen and phenacetin in the presence of their degradation products using combined orthogonal polynomials,
Drug Development and Industrial Pharmacy, **16**, 1011-1024 (1990)
M.A. Elsayed, **M.A. Korany**, M.A. Bedair, H. Mahgoub and Ezzat A. Korany.
- 66- Fluorescence quenching method for the assay of three cephalosporins using the combined trigonometric function of Fourier series,
Spectroscopy Letters, **22**, 619-639 (1989),
M.A. Korany, M.A. Elsayed and S. Galal.
- 67- Computer-Assisted spectrophotometry : Multicomponent analysis

-
- with a discrete Fourier transform,
Talanta, **37**, 1183-1188 (1990),
M.A. Korany, M.A. Elsayed, M.M. Bedair, H. Mahgoub and E.A. Korany.
- 68- Determination of chlorpheniramine maleate, dihydrocodeine in cough mixture by derivative and differential spectrometry,
J. Pharm. Belg., **45**, 252-258 (1990),
M.A. Korany, M.M. Bedair and A. El-Gindy.
- 69- Derivative spectrophotometric determination of some tranquilizer antidepressant mixtures,
Spectroscopy Letters, **24**, 437,449 (1991),
F.A. El-Yazbi, **M.A. Korany**, H.H. Abdine and M.A. Elsayed.
- 70- Derivative spectrophotometric determination of glibenclamide, mebeverine hydrochloride and clopamide in the presence of their alkaline-induced degradation products,
Analyst London, **115**, 449-453 (1990),
M.A. Korany, M.A. Abdel-Hay and A.A. Gazy.
- 71- Computer assisted spectrophotometric analysis of three component mixtures (caffeine mixtures and Codeine mixtures),
Anal. Letters, **25**, 239-252 (1992), M.A. Elsayed, **M.A. Korany**, M.M. Bedair, H. Mahgoub and E.A. Korany.
- 72- Isocratic reversed-phase separation and determination of phenobarbiton, methylphenobarbitone and phenytoin in tablets by high performance liquid chromatography;
Drug Development and Industrial Pharmacy, **17**, 2115-2228 (1991),
A.M. El Walily, **M.A. Korany**, M.M. Bedair and A. El-Gindy.
- 73- High performance liquid chromatography determination of benzocaine and phenindamine tartrate in pharmaceutical cream,
Anal. Letters, **24**, 781-795 (1991),
A.M. El Walily, **M.A. Korany**, M.M. Bedair and A. El-Gindy.
- 74- Spectrophotometric assay of fluphenazine HCl-Nortriptyline HCl mixture in tablets using Fourier function method,
Anal. Letters, **24**, 1797-1811(1991),

-
- H. Mahgoub, **M.A. Korany**, H. Abdine and M.A. Elsayed.
- 75- Stability indicating first derivative spectrophotometric assay for nifedipine in its pharmaceutical preparations on a diode array *spectrophotometer*, *Anal. Letters*, **25**, 81-98 (1992),
A.M. El Walily, **M.A. Korany**, F.M. ElAnwar and S.M. Zamel.
- 76- Spectrophotometric determination of cimetidine in the presence of its acid-induced degradation products,
J. Pharm. Biomed. Anal., **9**, 291-296 (1991),
M.M. Elsayed, **M.A. Korany** and O.T. Fahmy.
- 77- Spectrophotometric determination of atropine sulphate and nystatin in presence of other drugs using orthogonal polynomials for unequal intervals,
Pharmazie, **46**, 883-884(1991),
M.A. Korany and H. Mahgoub.
- 78- Use of Fourier functions in the differential spectrometric assay of three tranquilizers : The Δt_j method,
Acta Pharm.Jugs., **42**, 37-45 (1992),
M.A. Korany, H. Mahgoub, H. Abdne and M.A. Elsayed.
- 79- Assay for amoxicillin in urine using derivative spectrophotometry,
J. Clin. Pharm. And Therap. **17**, 101-105 (1992),
A.M. El Walily, M.A. Elsayed, **M.A. Korany** and S.M. Galal.
- 80- Spectrofluorimetric determination of three pharmaceutical thio-compounds and allopurinol using mercurochrome,
Spectroscopy Letters, **23**, 161-173 (1990),
M.M. Bedair, **M.A. Korany**, M.A. Elsayed and O.T. Fahmy.
- 81- Colorimetric determination of seven nonsteroidal anti-inflammatory drugs using 2-nitrophenylhydrazine hydrochloride,
Anal. Letters, **23**, 281-294 (1990),
M.H. Abdel-Hay, **M.A. Korany**, M.M. Bedair and A.A. Gazy.
- 82- Spectrophotometric and spectrofluorometric determination of prazosin,
Saudi Pharmaceutical Journal, **3**, 192-195 (1995),
Heba H. Abdine, Abdel Fattah M. El-Walily and **M.A. Korany**.

-
- 83- Spectrophotometric determination of acrivastine in urine and capsules,
Talanta, **43**, 1643-1648 (1996),
Heba H. Abdine, Azza A. Gazy, Salah M. Belaih and **M.A. Korany**.
- 84- A generalized algorithm for generation of orthogonal polynomials for equal and unequal intervals and its use for analytical spectrometric methods,
Alexandria Engineering Journal, Egypt, **35**, B63-B71 (1996),
Ezzat A. Korany, **M.A. Korany**, F.A. El-Yazbi and Salah M. Belaih.
- 85- The use of Fourier Descriptors for the spectrophotometric identification of substances : Identification of some benzenoid compounds,
Anal. Letters, **31**, 1387-1406 (1998),
Ezzat A. Korany, **M.A. Korany**, Mona A. Bedair, Ismail I. Hewala and Reem S. Haggag.
- 86- Extraction spectrophotometric determination of phenytoin in capsules using potassium permanganate/dicyclohexano-24-crown-8.
Talanta, **46**, 9-14 (1998),
M.A. Korany, Mona M. Bedair and Reem S. Haggag.
- 87- First derivative spectrophotometric and high-performance liquid chromatographic determination of cinchocaine hydrochloride in presence of its degradation products,
A. El-Gindy, **M. A. Korany**.
J. Pharm. Biomed. Anal., **17**, 1357-1370 (1998),

-
- 88- Spectrophotometric and high performance liquid chromatography determination of cetirizine dehydrochloride in pharmaceutical tablets,
A.F. El-Walily, **M.A. Korany**, A. El-Gindy and M.M. Bedair,
J. Pharm. Biomed. Anal., **17**, 435-442 (1998).
- 89- High performance liquid chromatographic determination of some co-administered anticancer drugs in pharmaceutical preparations and in spiked plasma,
O.T. Fahmy, **M.A. Korany** and Hadir M. Maher,
J. Pharm. Biomed. Anal., **34**, 1099-1107 (2004).
- 90- Non-parametric linear regression of discrete Fourier transform convoluted chromatographic peak responses in non-ideal conditions :
M. A. Korany, Ossama T. Fahmy, Hoda Mahgoub
and Hadir M. Maher, *Talanta*, **66**, 1073-1087 (2005).
- 91- Spectrophotometric determination of doxorubicin hydrochloride in Vials and in presence of its acid induced degradation products.
M. A. Korany, O. T. Fahmy and H. M. Maher, *Bull. Fac. Pharm. Cairo Univ.*, **42**, 385- 396 (2004).
- 92- Non-parametric linear regression of discrete Fourier transform convoluted densitometric peak responses, *J. Pharm. Biomed. Anal.*, **M. A. Korany**, I. I. Hewala, K. M. Hafez, **40**, 1048-1056 (2006)
93. Determination of etofibrate, fenofibrate and atrovastatin in pharmaceutical preparations and plasma using different pulse polarographic and square wave voltammetric techniques, *JAOAC*, **91**, 2008, 1051; **M. A. Korany**, I.I Hewala & K. M. Hafez.
- 94- Non-parametric linear regression of discrete Fourier transform Convoluted chromatographic peak responses under non- ideal Conditions of internal standard method.
M. A. Korany, Hadir M. Maher, Shereen M. Galal , Ossama T. Fahmy, Marwa A. A. Ragab.
Talanta , **83**, 93-109 (2010)
- 95- Development and optimization of capillary electrophoresis technique for simultaneous determination of miconazole nitrate and hydrocortisone acetate in creams.

M. A. Korany, Hadir M. Maher, Shereen M. Galal and Marwa A.A. Ragab,.

Journal of AOAC International, Vol. 96, No. 6, 2013

96- Kinetic Investigation of Pentoxifylline Based on Non-Parametric Linear Regression of Derivative and Convolute Derivative Chromatographic and Spectrophotometric Responses.

Mohamed A. Korany, Rim S. Haggag, Marwa A.A. Ragab, Osama A. Elmallah, **J. Liq. Chromatogr. Relat. Technol** **36**:2044–2058, **2013**

97- Comparative study of some robust statistical methods: weighted, parametric & non parametric linear regression of HPLC convoluted peak responses using internal standard method in drug bioavailability studies.

Mohamed A. Korany , Hadir M. Maher , Shereen M. Galal , Marwa A.A. Ragab. *Anal. Bioanal Chem*, 405 (14), 4835–4848, (2013).

98-Application of artificial neural networks for response surface modeling in HPLC method development). **Mohamed A. Korany**, Ossama T. Fahmy, Hoda Mahgoub, Hadir M. Maher. *Journal of Advanced Research*, **3** (2012)53-63

99-High performance liquid chromatographic determination of some guaiphenesin-containing cough-cold preparations by **Mohamed A. Korany**, Ossama T. Fahmy, Hoda Mahgoub, Hadir M. Maher. *Journal of Advanced Research*, **Volume 2, issue 2 (April, 2011), p. 121-130.**

99- Kinetic spectrophotometric methods for the determination of artificial sweetener (Sucralose) in tablets,

Rasha M. Youssef, **Mohamed A. Korany**, Essam F. Khamis, Hoda Mahgoub, and Miranda F. Kamal, **Drug Testing and Analysis** **Volume 3, Issue 4, pages 214–220, April 2011.**

100-Development and Validation of Spectrophotometric and HPTLC Methods for Simultaneous Determination of Rosiglitazone maleate and Metformin hydrochloride in the Presence of Interfering Matrix Excipients, Hoda Mahgoub. Rasha M. Youssef, **Mohamed A. Korany**, Essam F. Khamis^b and Miranda F. Kamal **Drug development and Industrial Pharmacy, Accepted for publication, 2013.**

101- Development and validation of an HPLC method for simultaneous determination of ciprofloxacin hydrochloride and hydrocortisone in otic drops. , **Mohamed A. Korany**, Mona M. A. Bedair, Azza A. M. Gazy and Omar. F. Ibrahim., **Mansoura J. Pharm. Sci., Egypt**, Accepted for Publication, **2013**.

102.A validated stability indicating DAD–HPLC method for determination of pentoxifylline in presence of its pharmacopeial related substances: **Mohamed A. Korany** , Rim S. Haggag , **Marwa A.A. Ragab** , Osama A. Elmallah, **Bulletin of Faculty of Pharmacy, Cairo University (2013) 51, 211–219.**

103-Liquid Chromatographic: Determination of Amikacin Sulphate after Pre-Column Derivatization:**Mohamed A. Korany**, Rim Said Haggag, **Marwa Adel Ragab** and Osama Ahmed Elmallah: **Journal of Chromatographic Science, (2014) Volume 52, Issue 8, Pp. 837-**

104-DISCRETE FOURIER TRANSFORM CONVOLUTED DENSITOMETRIC PEAK RESPONSES FOR THE DETERMINATION OF METHOCARBAMOL IN DIFFERENT PHARMACEUTICAL MIXTURES IN THE PRESENCE OF ITS DEGRADATION PRODUCT **M. A. A. Ragab**, **M. A. Korany**, K. Michail, A. E. Issa, H. M. Daabees and D. S. Elkafrawy **Journal of Liquid Chromatography & Related Technologies, 37:1999–2020, 2014**

105- Static head space gas chromatographic method for the determination of residual solvents in cephalosporins, Mohamed Gad, Hala Zaazaa. Swasan Amer and **Mohamed A. Korany**, **RSC Adv. 2015, 5, 17150-17159.**

106. Application of derivative spectrophotometry under orthogonal polynomial at unequal intervals: Determination of metronidazole and nystatin in their pharmaceutical mixture; **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 143 (2015) 281–287; Mohamed A. Korany**, Heba H. Abdine, Marwa A.A. Ragab, Sara I. Aboras

107. Derivative-Fourier transforms-polynomial fit: a coupling of interest in common non-ideal cases arises during trace metal analysis using graphite furnace atomic absorption spectrometry; **RSC Adv. ,**

5, 47866–47875, (2015); **Mohamed A. Korany**, Hesham. Z. Ibrahim, Marwa A. A. Ragab, Mervat A. Abdel- Kawi and Abd El Aal A. A. Sayed.

108. Experimental design and machine learning strategies for parameters screening and optimization of Hantzsch condensation reaction for the assay of sodium alendronate in oral solution; **RSC Adv.**, 2015, 5, 6385–6394; **Mohamed A. Korany**, Marwa A. A. Ragab, Rasha M. Youssef and Mostafa A. Afify.

109- Development of a stability indicating HPLC-DAD method for the simultaneous determination of mometsone and salicylic acid in an ointment matrix, **Anal. Methods**, 2014, 6, 3410-3419; Rasha Youssef, **Mohamed A. Korany &** Mostafa A. Afify.

110- Microspectrometric determination of sibutramine in an adulterated slimming formulation: **Anal. Methods**, 2014, 6, 3395-3400 Rasha M. Youssef, Essam F. Khamis, Mohamed A. Korany, Hoda Mahgoub and Miranda F. Kamal.