



STAFF RESEARCH HANDBOOK



COLLEGE OF CLINICAL PHARMACY
KING FAISAL UNIVERSITY

clinicalpharmacy@kfu.edu.sa



STAFF RESEARCH HAND BOOK

College Mission

The primary mission of the College of Clinical Pharmacy at King Faisal University is to promote comprehensive pharmaceutical care to the citizens of the Kingdom of Saudi Arabia through its fundamental commitment to education, service and research by training clinical pharmacy professionals. This is to be achieved through a dynamic, challenging and comprehensive curriculum leading to a Doctor of Pharmacy (Pharm. D.) degree. Focused on the future it is envisaged that the Pharm. D. graduates will be potential leaders in the profession and will be competent in providing quality and cost-effective pharmaceutical care and pharmacy services all over the Kingdom. Consistent with the King Faisal University tradition, the College would bring together dedicated faculty and competent students in a supportive teaching and learning atmosphere that encourages continuous intellectual and personal development. The College is also committed to provide specialized post-graduate programs in different branches of Clinical Pharmacy and encourage research in basic and applied Pharmaceutical sciences. It will promote innovative educational strategies relevant to the region and be socially responsible and accountable to the society.

CONTENTS

Pharmaceutical sciences	2
Biomedical sciences	24
Pharmacy practice	30
Analytical Instruments	35

College Vision

The College of Clinical Pharmacy in King Faisal University to be recognized nationally and internationally for its innovative approach in the field of Clinical Pharmacy Education, excellence in Pharmacy services, Clinical Pharmacy, Research and Social Commitments.

**COLLEGE OF CLINICAL PHARMACY
KING FAISAL UNIVERSITY**



Dr. Mohammed. S. Al Wesali, Dean

Committee of Research, Labs and Books



Dr. Kamel A. Metwally



Dr. Sherif W. Mansour



Dr. Hafez R. Madkour



Dr. Sahibzada T. Rasool



Dr. Mahesh Attimarad



Room Location : College of
Clinical Pharmacy,
Room No :1021
Ph.: 58000000
Extn.:1758/234
Mobile no: 501096206
Email : Ibramahmoud
@kfu.edu.sa

RESEARCH INTEREST :

- Isolation and structure-elucidation of biologically active Products.
- Development of chromatographic techniques for the separation of natural products.
- Biosynthesis of sesquiterpenes and alkaloids.

1. Dr. Ibrahim I. Mahmoud

BSc Alexandria Uni, MSc Cairo Uni, PhD Illinois Uni., USA

PROFESSOR, PHARMACOGNOSY

TEACHING EXPERIENCE : 40 years experience in Phytochemistry, pharmacognosy and biosynthesis.

PUBLISHED PAPERS : 57 publications

PUBLICATIONS :

- 1 Andras. S; Gabor.T.; Helmut. D; Hesham. S. M; Ibrahim I. M, and Hanan S; (2005), Glycosides from *Diazygothica kercheviana*, *Natural Products Research*, 20, No 1 (2006), 63-67.
- 2 Jacqueline Y. E , Catherine L., S. M; Soad M. A; Hesham, S. M.; and Ibrahim I. M, (2005) Saponins from the leaves of *Mimusopus laurifolia* family Sapotaceae, *J. Nat. Prod.* 68, 832-841.
- 3 Ibrahim I. M., El-Shazly. A., Eman G. H; and Osama B. , (2005), Morphological, Phytochemical and Biological Study of Leaves of *Casimiroa edulis* Growing in Egypt, *Bull. of Pharm. Sc., Cairo University*, 43(1), 135-154
- 4 Melek F. R; Miyasd, T; Soad M. A.,Ibrahim I. M; and Suzan A. M, (2004), Saponins and Acylated Saponins from *Diazygothica kercheviana*, *Phytochemistry*, 65, 3089-3095.
- 5 Ibrahim I. M; Elgindi M. R; and Hany G., (2004), Antioxidant, Anti-inflammatory and Analgesic activities of the chloroform extract of *Crotolaria aegyptiaca*, *Bull. of Pharm. Sc., Cairo University* 42 , 20-30.
- 6 El-Dib R; Kolodziej H; Ibrahim I. M; Sablacaurin A and B, two 19-nor-3,4-seco-lanostane type triterpenoids from *Sabal causiarum* and *Sabal blackburniana* respectively; (2004), *Phytochemistry*, 65, 1153-1157.
- 7 El-Shabrawy O. A; Abd-Elkhalik S. M.; Melek F. R; Ibrahim I. M;and M. Hetta; (2002), Biological Properties of saponin mixtures of *Oreopanax reticulata* Hort. and *Oreopanax guatemalensis* Decne.& Blanch. Family *Araliaceae*,*Egyptian, J. Biol .Med. Sci.*,9,133-139.
8. Ibrahim I. M; Moharram F. A; Marzouk M. S;Soliman H. M. and El-Dib R.; (2001), Two New flavonol Glycosides from leaves of *Koelreuteria paniculata*, *Die Pharmazie*, 56, 7-12 .
- 9 Abd-Elkhalik S. M; Miase. T; Melek F. R; El-shabrawy O. A; Ibrahim I. M; and Mina S. A; (2002),” New steroidal saponins from *Agave lophantha* Schiede and their Pharmacological Evaluation”. *Pharmazie*, 57, 212-217.

- 10 Melek F. R; Abd Al-Khalik S. M; Miase T.; S. M. Hetta; Ibrahim. I. M, (2002), New Triterpenoids Saponins from *Oreopanax guatemalensis*, *Phytochemistry*, 60,185 -195.
- 11 Ibrahim I. M; Moharram F. A; Elgindi, M. R; Marzouk M. S; Notle. J ; and Hassan A. M; (2002), Essential Oils from Two Species of *Eugenia*, *Bull.Fac.Pharm. ,Cairo University*, 242-8.
- 12 Ibrahim I. M; Elgindi M. R.; Moharram F. A; and Hassan A. M. ; (2001), Macro - and Micromorphology of the Stem and Leaves of *Eugenia jambolana*, *Azhar J. Pharm. Sci.*, 27, 255-65.
- 13 Ibrahim I. M; Moharram F. A; Marzouk M. S; Linscheid M. W and Saleh M. I., (2001), Polyphenolic constituents of *Callistemon tanceolatus* , *Phytochemistry*, 57, 494-6.
- 14 Ibrahim I. M; Marzouk M. S; Moharram F. A; El-Gindi M. R and Hassan A. m. K; (2001), New Acylated Flavonol Glycosides from *Eugenia jambolana* leaves, *Phytochemistry*, 58,1239-45.
- 15 Ibrahim I. M; Soliman H. M; Abd-Elkhalik S. M. and Eskander J. Y ;(2001) Macro- and Micromorphological and preliminary phytochemical investigation of Roots, Stems, and Leaves of *Altrnanthera amoena* (Lem.) Voss, *J. Pharm. Sci.*, 40(1), 119-22.
- 16 Ibrahim I. M; Soliman H. M; Moharram F. A and El-Dib R.,(2001),Macro- and Micromorphological and Preliminary Phytochemical Study of Young Stems and Leaves of *Koelreuteria paniculata* (Seem) *Az .J. Pharm. Sci*, 27, 41-55.
- 17 Ibrahim I. M; Moharram F. A; Marzouk M. S;Soliman H. M. and El-Dib R.; (2001), Two New flavonol Glycosides from leaves of *Koelreuteria paniculata*, *Die Pharmazie*, 56, 7-12 .
- 18 M. Shabana; Ibrahim I. M; M. Salama; A. Mostafa and O. Badary; (1999), Phytochemical and Biological Study of *Cassia tora* L.Growing in Egypt, *Bull. Fac .Pharm. Cairo Univ.*, 38,123-135 .
- 19 S. M. Elzalabany; Ibrahim I. M; F. I. Ahmed and N. G. Shehab (1999), .Phytochemical Investigation of *Sonchus oleraceus* L. Growing in Egypt, *Bull. Fac. Pharm. Cairo Univ.* 37, 143-148.
- 20 S. M. El-Zalabani; Ibrahim I. M; F. I. Ahmed and N. G. Shehab (1999), Macro- and Micromorphological Study of Root, Stem, and Leaf of *Sonchus oleraceus* L. Growing in Egypt, *Bull. Fac. Pharm. Cairo Univ*, 37, 79-87.
- 21 S. M .El-Zalabani; Ibrahim I. M. , F. I. Ahmed and N. G. Shehab (1999), Protein, Carbohydrate, Mineral and Vitamin Contents of *Sonchus oleraceus* Growing in Egypt *Az. J. Pharm. Sci.* 23, 46-54.
- 22 Haggag E. G; Ibrahim I. M; E. A. Abou-Mostafa and T. J. Mabry, (1999), Coumarins, Fatty acids, Volatile and Non Volatile Terpenoids from the Leaves of *Citrus aurantium* L.(Sour Orange) and *Citrus sinensis* Osbeck (Sweet Orange). *Asian Journal of Chemistry* 11, 184-9.

*Attended 30 Scientific
conferences and
personated research
papers*

Dr. Ibrahim I. Mahmoud

- 23 Haggag E. G; Ibrahim I. M. , E. A. Abou-Mostafa and T. J. Mabry. (1999), Flavonoids from the Leaves of *Citrus aurantium* (Sour Orange) and *Citrus sinensis* (Sweet Orange), *Asian Journal of chemistry*, 11, 101-6 .
24. Ibrahim I. M. and A. M.Elsayed .(1992), A Comparative Macro-and Micromorphological Study of Two *Aloesia* Species grown in Egypt. *Az. J. Nat. Prod.* 7, 150-59.
- 25 M. M. Shabana, Ibrahim I. M; M. H. Gonaïd and M. M. Salama.(1997), Macro-and Micromorphology of Root, Stem and Leaves of *Cassia tora* L.growing in Egypt, *Bull. Fac. Pharm. Cairo Univ.*, 35, 43-52.
- 26 G. M. Wasel; M. M. Shabana; N. M. Ammar; Ibrahim I. M. , S. Alokby; and M. M. Shabana. (1992), Investigation of Mucilage of *Xanthium pungens* Wallr Growing in Egypt. *Az. J. Nat. Prod.*, 7,190-6.
- 27 S. Y. Khatib ; Ibrahim I. M. and Z. A. Hassan, (1992), The Cardiovascular Effects of *Ecballium elaterium* Crude Juice on the Rabbit Isolated Heart, *Int. J. of Pharmacognosy*, 30, 110-15.
- 28 A. O. El Shabrawy; .I. Sheta ; Ibrahim I. M. and A. M.Elsayed .(1992), A Comparative Macro-and Micromorphological Study of Two *Aloesia* Species grown in Egypt. *Az. J. Nat. Prod.* 7, 150-59.
- 29 S. M. Abd El-Wahab; Ibrahim I. M and R. H. El-Sofani.(1992), Triterpenoids from the leaves of *Prunus persica* Stokes,Growing in Egypt. *Bull. Fac. Pharm. Cairo Univ.*, 30, 181-6 .
- 30 Ibrahim I. M; A. O. El-Shabrawy , S. A. El-Kashory and M.A.Ramadan, (1992), Essential Oil of *Salvia tiloba* L., *Bull. Fac. Pharm. Cairo Univ.*, 30, 145-50.
- 31 I .Sheta; Ibrahim I. M, A.O. El-Shabrawy and A.M. El-Sayed, (1992), Macro-and Micromorphological Study of the Root, Stem and Leaf of *Stachys aegyptiaca* Pers Grown in Egypt. *Bull. Fac. Pharm. Cairo Univ.*, 30, 163-70.
- 32 A. M. El-Sayed; Ibrahim I. M. and I. Sheta, (1992), Isolation of Stachysolone-13-acetate from *Stachys aegyptiaca* and assignment of its structure , *Bull. Fac. Pharm. Cairo Univ.*, 30, 153-8.
- 33 M. A. Aburjie; M. Sharaf El-Din and Ibrahim I. M. (1992), Determination of Theobromine, Theophylline and Caffeine in Various Food Products Using Derivative UV Spectrophotometric Techniques and High Performance Liquid Chromatography. *J. of Liquid Chromatography*, 15, 101-7.
- 34 Ibrahim I. M. , A. Al-Kfohi and A. Abd Elaziz, (1992), Mutagenic and Cytotoxic Activities of Several Spices and Some Jordanian medicinal plants. *Int. J. of Pharmacognosy*, 30, 1-6.
- 35 A .M. El-Shamy, Ibrahim I. M. , A. O. El-Shabrawy, M. A. Shalaby and N. A. Gouda (1991), Phytochemical and Pharmacognostical Study of *Centaurea cineraria* L. *Az. J. Nat. Prod.* 6, 17-26.
- 36 Ibrahim I. M., (1991), Sesquiterpene Lactones from *Urospermum picroids* (L.) F. W. Schmidt, *Proceeding of XXII Conference of Pharmaceutical Sciences*, 210-6.
- 37 A. S. Alkofahy, A. A. Abd Elaziz and Ibrahim, I. M., M. Aburjie, A. Hunaiti and A. El-Oqula (1990), Cytotoxicity/ Mutagenicity and Antimicrobial Activity of Fourty Jordanian Medicinal Plants, *Int. J. Crude Drug Res.* 28, 139-48.

- 38 A. S. Alkofahi, A. A. Abd El-Aziz and Ibrahim I. Mahmoud, (1989), Cytotoxicity and Mutagenicity of Al-Kohl An Eye Cosmetic Commonly used in Jordan, *J. of Clinical Pharmacy and Therapeutics*, 14, 443-7.
- 39 El-Sebai I. and Ibrahim I. M., (1987), Medicinal Plants in Arab Countries, *Medicinal Plant Congress* held in Sansepollero, Italy.
- 40 S. M. Abd El-Wahab, M. T. Abd El-Aziz, M. K. Salama, T. K. Motawi and Ibrahim I. M., (1987), Biochemical Studies of *Zizyphus lotus* L. Used in Egyptian Folk-Medicine As Antidiabetic Drug, *J. Egypt Sci. End. Met. and Diabetes*, 19, No 2, 150-6.
- 41 M. T. Abd El-Aziz, S. M. Abd El-Wahab, B. El-Kamal, T. K. Motawi, M. K. Salama, Ibrahim I. M. and A. Eid, (1987), Biochemical Studies of *Salix safsaf* F. used in Egyptian Follk-Medicine as Antidiabetic Drug, *J. Egypt Sci. Met. and Diabetes*, 19, 128-36.
- 42 S. H. Hilal, A. M. Elsayed and Ibrahim.I. M. and T. El-Kersh, (1986), Mutagenicity/ Carcinogenicity of Commercial medicinal Teas in Egypt, *Egypt J. Pharm. Sci.*, 27, 235-44.
- 43 S. H. Hilal, Ibrahim I. M., F. M. Soliman And T. El-Kersh,(1985), Quantitative Study of the Mutagenic Activity of Folkloric Egyptian Herbs, *Bull.Fac.of Pharm. Cairo Univ.*, XXIV, No I, 88-95.
- 44 S. H. Hilal, Ibrahim I. M. and A. M. El-Sayed, (1985), Macro- and Micromorphology of Stems and Leaves of *Tradescantia bracteata* small, *Bull Fac. Pharm. Cairo Univ.*, XXIV, No I, 115-22.
- 45 S. H. Hilal. and Ibrahim I. M., Phtochemical Investigation Of *Harrisnia abyssinica* Oliv., *Bull. Fac. of Pharm. Cairo Univ.*,(1985),XXIV, No I, 150-7 .
- 46 S. H. Hilal, A. M. El-Sayed and Ibrahim I. M, (1985), Isolation of a New Diterpene from *Stachys aegyptiaca*, *Bull. Fac. of Pharm. Cairo Univ.*, XXIV, No I, 170-5.
- 47 S. H. Hilal, A. M. El-Sayed and Ibrahim I. M., (1984), Notes on The Phytoconstituents of *Tradescantia bracteata* Cultivated in Egypt, *Bull.Fac.of Pharm., Cairo Univ.* ,XXIII, No I, 180-6.
- 48 S. M. Abd El-Wahab, A. A. Seida and Ibrahim I. M., (1984), Two New Sesquiterpene Lactones from Flower Heads of *Chrysanthemum anethifolium* Borus, *Bull. Fac of Pharm. Cairo Univ.*, XXIII, No. I, 96-101.
- 49 S. M.Abd El-Wahab, Ibrahim I. Mahmoud, A. A. Seida, (1984), Isolation and Characterization of the Sesquiterpene Lactones from *Ambrosia maritima* L .Herb Growing in Egypt, *Bull. Fac, of Pharm. Cairo Univ.*, XXIII, 19, 112-7.
- 50 N. V. Mody, Ibrahim, I. M., Janet finer-Moore and S. W. Pelletier, (1982), Constituents of *Juncus effuses*, The X-ray Analysis of Effusol Diacetate, *J. Nat. Prod.*, 45, 733-737.
- 51 Ibrahim I. M., A. D. Kinghorn, G. A. Cordell and N. R. Farnsworth, (1980), A Potensial Anticancer Agents XVI. Isolation of Bicycloparnesane Sesquiterpenoids from *Capsicodendron dinissi*, *J. Nat. Prod.*, 34, 365-371.
- 52 M. D. Sayed, S. M. Abd El-Wahab, A. M. El-Shamy and Ibrahim I. M., (1975), A Pharmacognostical study of *Santolina chamaecyparissus* L. growing in Egypt Part I, Macro-and Micromorphological Study of the Flower and the Leaf, *Bull. of Fac. of Pharm. Cairo University*, XIV, 2-11.
- 54 M. D. Sayed, S. M. Abd El-Wahab, A. M. El-Shamy and Ibrahim I. M., (1975), A Pharmacognostical Study of *Santolina chamaecyparissus* L. growing in Egypt part I, Macro-and Micromorphological Study of the Stem and Root, *Bull .of Fac. of Pharm. Cairo Univ.* XIV, 29-39.

Supervision ;:
18 dissertations for MSc and
8 dissertations for PhD.

**Received many grants
from different funding
agencies and universities.**
*University of Helwan, Cairo,
Egypt.*
*Academy of Scientific
Research and Technology,
Cairo, Egypt.*
*Jordan University of Science
and Technology*
*Supreme Council of
Universities in collaboration
with American Universities.*



*Room Location : College of
Clinical Pharmacy,
Room No : 1003
Ph.: 58000000
Extn.: 1828/259
Mobile no: 055-9088175
Email : m_hamed2000
@yahoo.com*

*Attended more than 75
international, local
conferences, workshops and
meetings with published
papers in Egypt, Saudi
Arabia, USA, Germany, Japan,
Austria, Hungary and France.*

2. Dr. Mahmoud H. Kourish

BSc & MSc Assiut Uni, PhD Chiba Uni, Japan and Al-Azhar Uni,

PROFESSOR, PHARMACOGNOSY

TEACHING EXPERIENCE : 30 years experience in phytochemistry, applied pharmacognosy and herbal medicine.

RESEARCH INTEREST :

Phytochemistry, applied pharmacognosy, pharmacognostical studies, botany, tissue culture, chemistry and biology of lupin alkaloids, herbal medicine and hypoglycemic plants.

PUBLISHED PAPERS : 59 publications

PUBLICATIONS :

- 1 A.A. Ali, M.K. Mesbah and M.H. Mohamed: Pharmacognostical Study of *Pancreatium sickenbergi* Asch. et Schweinf. ex Boiss. Growing in Egypt. Part 1: Macro- and Micro-morphology of the Root, the Bulb and the Foliage Leaves "Assiut Bull. Pharm. Sci." 7 (2), 91 (1984).
- 2 A.A. Ali, M.K. Mesbah and M.H. Mohamed: Pharmacognostical Study of *Pancreatium sickenbergi* Asch. et Schweinf. ex Boiss. Growing in Egypt. Part 2: Macro-and Micro-morphology of the Inflorescence "Assiut Bull. Pharm. Sci " 7 (2), 115 (1984).
- 3 A.A. Ali, M.K. Mesbah and M.H. Mohamed: Study of Alkaloids of *Pancreatium maritimum* L. Growing in Egypt " Assiut Bull. Pharm. Sci." 7 (1), 132 (1984).
- 4 N.A. El-Emary, M.A. Makboul and M.H. Mohamed: Sesquiterpene Lactones from *Artemisia argentea* "Phytochemistry" 26, 314 (1987) England.
- 5 M.H. Mohamed, K. Saito, I. Murakoshi, H.A. Kadry, T.I. Khalifa and H.A. Ammar: A New Lupin Alkaloid, (-) 5,6-Dehydromultiflorine from the Seeds of *Lupinus termis* "J. Nat. Prod. " 53, 6, 1578 (1990) U.S.A.
- 6 M.H. Mohamed, K. Saito, H.A. Kadry, T.I. Khalifa, H.H. Ammar and Isamu Murakoshi: Lupin Alkaloids from the Seeds of *Lupinus termis*, "Phytochemistry" 30, 9, 3111 (1991) England.

- 7 M.H. Mohamed, H.A. Kadry, T.I. Khalifa, H.H. Ammar, Y. Fujii, F. Ikegami, K. Saito and Isamu Murakoshi: The Nutritive Value of the Leached seeds of *Lupinus termis* Forssk and the Hypoglycaemic Activity of the Alkaloids, Lupanine and Multiflorine. *Al-Azhar J. Nat. Prod.*, 32,1, 1992
 - Dr. Hassan Ammar, International congress of F. I. P., Washington, abstract , 4P-008, 1991, (USA)
- 8 M.H. Mohamed, H.A. Kadry, T.I. Khalifa, H.H. Ammar, T. Sekine, K. Saito, K. Ogata and I. Murakoshi: Reconfirmation of the Structure of (-)-Albine in the Seeds of *Lupinus termis* by X-Ray Analysis, " *Al-Azhar J. Nat. Prod.*" 8, 1 (1992).
- 9 M.S. Kamel, M.H. Mohamed, S.A. El-Moghazy and A.A. Ali: Steroidal Glycosides from the Fruits of *Balanites aegyptica* Del.,
 - Proceeding of the 1st National Symposium on Herbal Medicine, Assiut, Egypt, 7-9 Dec. (1992).
- 10 S.A. El-Moghazy, M.S. Kamel and M.H. Mohamed: Essential Oil of *Aphanamixis rohituka* Wall,
 - Proceeding of the First National Symposium on Herbal Medicine, Assiut, Egypt, 7-9 Dec. (1992).
- 11 T.I. Khalifa, M.S. Kamel and M.H. Mohamed: Seven Naturally Occurring Isoflavones from the Seeds of *Lupinus termis* Forssk " *Al-Azhar J. Nat. Prod.*" 8, 73 (1992).
- 12 H.A. Hassanean, M.H. Mohamed, E.K. Desoky, S.A. El-Moghazy and D.W. Bishy: Minor Isoflavones and Alkaloids from *Taverniera aegyptica* Boiss. " *Bull. Fac. Pharm. Cairo Univ.*" 30, 273 (1992).
- 13 T.Sekine, N.Arai, K.Saito, M.H. Mohamed, M.A. Makboul and Isamu Murakoshi: The Lupin Alkaloids of *Sophora secundiflora* Growing in Egypt " *Thai. J. Pharm. Sci.*" 16, 267 (1992) Thailand.
- 14 M.H. Mohamed and Abd El Nasser El- Shorbagi: (\pm)- Termisine :A Novel Lupin Alkaloid From the Seeds of *Lupinus termis* " *J. Nat. Prod.*" 56, 1993, U.S.A.
- 15 M.H. Mohamed, M.S. Kamel, S.A. El-Moghazy and Isamu Murakoshi: The Hypoglycaemic Effect of Some Lupin Alkaloids " *Bull. Fac. Pharm. Cairo Univ.*" 31, 107 (1993).
- 16 Abdel-Azim Assi and M. H. Mohamed ; Antihyperglycemic effect of the total extract of *lupinus Termis* Forssk and the major isolated alkaloids, *Eth. Pharm. J.*, 11:1-10 (1993).
- 17 O.M. Abdallah, M.S. Kamel and M.H. Mohamed: Phenylpropanoid Glycosides of *Prunus siori*, " *Phytochemistry*" 37, 6, 1689 (1994) England.
- 18 M.H. Mohamed, Z.Z. Ibraheim, O.M. Abdallah and Isamu Murakoshi: 15b-Hydroxy-17-oxolupanine, A New Lupin Alkaloid from the Seeds of *Lupinus albus*, " *Phytochemistry*" 37, 1751 (1994) England.
 - This is also presented by Prof. Mahmoud Hamed at the 9th American Association of Pharm. Sci. (AAPS), San Diego, abstract 5009, S-119 (1994) U.S.A.
- 19 F. Ikegami, M.H. Mohamed, T.I. Khalifa and I. Murakoshi: Amino Acid Composition and Contents of Some Egyptian Plants " *Thai. J. Pharm. Sci.*" 18, 92 (1994) Thailand.
- 20 M.H. Mohamed, A.M.P. Koskinen and M.S. Kamel: (-)-Termine, A New Lupin Alkaloid from the Seeds of *Lupinus termis* " *Bull. Pharm. Sci. Assiut Univ.*" 18, 55 (1995).

Dr. Mahmoud H. Kourish

- 21 S.A. E Moghazy, M.S. Kamel, M.H. Mohamed and Ari Koskinen: Preliminary Investigation on the Leaf Oil of *Lycopersicon hirsutum* Humb. et Bonpl., "J. Essent. Oil Res." 7, 453 (1995). U.S.A.
- 22 M. H. Mohamed, A.Assi. T.I. Khalifa and I. Murakoshi: The Biological Activities of Some Lupin Alkaloids "Ethiopian Pharm. J." 13, 22 (1995) Ethiopia.
- 23 M.H. Mohamed and H.A. Hassanean: Alkaloids from Seeds of *Lupinus varius* and *L. hartwegii* "Phytochemistry" 46 (2), 365 (1997) England.
- 24 A.A. Ali, M.H. Mohamed, M.S. Kamel, M.A. Foad and O. Spring: Studies on *Securigera securidacea* (L.) Deg. et Dorfl. (Fabaceae) Seeds, an Antidiabetic Egyptian Folk Medicine "Pharmazie" 53 (10), 710 (1998) Germany.
 - This is also presented by Prof. Mahmoud Hamed at the American Society of Pharmacognosy Conference, Abstract p-35. July, 1998, Coronado Springs Resort, Orlando, Florida, U.S.A.
- 25 M.H. Mohamed: New alkaloids from *Lupinus albus* L. seeds; Bull Pharm. Sci. Assiut University, 21 (1), 55 (1998).
- 26 H.A. Hassanean and M.H. Mohamed: Novel Oleanene Saponins from *Taverniera aegyptiaca* Boiss "Pharmazie" 53 (3), 195 (1998) Germany.
- 27 A. Assi, M.H. Mohamed, M.M. Abdel-Rahman and I. Murakoshi. Biological activities of some Lupine alkaloids.
 - The 16th Annual Scientific Conference, Faculty of Medicine, Assiut University, Assiut , Egypt; Mar 9-12 PP. 30 (1998)
- 28 K.M. Mohamed, M.H. Mohamed, K. Ohtani, R. Kasai and K. Yamasaki: Megastigmane Glycosides from Seeds of *Trifolium alexandrinum* "Phytochemistry" 51, 1193 (1999) England.
- 29 M.H. Mohamed; Quinovic Acid Glycosides from *Zygophyllum aegyptium*; Bull. Pharm. Sci. Assiut University, 22 (1), 47 (1999).
- 30 S. M. El-Sayyad, M. H. Mohamed, M. S. Kamel, K. M. Mohamed and A. N. El-Hifnawy: Chemical Constituents of the Fruits and Flowers of *Lagonychium farctum* growing in Egypt "Bull. Pharm. Sci. Assiut University" 22 (2), 123 (1999).
 - This also presented by Prof. Samia Mohamed El-Sayyad at the International Botanical Congress, Saint Louis, August (1999), U.S.A.
- 31 M. H. Mohamed, K.M. Mohammed, H.A. Hassanean and S.A. El-Moghazy: Minor Lupin Alkaloids from the Seeds of *Lupinus varius* and *Lupinus hartwegii* "Pharmazie" 54 (10), 778 (1999) Germany.
- 32 M. H. Mohamed, 13a-hydroxy-17-oxolupanine, A New Lupin Alkaloid from *Lupinus subcaruosus* Hook Herb,
 - presented by Prof. Mahmoud Hamed in the 60th International Congress. of FIP (2000) Vienna, Austria.

Supervision ::
11 dissertations for MSc
and 6 dissertations for
PhD.

- 33 M. S. Kamel, K. Ohtani, H. A. Hassanean, M.H. Mohamed, R. Kasai and K. Yamasaki: Monoterpene and Pergnane Glucosides from *Solenostemma argel* "Phytochemistry" 53, 937 (2000) England.
- 34- M.A. El-Shanwany, H.A. Hassanean, M.H. Mohamed and A.A. Nafady; A New Oleanene Triterpene and Hydroxy Fatty Acid from *Gladiolus segetum* Ker-Gawl.
• This is also presented by Prof. Mahmoud Hamed in the 60th International Congress. Of FIP Vienna, Austria (2000).
- 35 A.A. Ali, H.A. Hassanean, M.H. Mohamed, and E.S. El-Khayat; Chemical and Biological Studies of *Sinapis arvensis* Growing in Egypt. "Bull. Pharm. Sci. Assiut University" 23 (2), 99 (2000).
• This is also presented by H.A. Hassanean in the 6th European Congress of Pharmaceutical Sciences, September Budapest, Hungary.
- 36 M.A. El-Shanwany, H.A. Hassanean, M.H. Mohamed and A.A. Nafady; "Chemical Constituents Of *Corchorus olitorius* L. seeds and Seedling and Quantitative Estimation of its Cardenolides",
• presented at Assiut University 2nd Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, March, P. 65, (2000).
- 37 M Sayed, M.H Mohamed, S.F Farag and G.A Mohamed, " Macro-and MicroMorphological Characters of *Cyprus rothndus* L. Growing in Egypt, Bull. Pharm. Sic. Assiut University; 24 (2), 211 (2001).
- 38 H.M Sayed, M.H.Mohamed, S.F. Farag and G.A. Mohamd, Phytochemical and Biological Investigations Of *Cyperus rotunus* L., Bull. Pharm. Sic. Assiut University; 39 (3), 195 (2001).
• Presented by Prof. Mahmoud Hamed at the 62th International Congress of F.I.P., August (2002). Nice, France.
- 39 A.A Omran, K. Kitamura, S. Takegami, T, Kitade, A.Y.El Sayed, M.H Mohamed and M. Abd El Mottaleb: Effect of Phosphatidylserine Content on the partition Coefficients of Diazepam and Flurazepam Between Phosphatidylcholine and Phosphatidylserin Bilayer of Small Unilamellar Vesicles And Water Studied by Second Derivative Spectrophotometry; "Chem. Pharm. Bull"., 50 (3), 312 (2002), Japan.
- 40 A .A Omran, K. Kitamura, S. Takegami, T, M.Kume, M.Yoshida, A.Y. El Sayed, M.H Mohamed and M. Abd El Mottaleb: ¹⁹F NMR Spectrometric determination of the Pattern Coefficients Of Some Fluorinated Psychotropic Drugs Between Phosphatdylcholine Bilayer Vesicles and Water, Journal of Pharmaceutical and Biochemical Analysis, 30, 1087 (2002) USA.
- 41 Tripetch kanchanapoom, Kotomi Suga, Ryoji Kasai and Kazuo Yamaasaki, Mohamed Salah Kamel, Mahmoud Hamed Mohamed, Stilbene and 2-Arylbenzofuran Glucosides From Rhizomes of *Schoenocaulon officinale*, Chem. Pharm Bull., 50 (6), 863 (2002) Japan.
- 42 M.H. Assaf, A.A. Sayed, M.H Mohamed, M.S. Ahmed: Macro- And Micromorphological Study Of The Leaf, Stem, And Inflorescence Of *Ageratum conyzoides* L. Cultivated In Egypt, Assiut University 3rd Pharmaceutical Conference, Assiut, Egypt, 5-6 March, p.51 (2002). "Bull. Fac. Pharm. Cairo Univ." (2003).

Scholastic Awards :
Nov. 1991: Abd El-Azim Hifany Saber's prize as the best Ph.D. Thesis in "Pharmacognosy" all over Egypt during 1991, from Faculty of Pharmacy, Cairo University, Cairo, Egypt.
April 1988- Nov. 1990: Egyptian Government Scholarship for researchers and Graduate students (Channel System with Chiba University, Japan)
as

**Refereeing Articles
and theses:**

- *Journal Reviewer for the very famous international journal Phytochemistry England since Jan. 1999.*

- *Member, editorial board and reviewer of the Al-Azhar Journal of Microbiology, Cairo, Egypt*

- *Member, editorial board and reviewer of the Al-Azhar Journal of Natural products, Cairo, Egypt*

- *Reviewer in the Egyptian Journal For Medical and biological Sciences, Cairo, Egypt*

- *Reviewer in many Egyptians journals.*

- *Reviewer for many theses in Egypt and Saudi Arabia.*

- *Reviewer for King Abd El Aziz City for Science and Technology.*

Dr. Mahmoud H. Kourish

- 43 M.H. Assaf, A.A. Sayed, M.H Mohamed, M.S. Ahmed: Chemical and Biological Studies Of Lactuca sativa Growing In Egypt,
 ● This is also presented at the international 62th Congress of F.I.P., September (2003). Sydney Australia.
- 44 A. M. Nafady, M.A. El-Shanawany, M. H. Mohamed, H. A. Hassanean and T. Nohara: b-cyclodxtrn enclosed substances of Propolis, accepted in Chemical and Pharmaceutical Bulletin, Chem. Pharm. Bull., 51, 984 (2003). Japan.
 ● This is also presented in 18th Conference of Kyushu branch of Japanese Pharmaceutical Society , 15-16 December 2001, Kumamoto-Japan.
- 45 Nafady AM, El-Shanawany MA, Mohamed MH, Hassanean H.A, Zhu XH, Yoshihara T, Okawa M, Ikeda T, Nohara T, Peculiar side-chain fission of steroidal glycosides, Tetrahedron Letters, 44, 3509 (2003) England.
- 46 M.A. El-Shanawany, M. H. Mohamed, A.A. Khalifia, and M.A. Abd Allah, Macro- And Micromorphology Of The Centaurium pulchellum (S.W.) Druce Growing In Egypt, Bull. Pharm. Sic. Assiut University; in press.
- 47 H.M. Sayed, M. H. Mohamed, F.M. Darwish and A.M. Mohamed, Macro-and MicroMorphology of Flacourtia cataphracta Roxb cultivated in Egypt: Stem, Leaf and Stem Bark., Bull. Pharm. Sic. Assiut University; 27 (1), 25 (2004).
- 48 Ehab Elkhayat, RuAngelie, Rainer Ebel, Victor Wray, Rob Van Soest, Sumaryono Wiryowidagdo, Mahmoud H. Mohamed, Werner E.G. Muller and Peter Procksch, J. Nat. Prod., 67, 1809 (2004) USA.
- 49 H.M. Sayed, M. H. Mohamed, F.M. Darwish and A.M. Mohamed, chemical constituents of Flacourtia cataphracta Roxb cultivated in Egypt, presented the 9th International Conference and Exposition, 17-21 December, NP-04 (2005), Riyadh, Saudi Arabia..
- 50 Mohamed, A. Abd El-Aziz, Hosny A. Hassan, M. H. Mohamed, Abd El Raheim A. Meki, Sary A. Abd El-Ghaffar and Mahmoud R. Hussein, The Biochemical and Morphological Alterations Following Administration of Melatonin, Retinoic Acid and Nigella Sativa in Mammary Carcinoma: An Animal Model, Int. J. Exp. Path, 86, 383 (2005) USA.

*More than 15 papers
presentations in over 10
countries.*

- 51 M.A. El-Shanawany, M.H. Mohamed, A.A. Khalifa and M.A. Abd -Allah, xanthone glycosides from *Centaurium pulchellum* (sw.) druce,
• Presented in the 9th International Conference and Exposition, 17-21 December, NP-27 (2005), Riyadh, Saudi Arabia.
- 52 M.A. El-Shanawany, M.H. Mohamed, A.A. Khalifa and M.A. Abd -Allah, Macro-and MicroMorphology of *Centaurium pulchellum* (sw.) druce, : Bull. Pharm. Sic. Assiut University,(2006),
- 53M.A. El-Shanawany, M.H. Mohamed, A.A. Khalifa and M.A. Abd -Allah, Chemical Constituents of *Centaurium pulchellum* (sw.) druce, Fitoterapia (2006).
- 54 M.H. Mohamed, Z.Z. Ibrahim, A.M. Abd El Mola and A.A. Abd El Kader, Macro-and MicroMorphology Macro-and MicroMorphology of *Polgonum bellardii* growing in Egypt, Bull. Pharm. Sic. Assiut University, vol. 28, Part II, p. 297-310 Dec.(2005).
- 55 M.H. Mohamed, Z.Z. Ibrahim, A.M. Abd El Mola and A.A. Abd El Kader, Phytochemical and Biological Studies of *Emex spinosa* (L.) Campd. growing in Egypt, Bull. Pharm. Sic. Assiut University, Vol. 29 Part 2,P. 328-347 Dec. (2006)
- 56 H.M. Sayed, M.H. Mohamed, S.F. Farag, G.A. Mohamed, R.Ebel, O.R.M. Omobuwajo and P. Procksch, Plenolics of *Cyperus alopecuroides* Rottb. Inflorescences and Their Biological Activities, Bull. Pharm. Sic. Assiut University, 29 (1), 9 (2006).
- 57 M.H. Mohamed, A. Y. Bahait, K.M. El Khanadly and A. A. Abd Allah, Macro-and MicroMorphology of *Sanchezia nobilis* fam. Acanthaceae cultivated in Egypt, Bull. Pharm. Sic. Assiut University, 29 (II), 300-327, (2006).
- 58 M.H. Mohamed, A. Y. Bahait, K.M. El Khanadly and A. A. Abd Allah, Chemical Constituents of *Sanchezia nobilis* fam. Acanthaceae cultivated in Egypt, Bull. Pharm. Sic. Assiut University, 29, Part II, 300-327 Dec (2006)
- 59 Hanaa M. Sayed, M. H. Mohamed, Salwa F. Farag, Gamal A. Mohamed and Peter Procksch, New Steroid Glycoside and Furochromones From *Cyperus rotundus* L., Natural Product Research, 21, 4, 343 (2007) USA.



*Room Location : College of Clinical Pharmacy, Room No : 1026
Ph.: 58000000 Extn.: 1774
Mobile no:+ (966)503761265
Email : akhalil8888@yahoo.com
nmsgkhalil@hotmail.com*

Patent : Jordan K. Zjawiony, Ashraf A. Khalil, Alice M. Clark, Charles D. Hufford, and Khaled Y. Orabi "Samidazoles: New Antifungal Agents" USA Patent, No. 09/116,535 (1998).

3. Dr. Ashraf A. Khalil,

BSc , Al-Azhar Uni, & Ph.D. Uni of Mississippi USA

ASSISTANT PROFESSOR, MEDICINAL CHEMISTRY

TEACHING EXPERIENCE:

Organic chemistry courses at the graduate and undergraduate levels. medicinal chemistry, spectroscopic methods of structural elucidation, including MS, NMR, IR and other instrumental methods of analysis and communication Skills.

RESEARCH INTERESTS:

Characterization of new monoamine oxidase inhibitors from synthetic and/ or natural sources; drug metabolism; chemical modification of natural products and multistep syntheses of heterocyclic systems and biologically active compounds.

PUBLICATIONS:

1. Philippe Bissel, Ashraf Khalil, John M. Rimoldi, K. Igarashi, Emre Isin, Dale Edmondson, Tony Miller, Frank Fronczek, and Neal Castagnoli, Jr. "Stereochemical studies on the novel monoamine oxidase-B substrates (1R,6S)- and (1S,6R)-3-methyl-6-phenyl-3-aza-bicyclo[4.1.0]heptane" *Bio-org. Med. Chem.*, 16, 3557- 3564 (2008).
2. Khalid A. El Sayed, Ashraf A. Khalil, Muhammad Yousaf, Guillermo Labadie, Mahesh K. Gundluru, Scott G. Franzblau, Alejandro M.S. Mayer, Mitchell A. Avery, and Mark T. Hamann "Semisynthetic Studies of the Manzamine Alkaloids" *J. Nat. Prod.* 71, 300-308 March (2008).
3. Ashraf A. Khalil, Bruce Davies, and Neal Castagnoli, Jr. "Isolation and Characterization of a Monoamine Oxidase B Selective Inhibitor from Tobacco Smoke" *Bioorg. Med. Chem.*, 14(10), 3392-3398 (2006).
4. Abdulrahman M. Al-Obaid, Hassan A. Farag, Ashraf A. Khalil, Othman A. Al-Shabanah, Sami G. Abdel Hamid, Hassan A. El-Kashef, Ahmed M. Al-Afifi, Elrasheed A. Gadkariem and Hussein El-Subbagh "Synthesis and Investigation of Novel Shelf-Stable Brain-Specific MAO Inhibitors" *Saudi Pharm. J.* 14(1), 1-15 (2006).
5. John Rimoldi, Emre Isin, Philippe Bissel, Ashraf Khalil, and Neal Castagnoli, Jr. "A Novel and Selective Monoamine Oxidase B Substrate" *Bioorg. Med. Chem.*, 13(20), 5808-5813 (2005).
6. František Hubálek, Claudia Binda, Ashraf Khalil, Min Li, Andrea Mattevi, Neal Castagnoli and Dale E. Edmondson "Demonstration of Isoleucine199 as a Structural Determinant for the Selective Inhibition of Human Monoamine Oxidase B by Specific Reversible Inhibitors" *J. Biological Chem.*, 280, 15761-15766 (2005).

7. A. Khalil, F. Belal, and A. Al-Badr "Dipyridamole, Comprehensive Profile" Profiles of Drug Substances, and Related Methodology. (H. G. Brittain, Editor), Academic Press, New York, 31, 215-280 (2004).
8. I. Katsuyama, Ashraf. A. Khalil, C. Dunbar, and J. K. Zjawiony, "Concentration-Dependent Variation in ¹H-NMR Chemical Shifts of Aromatic Protons in Sam-pangine Derivatives", Spectroscopy Letters, 36 (5-6), 477-485 (2003).
9. Khalil, A.; El-Sayed, K.; Belal, F.; Khalil, N. Y. and Hamann, M. "Spectrofluorimetric Determination of Manzamine A in Spiked Human Urine and Plasma" Pharmazie.58 (6), 385-388 (2003).
10. Ashraf A. Khalil, Sami G. Abdel Hamid, Abdulrahman M. Al-Obaid and Hussein El-Subbagh, "Substituted quinazolines, 2. Synthesis and in vitro anticancer evaluation of new 2-substituted mercapto-3H-quinzoline analogs" Arch. Pharm. Pharm. Med. Chem. 336, 1-9 (2003).
11. Kay Castagnoli; Stefanus J. Steyn; Geraldine Magnin; Cornelis J. Van Der Scyf; Izel Fourie, Ashraf Khalil; and Neal Castagnoli, Jr "Studies on the Interactions of Tobacco Leaf and Tobacco Smoke Constituents and Monoamine Oxidase" Neurotoxicity Res., 4 (2), 151- 160 (2002).
12. S. G. Abdel Hamid, H. A. El-Obeid, K. A. Al-Rashood, A. A. Khalil, and H. I. El-Subbagh "Substituted Quinazoline, I. Synthesis and Antitumor Activity of Certain Substituted 2-Mercapto-4-(3H)-quinazolinone Analogs" Scienta Pharmaceutica (Sci. Pharm.). 69, 351- 366 (2001).
13. Isamu Katsuyama, Ashraf A. Khalil, Jianwei Ren, and Jordan K. Zjawiony "The Identification, Mechanism, and Improved Synthesis of a New and Unique Heterocyclic System with a Fused Imidazole Ring" Heterocycles, 54 (2),721(2001).
14. Ashraf A. Khalil, Salome Steyn and Neal Castagnoli, Jr. "Isolation and Characterization of a New MAO Inhibitor from Tobacco" Chem. Res. Tox., 13 (1), 31-35 (2000).
15. Jordan K. Zjawiony, Ashraf A. Khalil , Alice M. Clark, Charles D. Hufford, and Khaled Y. Orabi "Samidazoles: New Antifungal Agents" USA Patent, No. 09/116,535 (1998).
16. Jordan K. Zjawiony, Ashraf A. Khalil, Charles D. Hufford, Alice M. Clark and John K. Buolamwini "Studies on Methoxylation in The 7H-Naphtho[1,2,3-i,j][2,7] naphthyridin-7-one System." J. of Heterocyclic Chem., 34, 1233, (1997).
17. K. A. Al-Rashood, E. M. Abdel-Moety, O. A. Al-deeb, A. A. Khalil and N. A. Khattab "Derivative Spectrophotometry for Stability-indicating Determination of Norfloxacin in Bulk Form and Tablets." Scientia Pharmaceutica (Sci. Pharm.), 62, 225-235 (1994).
18. O. A. Al-Deeb, K. A. Al-Rashood and A. A. Khalil "Synthesis of New (1-Phenylcyclohexyl) Piperazine as Potential Analgesics" Bull. of Fac. Pharm., CairoUniv., 31(3) 475-479, (1993).
19. O. A. Al-deeb, E. M. Abdel-Moety, N. A. Khattab and A. A. Khalil "Potentiometric Titrimetry for Simultaneous Determination of Ampicillin and Dicloxacillin in Bulk and in Capsules." Acta Pharmaceutica Fennica, 101, 215-219, (1992).

HONORS AWARDED:

Certificate of Merit, 3rd place award for the best research project, King Abdulaziz City for Science and Technology (KACST), Saudi Arabia, 2005.

GRANTS:

Hassan H. Farag and Ashraf A. Khalil "Brain-Specific Delivery of Dopamine" Research Center, College of Pharmacy, King Saud University. (\$ 3200).

Abdul Rahman M. Al-Obaid; Hassan H. Farag; Hussein I. El-Subbagh; Othman A. Al-Shabanah; and Ashraf A. Khalil "Synthesis and Investigation of Novel Shelf-Stable Brain-Specific MAO Inhibitors" King Abdulaziz City for Science and Technology (KACST), Riyadh, SA. (\$ 114,130).

Ezzat M. Abdel-Moety; Omar A. Al-Deeb and Ashraf A. Khalil "Photochemical Stability-Indication of Certain Antifungal Agents" Research Center, College of Pharmacy, King Saud University. (\$ 5870)

SKILLS:

- *Enzyme kinetics.*
- *Multistep (small and large scale) syntheses.*
- *Chemical modification of natural products.*
- *Drug metabolism using radiolabeled drugs.*
- *Preparation of radioligands using different nuclides e.g. Tc-99m and Re-188.*
- *Handling of radioactive isotopes e.g. ^{14}C , ^{54}Mn , Tc-99m and Re-188.*
- *Isolation and purification of the natural products, utilizing successive solvent extraction, normal and reversed-phase chromatography (including TLC and HPLC), distillation and crystallization.*
- *Spectroscopic identification of natural products utilizing NMR (1D and 2D), UV, IR and MS.*
- *Hands on experience with the following instruments: Bruker Avance 300 and 400 MHz NMR, Varian 400 MHz NMR, Beckman Model DU-50 spectrophotometer, Perkin-Elmer Infrared spectrophotometers, HP 5973*

Dr. Ashraf A. Khalil,**PRESENTATIONS:**

1. Ashraf A. Khalil and Neal Castagnoli, Jr. "Characterization of a monoamine oxidase B selective inhibitor from tobacco smoke" The 9th International Pharmaceutical Sciences Conference and Exposition, Riyadh , Saudi Arabia, December 17-21, 2005.
2. František Hubalek, Claudia Binda, Ashraf Khalil, Thangaraju Murugesan, Min Li, Andrea Mattevi, Neal Castagnoli, and Dale E. Edmondson "Structural Determinants for Reversible Inhibitors that Specifically Bind to Human Monoamine Oxidase B but not to Human Monoamine Oxidase A. 11th Amine Oxidase Workshop, Amine Oxidases: Function and Dysfunction, University of St. Andrews, Scotland, UK. July 25-29, 2004.
3. Ashraf A. Khalil. "Chemistry of New Agents from Tobacco Against Parkinsonism" Research Center, College of Pharmacy, King Saud University, Riyadh, SA. Nov. 2001.
4. J. K. Zjawiony, I. Katsuyama, A. A. Khalil, D. C. Dunbar, "Unusual Chemical Shift Variation Observed in ^{15}N and ^1H NMR Studies of Sampangine and its Derivatives", 220th American Chemical Society National Meeting, Washington DC, August 20-24, 2000.
5. Kay Castagnoli, A. Khalil, J. Petzer, S. Steyn, S. J. Steyn and N. Castagnoli Jr "Inhibition of Human MAO-A and MAO-B and Neuroprotection in the MPTP C57 Mouse Model by a Compound Isolated from Tobacco Leaves. 9th International Amine Oxidase Workshop, The Millennium Meeting; Amine Oxidases: Enzymes with Novel Functions? July 9-12, 2000, Barcelona, Spain.
6. K. Castagnoli, A. Khalil, S. Steyn and N. Castagnoli Jr. "Inhibition of Human MAO-A and MAO-B by a Compound Isolated from Flue-Cured Tobacco Leaves" Division of Chemical Toxicology, 219th American Chemical Society National Meeting, San Francisco, CA, March 26-30, 2000.
7. Ashraf A. Khalil, and Neal Castagnoli, Jr. "Isolation and Characterization of a Potent MAO Inhibitor from Tobacco" ISSX National Meeting , 1999, Nashville, TN, USA.
8. Jordan K. Zjawiony , Ashraf A. Khalil, Alice M. Clark, and Charles D. Hufford. "Sampangine Derived Imidazoles as New Antifungal Agents" 216th American Chemical Society National Meeting, 1998, Boston, MA, U.S.A.
9. Ashraf A. Khalil, Alice M. Clark Charles D. Hufford and Jordan K. Zjawiony. "Samidazole: New Antifungal Agents" 39th Annual Meeting of the ASP, 1998, Orlando, FL, U.S.A.

10. Ashraf A. Khalil, and Jordan K. Zjawiony. "Nucleophilic Substitution versus Addition in Sampangine System" 214th American Chemical Society National Meeting, 1997, Las Vegas, NV, U.S.A.
11. Ashraf A. Khalil, Alice M. Clark Charles D. Hufford and Jordan K. Zjawiony. "Recent Progress in the SAR Studies of Sampangines" 38th Annual Meeting of the ASP, 1997, The University of Iowa, Iowa City, IA, U.S.A.
12. Ashraf A. Khalil, and Jordan K. Zjawiony "Kinetically and Thermodynamically Controlled Nucleophilic Substitution in Sampangines" 35th National Organic Symposium (ACS), 1997, Trinity University, San Antonio, TX, U.S.A.
13. Ashraf A. Khalil, Alice M. Clark, Charles D. Hufford and Jordan K. Zjawiony "Structur- Activity Relationship Studies of Sampangines" 24th Annual MALTO Meeting, 1997, The University of Arkansas Medical Center, Little Rock, AR, U.S.A.
14. Jordan K. Zjawiony, Anita R. Srivastava, Ashraf A. Khalil, Charles D. Hufford and Alice M. Clark "Sampangines: New Antifungal Alkaloids of Natural Origin", 211th American Chemical Society National Meeting, 1996, New Orleans, LA, U.S.A.
15. Ashraf A. Khalil, Jordan K. Zjawiony, Charles D. Hufford and Alice M. Clark "Nucleophilic Substitution in Sampangine System" Joint 51st Southwest/ 47th Southeast Regional Meeting of American Chemical Society,, 1995, Memphis, TN, U.S.A.
16. Ashraf A. Khalil, Jordan K. Zjawiony, Charles D. Hufford and Alice M. Clark "Antifungal Copryrine Alkaloids: The Synthesis of New A- and B-Ring Functionalized Sampangines by Nucleophilic Substitution." 36th Annual Meeting of the ASP, 1995, University of Mississippi, Oxford, MS, U.S.A.
17. Ashraf A. Khalil, Jordan K. Zjawiony, Charles D. Hufford and Alice M. Clark "Antifungal Copryrine Alkaloids: A Convenient Synthesis of 3-Methoxysampangine" 22nd Annual MALTO Meeting, 1995, Xavier University, New Orleans, LA, U.S.A.
18. Jordan K. Zjawiony, Ashraf A. Khalil, Charles D. Hufford and Alice M. Clark "Nucleophilic Substitution in Sampangine System: The Synthesis of 3-Methoxysampangine." 35th Annual Meeting of the ASP, 1994, Halifax, Canada.

**DMPK STUDIES
CONDUCTED AT ABC
LABORATORIES:**

A) As a Study Director:

[⁵⁴Mn]Cl₂ and [⁵⁴Mn]40484: Pilot Studies After Oral and Intravenous Dosing in Male Sprague-Dawley Rats. (Dec. 2002/ Jan. 2003).

Pharmacokinetic Study in Beagle Dogs after a Single IV Dose of 99mTc-Labeled AcuTect™, Administered at Two Different Dose Levels. (Sep. 2002-Feb. 2003).

B) As a Principal Investigator:

Analysis of Metabolites in Blood Plasma of Long-Evans Rats Treated with [¹⁴C]Alachlor. (Nov. 2002-Jan. 2003).

Analysis of Metabolites in Blood Plasma of CD-1 Mice Treated with [¹⁴C]Alachlor. (Nov. 2002-Jan. 2003).

Orientating Intravenous Expanded Single Dose Toxicity Study in the Rat with the Rhenium (Re-188) Labeled Kit for the Preparation of Rhenium Re-188 P2045(ZK259317, SH R03642C). (Jan. 2003).



*Room Location : College of
Clinical Pharmacy,
Room No : 1004
Ph.: 58000000
Extn.:1812/ 241
Mobile no: 0564761159
Email : kmetwally
@kfu.edu.sa*

4. Dr. Kame1 A. Metwally

BSc & MSc Zagazig Uni, PhD Zagazig Uni. and Virginia Commonwealth Uni, USA.

ASSOCIATE PROFESSOR, MEDICINAL CHEMISTRY

TEACHING EXPERIENCE : 18 years experience in teaching medicinal chemistry and general chemistry.

RESEARCH INTEREST :

Design and synthesis of bioactive molecules including anticancer, antimetastatic agents, anti-inflammatory agents and aldose reductase inhibitors.

PUBLISHED PAPERS : 13 publications

PUBLICATIONS :

1. El-Sadek, M., Abdel Aziz, L., and Metwally, K. Synthesis and biological activity of certain flurbiprofen derivatives. *Zagazig J. Pharm. Sci.*, 5, 29-35 (1996).
2. El-Sadek, M., Abdel-Aziz, L., Abou-Kull, M., and Metwally, K. Synthesis and biological evaluation of novel heterocyclic derivatives of flurbiprofen.; *Zagazig J. Pharm. Sci.*, 7, 94-100 (1996).
3. Metwally, K., Dukat, M., and Glennon, R. Azaspirodecanones: structure-affinity relationships for 5-HT_{2A} serotonin receptor binding. *Virginia J. Sci.*, 48, 141 (1997).
4. Metwally, K., Dukat, M., Egan, C., Smith, C., DuPre, A., Gauthier, C., Herrick-Davis, K., Teitler, M., and Glennon, R. Spiperone: influence of spiro ring substituents on 5-HT_{2A} serotonin receptor binding. *J. Med. Chem.*, 41, 5084-5093 (1998).
5. Lashine, E., El-Adl, S., Metwally, K., and Abou-Kull, M. Synthesis of some new quinoline derivatives of potential antimicrobial activity. *Zagazig J. Pharm. Sci.*, 8, 23-27 (1999).
6. El-Adl, S., Metwally, K., and Abou-Kull, M. Utility of dichloromaleimide derivative as a chromogenic reagent for the spectrophotometric determination of certain fluoroquinolones and related compounds. *Zagazig J. Pharm. Sci.*, 8, 13-17 (1999).
7. Glennon, R., Metwally, K., Dukat, M., Ismaiel, A., De Los Angeles, J., Herdon, J., Teitler, M., and Khorana, M. Ketanserin and spiperone as templates for novel serotonin 5-HT_{2A} antagonists. *Curr. Top. Med. Chem.*, 539-558, 2, (2002).

8. Sukkar, O., Metwally, K., Abu Koll, M. and El-Adl, S. Increasing sensitivity of colorimetric determination of basic drugs through ion pair complex formation. *Zagazig J. Pharm. Sci.*, 14, 32-39 (2005).
9. Metwally, K., Abdel-Aziz, L., Lashine, E., Hussein, M. and Badawy, R. Hydrazones of 2-arylquinoline-4-carboxylic acid hydrazides: synthesis and preliminary evaluation as antimicrobial agents. *Bioorg. Med. Chem.*, 14, 8675-8682 (2006).
10. Metwally, K., Yaseen, S., Lashine, E., El-Fayomi, H. and El-Sadek, M. Non-carboxylic analogues of aryl-propionic acids: synthesis, anti-inflammatory activity and ulcerogenic potential. *Eur. J. Med. Chem.*, 42, 152-160 (2007).
11. Metwally, K., Pratsinis, H., and Kletsas, D. Pyrimido[4,5-c]quinolin-1(2H)-ones as a novel class of antimetabolic agents: synthesis and in vitro cytotoxic activity. *Eur. J. Med. Chem.*, 42, 344-350 (2007).
12. Metwally, K., Aly, O., Aly, E., Banerjee, A., Ravindra, R. and Bane, S. Synthesis and biological activity of 2,5-diaryl-3-methyl-pyrimidino[4,5-c]quinolin-1(2H)-one derivatives. *Bioorg. Med. Chem.*, 15, 2434-2440 (2007).
13. Metwally K., Aly, E., Aly, O. and El-Nabtity S. Spirohydantoin derivatives from 1-tetralone: design, synthesis and exploration of their anticonvulsant activity and neurotoxicity. *Bull. Fac. Pharm. Cairo Univ.*, 45, 149-154 (2007).

Current International Collaborations:

1. Professor **Susan L. Bane** Research group; Department of Chemistry, State University of New York, Binghamton, NY, USA. Research Project title: Design and synthesis of 3-aryl-pyrimidino[4,5-c]quinolines as potential antitumour agents. Manuscript preparation is in progress.
2. Professor **Dimitris Kletsas** Research group; laboratory of cell Proliferation and Aging, Institute of Biology, national Centre of scientific research "Demokritos", Athens, Greece. Research project title: design and synthesis of novel 3-aminopyrimidino[4,5-c]quinolines as potential antitumour agents.
3. Professor **Federico Da Settimo** research group; Department of Pharmaceutical Sciences, University of Pisa, Pisa, Italy. Research project title: Design and synthesis of novel potent and selective aldose reductase inhibitors as potential therapeutic candidates for diabetic complications.
4. Professor **Paolo La Colla** research group; Dipartimento Di Biologia Sperimentale, Università Di Cagliari, Monserrato, Italy. Research Project title: Cytotoxic and tubulin polymerization inhibitory activity of certain 5-arylamino-4H-1,2,4-triazoles.

*Research Scholar at Virginia
Commonwealth University*

Invited presentations:

*Azaspirodecanones:
structure-activity
relationships for 5-HT_{2A}
serotonin receptor binding.
Proceedings of the 75th
Annual Meeting of the
Virginia Academy of Science,
May 20-23, 1997, Virginia
Polytech Institute and State
University, Blacksburg,
Virginia, USA.
New safer anticonvulsants.
Proceedings of the 7th Saudi
International Pharmaceutical
Conference, March 20, 2007,
Riyadh, KSA.
Drug discovery: serendipity
and nature inspiration.
Gwatha Hall, King Faisal
University, Hufuf city, Al-
Ahsa.*



*Room Location : College of
Clinical Pharmacy,
Room No : 1001
Ph.: 58000000
Extn.:1783/244
Mobile no:0532007406
Email : ahmadtanveer2001
@yahoo.com*

5. Dr. Tanveer A. Khan

B-Pharm; M-Pharm; Uni of Karachi, Ph.D. USM, Malaysia.

ASSOCIATE PROFESSOR, PHARMACEUTICS

TEACHING EXPERIENCE : 10 years of experience in teaching pharmaceutics, biopharmaceutics, physical pharmacy, drug delivery systems and dosage forms

RESEARCH INTEREST :

1. Drug Formulation and Dosage Forms Design/Pharmaceutical Preparations.
2. Physical Pharmaceutics
3. Chitin and Chitosan (Pharmaceutical and Medicinal applications e.g. Wound Healing) Transdermal drug delivery system.
4. Formulations of Halal soft gel capsules.

PUBLISHED PAPERS : 10

PUBLICATIONS :

1. Khurshid, A, and Khan, Tanveer, A (2009). Relationship between the Socio-demographic factors, and the clinicopathological Characteristics with the intrinsic biomarkers of Breast Carcinoma of women in Pahang, Malaysia. Canadian Journal of pure and applied sciences. Vol. 3 (1)pp.637-647
2. Khurshid, A, Falah, S, Khan, Tanveer. A , Mustafa Mahmud, M.I.A. Maizam, and M, Nasser, A, (2005). A Prognostic Biomarkers of Breast Cancer in Pahang Darul Makmur Malaysia. The International Medical Journal. 4(1), B6.
3. Khurshid, A, Falah, S, Khan, Tanveer. A, Mustafa Mahmud, M.I.A. Maizam, and M, Nasser, A. (2005). Demographic and Clinicopathological Characteristics and Estrogen Receptor Status of Breast Cancer in Pahang Darul Makmur Malaysia. The International Medical Journal. 4(1), B1.
4. Khan, Tanveer. A. and Peh, K.K. (2003). Influence of Chitosan Molecular Weight on Its Physical Properties. The International Medical Journal. 2(1), B4.
5. Khan, Tanveer. A. and Peh, K.K. (2003). A preliminary investigation of chitosan film as dressing for punch biopsy wounds in rats. Journal of Pharmacy and Pharmaceutical Sciences, 6(1), 20-26.
6. Khan, Tanveer. A., Peh, K.K. and Ch'ng, H.S. (2002). Reporting degree of deacetylation values of chitosan: the influence of analytical methods. Journal of Pharmacy and Pharmaceutical Sciences, 5(3), 205-212.
7. Khan, Tanveer. A., Peh, K. K. and Ch'ng, H. S. (2000). Mechanical, Bioadhesive Strength and Biological Evaluations of Chitosan films for Wound Dressing. Journal of Pharmacy and Pharmaceutical Sciences, 3(3), 303-311

8. Khan, Tanveer, A, and Peh, KK (2009). Investigation of Zeta Potential, Peel Adhesion, Swelling, Permeability and Tensile properties of Chitosan Films prepared for wound healing, Canadian j of pure & Applied Sci.
9. Khan Tanveer A., A.B. M. Helal Uddin., and Abbas, S. A. (2009). HPLC Method Development and Validation of Cimetidine in Human Plasma for Bioequivalence Study. Journal of Pharmacy and Pharmaceutical Sciences (submitted).
10. A. B. M. Helal Uddin, S. A. Abbas and Tanveer A. Khan. (2008). Development of simple & rapid RP-HPLC method for the Determination of Cimetidine in Human Plasma with ultraviolet detection. (under submission).

Reviewer: -Appointed as a peer reviewer for the articles to be published in the following journals:

1. "Journal of Pharmacy and Pharmaceutical Sciences" published by the Canadian Society for Pharma Sciences. Uni of Alberta. Canada, since 2002.
2. "The International Medical Journal" published by the Faculty of Medicine, International Islamic Uni Malaysia. Kuantan. Malaysia, since 2005.
3. "Bulletin of the Chemical Society of Ethiopia" published by The Chemical Society of Ethiopia, Addis Ababa, Ethiopia. South Africa, since 2008.
4. "Journal of Microencapsulation" published by the University of London, London, U.K, since 2008.
5. "Pakistan Journal of Zoology" published by the School of Biological Sciences, University of the Punjab, Lahore, Pakistan, since 2008.
6. "Pakistan Journal of Pharmaceutical Sciences" published by the Faculty of Pharmacy, University of Karachi, Karachi, Pakistan, since 2008.

AWARDS/ACHIEVEMENTS AT THE NATIONAL & INTERNATIONAL LEVEL

1. **Winner of the Silver Medal (Diploma: Brussels Eureka! and Innova + Energy)**, at The World Exhibition of Invention, Research and Industrial Innovation, organized and awarded by the Belgian and International Trade Fair for Technological Innovation, Brussels, Belgium, 22-25 Nov, 2007.
2. **Recipient of the Certificate of Award (Bronze Medal)** at the International Exposition of Research and Inventions of Institutions of Higher Learning 2007. Ministry of Higher Education Malaysia and Universiti Sains Malaysia. Kuala Lumpur, **Malaysia**. 10-12 August, 2007.
3. **Recipient** of the International Travel Grant Award for Young Scientists "**PSWC_2007 Travel Grant Award**", Board of Pharmaceutical Sciences, International Pharmaceutical Federation (FIP), for Pharmaceutical Sciences World Congress_2007 (PSWC_2007), Amsterdam, **The Netherlands**, 22-25 April, 2007.

Community Involvement (Professional Society/Club etc):

Member: Commonwealth Pharmaceutical Association (CPA), London, U.K.

*Member: Pharmacy Council of Sind, Karachi. **Pakistan.***

*Member: Pakistan Pharmacy Council, Islamabad, **Pakistan.***

*Member, Malaysian Pharmaceutical Society, Kuala Lumpur. **Malaysia.***

*Winner of the "**Most Committed Lecturer Award**" during the 2nd Annual Grand Dinner_2007, Faculty of Pharmacy, International Islamic University Malaysia, Kuantan, Malaysia, .*

*Winner of the "**IUM Quality Research Award_2007**", during the Annual Quality Day_2007 of the International Islamic University Malaysia, Kuala Lumpur, Malaysia, 2nd March, 2007.*



*Room Location : College of
Clinical Pharmacy,
Room No : 1004
Ph.: 58000000
Extn.:1815 /240
Mobile no:0550116579
Email : harsha1975
@gmail.com*

6. Dr. Sree Harsha

M.Ph & PhD, Rajiv Gandhi Uni. Health Sciences, India

ASSISTANT PROFESSOR, PHARMACEUTICS

TEACHING EXPERIENCE : 10 years of experience in teaching pharmaceutics, pharmacokinetics & biopharmaceutics and physical pharmacy.

RESEARCH INTEREST :

1. Targeted Drug Delivery Systems
2. Novel Drug Delivery Systems

PUBLISHED PAPERS : 6

PUBLICATIONS :

1. Sree Harsha and M. S. Al-wesali, Preparation and Evaluation of Nanospheres for Lung Targeting, Journal of Nano and Bio-materials, 2008 – in Press
2. Shobha Rani R. H and Sree Harsha, Drug Targeting to Lungs by way of Microspheres, Archives of Pharmacal Reserch, Vol 29, No.7, Page – 597-604, 2006.
3. Sree Harsha “Formulation And Evaluation Of Biodegradable Polymeric Microspheres Of A Selected Anti-Infective Drug - Gentamicin” Ph. D thesis, 2006.
4. Sree Harsha , “Drug Targeting To Lungs By Way Of Microspheres” masters thesis 2001.
5. Shyamala Bhaskaran and Sree Harsha, Effect of Permeation Enhancer and Ionophoresis on permeation of Atenolol from Transdermal Patches, Indian Journal of Pharmaceutical Sciences, Nov-Dec- 62 (6): Page 42 - 46, 2000.
6. Shyamala Bhaskaran and Sree Harsha, Hydrodynamic oral floating controlled delivery of Diltiazem hydrochloride, The Eastern Pharmacist, 2001.

Presentations :

1. Preparation and evaluation of nanospheres for lung targeting, Saudi Arabia, 2008
2. Quality Control analysis of Personal Care Products, BELGAUM, 2004.
3. Drug targeting to lungs by way of microspheres. International Congress of Indian Pharmacy Graduates. TAMIL NADU, 2003
4. Microspheres targeting to lungs, APTI, GOA, 2003.
5. Use of Microsoft excels in Pharmacy field. 54th IPC, PUNE, 2002
6. Drug targeting to lungs. 54th IPC, PUNE, 2002
7. Formulation and evaluation of microspheres of gentamicin sulphate, F.I.P GERMANY, 2001.
8. Preparation and evaluation of microspheres of gentamicin sulphate. 53rd IPC, DELHI, 2001
9. Preparation of self-cross linked gelatin microspheres. 52nd IPC. HYDERA-BAD. 2000
10. Gelatin as a hydrogel for controlled release. 51st IPC, INDORE, 1999.

Participation :

1. Participated in ICMR Sponsored workshop on “Biomedical communication in the cyber age”, KERALA, India, 2002.
2. Participated in Indian cosmetic technologists association workshop on “Personal care Products – Creams” BANGALORE, India, 2001.

Skills

1. Proficient in all leading word and numerical processing packages Corel Draw
2. Data analysis and statistics like Sigma Plot and Design of Experiments.



*Room Location : College of
Clinical Pharmacy,
Room No : 1001
Ph.: 58000000
Extn.:1783/245
Mobile no:0550118492
Email : mattimarad
@kfu.edu.sa
mattimarad@kgmail.com*

Instruments handled :

*HPLC –Shimadzu.
FT IR - Shimadzu and Perkin
Elmer.
UV Visible Spectrophotome-
ter – Shimadzu and Elico.
Spectrofluorophotometer
Flash Chromatography.
Microwave synthesizer.*

7. Dr. Mahesh Attimarad

B-Pharm Gulbarga Uni, M-Pharm; Ph.D. Rajiv Gandhi Uni. Health Sciences, India

ASSISTANT PROFESSOR, ANALYTICAL CHEMISTRY

TEACHING EXPERIENCE : 12 years of experience in teaching pharmaceutical chemistry, medicinal chemistry and analytical chemistry.

RESEARCH INTEREST :

1. Microwave assisted synthesis of organic compounds.
2. Screening for anti-inflammatory and analgesic activities.
3. In-vitro antioxidant screening.
4. Development of new analytical methods for drug molecules.
5. Bioavailability studies in rodents.

PUBLISHED PAPERS : 14

PUBLICATIONS :

1. Pradeep Kumar, Mahesh Attimarad and Sudha Mallapur "Development of New UV Spectrophotometric And Colorimetric Methods for the Estimation of Metadoxine in Tablets". Asian Journal of Chemistry, 20 (2), 1642-1644, (2008).
2. Mahesh Attimarad and S. Mohan "An Expedient Synthesis of Methyl 5-(2-Amino 4-Arylthiazolyl) acetates using Microwave Irradiation" Journal of the Indian Chemical Society, vol. 83(12), 1276-1279, (2006)
3. Mahesh Attimarad and S. Mohan, "Microwave assisted synthesis of ethyl 2,4, -di substituted thiazole-5 acetates for their antioxidant activity, Asian Journal of Chemistry, vol.17(2), 991-995, 2005.
4. Mahesh Attimarad and S. Mohan "Synthesis of Hydroxy benzothio-
phene/naphthalene carboxylic acids as potent NSAIDs.", Indian Journal of Heterocyclic Chemistry, 14, 285-288, (2005).
5. V.N. Narasimha Murthy, M. K. Kokila, Puttaraju, N. C. Shivaprakash, M. V. Kulkarni and Mahesh " Structure of ethyl-[(2-amino-4-phenyl)-5-thiazolyl]acetate" Indian Journal of Chemistry, 13B, 1969-1972, (2004)
6. Mahesh Attimarad, Vanith somasekhar and S. Mohan "Synthesis of 2-N-acyl amino arylthiazole-5-acetic acids/esters for their anti-inflammatory and analgesic activities" Asian J. of Chemistry, vol.16(1),179-182, 2004.
7. Mahesh Attimarad and G. Bagavant "Synthesis and Pharmacological evaluation of 4-Hydroxybenzothio-
phene-6-carboxylic acid Derivatives as NSAIDs", Asian Journal of Chemistry, 16 (2), 823-826, (2004).

8. Venugopala K. N., Jayashree B. S., and Mahesh Attimarad, "Synthesis and evaluation of some substituted 2-arylamino coumarinyl thiazoles as potential NSAIDs", Asian Journal of Chemistry, 16 (2), 872-876 (2004).
9. Mahesh Attimarad and S. Mohan "Synthesis of some 2-arylamino-4-phenylthiazole-5-acetic acids and esters as potent NSAIDs.", Indian Journal of Heterocyclic Chemistry, 13, 339-342, (2004).
10. Sandhyavali, S. Mohan, Rajesh Kale and Mahesh Attimarad "Synthesis of some 2-substituted amino 3(N-p-tolyl carboxamido)4,5-trimethylene thiophenes as potent NSAIDs" Indian Journal of Heterocyclic Chemistry, 13, 193-196, (2004).
11. Vanaja K., Hiremath RR, Jajoo HK, Attimarad M, G Bagavant, Gawade SP "Pharmacokinetics of aryl thiazole (NSAID) molecules and Ibuprofen in the rat" Online Journal of Pharmacokinetics, 1, 26-32, (2002).
12. Gopal Krishna Rao, Rajashekar, M Attimarad, "Synthesis and Anti-microbial activity of some 5-phenyl-4-substituted amino-3-mercapto-(4H)-1,2,4-triazoles" Indian Journal of Pharmaceutical Sciences, 11, 475-477, (2000).
13. Mahesh Attimarad and G. Bagavant "Synthesis and Anti-inflammatory and analgesic activities of substituted 2-arylamino-4-(4-chlorophenyl)thiazole-5-acetic acids/esters" Indian Journal of Pharmaceutical Sciences, 61, 152-155, (1999).
14. M Attimarad "Synthesis and Anti-inflammatory activity of 7-methyl-4-hydroxy benzothiophene-6-carboxylic acid and 7-methyl-4-(6-carboxy) benzothiophenoxyacetic acid" Indian Journal of Pharmaceutical Sciences., 59, 128-131, (1997).

Papers Accepted in International Conferences

1. Mahesh Attimarad and S. Mohan "Microwave assisted one pot Synthesis of ethyl 2-(arylidenehydrazino)-4-(p-chlorophenyl)thiazole-5-acetates as potent NSAIDs" 10th International Conference on Microwave and High Frequency Heating, University of Modena and Reggio Emilia (Italy), September 12-15, 2005.
2. Mahesh Attimarad and S. Mohan. "Microwave assisted one pot Synthesis of ethyl 2-(arylidenehydrazino)-4-phenylthiazole-5-acetates as potent NSAIDs", 3rd International Microwaves in Chemistry Conference, March 3-6, 2005 Wyndham Orlando Resort, Orlando (USA).
3. Mahesh Attimarad and S. Mohan "Microwave assisted synthesis of ethyl 2,4, -di substituted thiazole-5-acetates for their antioxidant activity" IX Joint Meeting on Heterocyclic Chemistry, Urbino, Italy. 05-09 May 2004.

Guiding M Pharm. Students:

2006 : 1. Validation Process for The Determination of Mangiferin By Instrumental

Methods And

Determination of Metadoxil By Spectrophotometric Method.

2. Compatibility

Study of Active Components of Herbal Medicines with Different

Excipients by HPLC.

3. Simultaneous Determination of Nebivolol and Hydrochlorothiazide by Instrumental Methods.

2005: Synthesis and antimicrobial activity of some new thiazole derivatives

2004: Synthesis of pyridinyl coumarin derivatives for their antimicrobial activity

Reviewer for Bioorganic and Medicinal chemistry and Indian Journal of Chemistry, Section B.



*Room Location : College of
Clinical Pharmacy,
Room No :1026
Ph.: 58000000
Extn.:1801/237
Mobile no: 0530705907
Email : drsherif36
@hotmail.com*

1. Dr.Sherif W. Mansour

MBBCH, Msc, & Ph.D. Zagazig Uni, Egypt

PROFESSOR, PHYSIOLOGY

Teaching Experience : 23 Years experience in teaching endocrinology, cardiovascular physiology, physiology of the cell, renal physiology, neurology and respiratory physiology, heamatology and metabolism.

Research Interests: C.V.S., Liptin, melatonin, exercise, diabetes Mellitus, G.I.T. motility, heamostasis and factors affecting it and angiotensin – II receptors with portal hypertension– adiponectine variation with exercise.– cytokines and CVS.

PUBLISHED PAPERS : 15 publications

PUBLICATIONS :

1. Effects Of Acute And Chronic Exercise Training On Serum Leptin Levels In Rats, Zagazig university medical journal vol.6, No. 3 May 1996: 368-381.
2. Age-Related Changes In The Tracheal Smooth Muscle Responsiveness To Some Mediators Of Bronchial Asthma In Guinea Pigs. Proceeding of the first congress of clinical physiology, Zagazig October 1996: 16-25.
3. Effect Of Testosterone On Platelet Aggregation. Proceeding of the first congress of clinical physiology, Zagazig 30 October 1996: 43-52.
4. Angiotensin Converting Enzyme (ACE) Inhibition Influence On Oral Glucose Tolerance Test, Tissue Glucose Uptake And Insulin Sensitivity Tests In Rats, Proceeding of the first congress of clinical physiology, Zagazig, 1996: 129-140.
5. Effect Of Experimentally Induced Diabetes Mellitus On Gastric And Duodenal Migrating Myoelectric Complexes (M.M.C). Zagazig university medical journal special issue, Nov 1998:349-362.

6. Alterations In Some Gonadal And Hepato-renal Functions Induced By Chronic Lead Ingestion In Male Rats. Proceeding of the first congress of clinical physiology, Zagazig October 1996:68-74.
7. Effect Of Cigarette Smoking On The Pituitary-Testicular Axis And Semen Quality. Zagazig university medical journal vol.6, No.2, Mar.1999: 244-258.
8. Role Of Prokinetics In Gastrointestinal Dysfunction In Diabetes Mellitus, Zagazig university medical journal vol.5, No.1, Jan.1999: 739-763.
9. Influence of angiotensin-converting enzyme inhibition on experimental portal hypertension in rabbits, Zagazig university medical journal vol.(6), No.3,2000: 17-24.
10. Evaluation of the potential effects of Ropivacaine on the isolated heart and blood vessels of rabbits. Zagazig university medical journal vol.(7), No.5, 2001: 2335-47.
11. Effect of H₂O₂ on ischemia-reperfusion injury in isolated rabbits heart. Zagazig university medical journal vol.(7), No.7, Des.2001: 178-187.
12. Chronic zinc administration improves endothelial cell function and vascular reactivity in experimentally-induced diabetes mellitus in rats. The journal of the Egyptian society of pharmacology and experimental therapeutics.
13. Effect of angiotensin-II receptor blockade on experimental portal hypertension in rabbits. Zagazig university medical journal , Special issue, Nov.2003, 194-206.
14. Effects of melatonin administration on blood coagulability and lipid profile in experimentally diabetic albino rats. Zagazig university medical journal , Special issue, Nov.2003, 137-147.
15. Influence of Somatostatin on some haemostatic parameters in rats. Zagazig university medical journal , Special issue, Nov.2007.

Supervision :
Five dissertations MSc,
Three Thesis for Ph D. .



*Room Location : College of
Clinical Pharmacy,
Room No : 1003
Ph.: 58000000
Extn.: 1727/258
Mobile no: 0531679473
Email : [hmadkor
@kfu.edu.sa](mailto:hmadkor@kfu.edu.sa)*

Membership:

1. *Member of the Egyptian Pharmasists Organization, 1997, Egypt.*
2. *Member of Biochemistry Department, College of Pharmacy, Al-Azhar University, 1998, Assiut Branch, Assiut, Egypt.*
3. *Member of the Egyptian Society for Biochemistry & Molecular Biology, 2004, Egypt.*

2. Dr. Hafez R. Madkour ,

BSc, MSc & PhD Assiut Uni, Egypt

ASSISTANT PROFESSOR, MEDICAL AND CLINICAL BIOCHEMISTRY

TEACHING EXPERIENCE : 11 years of experience, teaching basic, medical and clinical biochemistry and molecular biology.

CURRENT PROJECTS & RESEARCH INTEREST :

1. Sharing with *Prof. Dr. Felix Kratz* - Clinical Tumor Biology Center - Albert-Ludwigs University - Freiburg - Germany in Supervision on PhD thesis Bakheet Elkot Mostafa Elsadek - Assistant Lecturer of Biochemistry, Faculty of Pharmacy, Al-Azhar University, Assiut, Egypt entitled in (Development of anticancer activity of albumin binding prodrugs of 6-Mercaptopurins)
2. Effect of Natural Medicinal Herbs "dietary Curcuma longa, Ginger (*Zingiber officinale*) and Garlic (*Allium sativum*)", as an insulinotropic agents, on experimentally induced diabetes mellitus in rats.
3. Development of anticancer prodrugs that are cleaved by PSA tumor markers in Breast Cancer.
4. Molecular biology: Proteins production, separation and purification, Gene therapy, Stem cells and their applications, Small interference RNA and their applications.
5. Possible treatment and new diagnostic tools for cancer (through development of anticancer pro-drugs) and diabetes mellitus.
6. The biological effects of *Physalis peruviana* on ccl4 induced liver cirrhosis in rats.
7. Possible finding of new diagnostic tools for cancer (new tumor marker) and diabetes mellitus.
8. Possible treatment and prevention of progress of chronic liver diseases including Chronic hepatitis, Liver cirrhosis, and hepatocellular carcinoma.
9. Role of Apoptosis and Angiogenesis in pathogenesis of different chronic diseases.

PUBLISHED & COMMUNICATED PAPERS : 12

PUBLICATIONS :

1. Mona F-El-Karn, Abdel-Raheim M. Meki and Hafez R. H. Madkor, Effect of Green Tea and Vitamin C on Rheumatoid Arthritis of Male Rat Induced with Collagen II. *Bull Egypt. Soc. Physiol. Sci.* 28 (1) 2008; 0842-1110.
2. Mohamed A. Amin, Ihab T. Abdel-Raheem and Hafez R. Madkor, Wound healing and Anti-inflammatory activities of Bee Venom-Chitosan blend films. *Egypt. J. Drug Del. Sci. Tech.*, 18 (6) 424-430- 2008.

3. Hatem Zedan and Hafez R. H. Madkor, Serum and Lesional Human Leukocyt Elastase Levels and Disease Severity in Patients with Psoriasis. , Egypt. J. Derm. & Venereol. Vol. 28, NO. 1 January 2008.
4. Ramadan A. M. Hemeida, Hafez R. H. Madkor, and Ihab T. Abdel-Raheem, Melatonin and N-acetyl cystein protect rats against Carbon tetrachloride-induced acute liver damage. Assiut Med. J. Vol. (31), No. (3), September 2007.
5. Hatem Zedan, Dalia Abd El-Aziz, Eman RM Hofny, Ramadan Saleh, Hafez R. H. Madkor, and Abdul-Halim A Abdul Halim . Oxidative Stress and Interlukin-1 Beta in Serum and Skin Lesions of Patients with Generalized Vitiligo. Egypt. J. Derm. & Venereol. Vol. 27, NO. 2 May, 2007.
6. Hatem Zedan, Hafez R. H. Madkor, Heba A Abd El-Hafeez, and Gamal AA Askar, Interferon Gamma, Immunoglobulin-E and Vascular Endothelial Growth Factor in Children with Papular urticaria. Journal of Pan-Arab League of Dermatologists, Vol. 18, NO. 3 October, 2007.
7. Hatem Zedan, Hesham A. Abd-El-bast, Alaa A Abd-Elseyed Mona F El-Karn and Hafez R. H. Madkor, Lesional Skin Vascular Endothelial Growth Factor Levels Correlate With The Clinical Severity in Patients With Cement Allergic Contact Dermatitis. Assiut Med. J. Vol. (31), No. (3) (Suppl.) September 2007.
8. H. R. . Madkor, R. T. El-Sokkary, A. M. Meki and A. Abdul Halim, Levels of Endostatin And Some Angiogenic Indices In Both Sera And Pleural Fluids Of Patients With Non Small cell Lung Cancer. The Frist Congress of Biochemistry, December 21-23,2005 and AAMJ, Vol. 4 N. 2 April, 2006.
9. H. R. Madkor, H. A. Hassan, S. M. Abdul Ghany, A. M. Meki and A. M. Faghaly, Levels of Some Proangiogenic and Antiangiogenic Indices in Patients with Chronic Liver Diseases. . The Frist Congress of Biochemistry, Department of Biochemisry, Assiut University, Assiut, Egypt, December 21-23,2005.
10. H. R. Madkor, A. M. EL-Nwehy, A. M. Meki and S. A. Mohamed, Serum leptin, insulin and insulin like growth factor-1 (IGF-1) levels in obese and non obese women with polycystic ovary syndrome (PCOS) The Egyptian Journal of biochemistry and molecular Biology: 20:2: 85-103, 2002.

Papers on Publications:

1. Endothelial injury and distribution of serum lipids and lipoproteins in children with β thalassemia.
2. Serum and placental tissues Levels of Interleukin-1beta and in women with preeclampsia.

Skill :

- 1- Basic Biochemistry Techniques including quantitative Immuno- and spectrophotometric assays.
- 2- Qualified experience with ELISA and RIA Techniques.

Conferences and Workshop attendance:

- 1- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB), Cairo, Egypt, April 28-29,2005.
- 2- The Frist Congress of Biochemistry, Department of Biochemisry, Assiut University, Assiut, Egypt, December 21-23,2005.
- 3- Workshop of (From genes to proteins) in Mubarak City For Scientific Research And Technology Applications, Burg El-Arab, Alexandria, Egypt, from 16 to 20 July 2005.
- 4- Workshop entitled: "Electronic Education Strategies " which was held on 16/2/1429 H at Hotel of Intercontinital, Al-Hasa, KSA
- 5- Workshop entitled: "Effective Learning " which was held on 10/1/1429 H at Hotel of Intercontinital, Al-Hasa, KSA



*Room Location : College of
Clinical Pharmacy,
Room No : 1001
Ph.: 58000000
Extn.: 1783/246
Mobile no: 0567895045
Email : peer001
@gmail.com*

3. Dr. Sahibzada T. Rasool

MBBS, Uni of Punjab, , MA, Uni of Scranton, USA, PhD, Wuhan Uni., China

ASSISTANT PROFESSOR , MICROBIOLOGY AND IMMUNOLOGY

Teaching Experience : 7 years of experience in teaching biochemistry, microbiology, molecular biology, immunology,

RESEARCH INTEREST : Viruses disrupt immune system and among various other aberrations, expression of several immunologically important cytokines is also altered during viral infections. My research is focused on elucidation of the interplay between viruses and the novel cytokines. On one hand I am interested in finding the effects of viruses on interleukins while on the other hand I am also keen to explore the mechanisms through which these cytokines affect different viruses.

PUBLISHED PAPERS : 12

PUBLICATIONS :

1. Sahibzada T Rasool and others, "Increased level of IL-32 during Human Immunodeficiency Virus infection suppresses HIV replication" Immunology Letters 117 (2008) 161-167
2. Muhammad Mahmood Mukhtar, Sahibzada T Rasool and others, "Origin of highly pathogenic H5N1 Avian influenza virus in China and genetic characterization of donor and recipient viruses" Journal of General Virology (2007), 88, 3094-3099
3. Wei Li, Yan Liu, Muhammad Mahmood Mukhtar, Rui Gong, Ying Pan, Sahibzada T Rasool, and others, "Activation of Interleukin-32 Pro-inflammatory Pathway in Response to Influenza A Virus Infection" PLoS ONE. 2008 ;3 (4):e1985
4. Mukhtar MM, Li S, Li W, Wan T, Mu Y, Wei W, Kang L, Rasool ST, Xiao Y, Zhu Y, Wu J. Single-chain intracellular antibodies inhibit influenza virus replication by disrupting interaction of proteins involved in viral replication and transcription. Int J Biochem Cell Biol. 2008 Jul 18.
5. Zhu C, Zhang R, Liu L, Rasool ST, Mu Y, Sun W, Hao Q, Liu F, Zhu Y, Wu J. Hepatitis B virus enhances interleukin-27 expression both in vivo and in vitro. Clin Immunol. 2008 Dec 8
6. Rabab Satti, Farah Mustafa, Muhammad Imran, Tahmina Sultana Haq, Ziad Khan, Mohammad Zubair, Sahibzada Taslim ur Rasool, Mohammad Ajmal, Raheel Qamar, "Distinctly Different Seroprevalence Rates of Hepatitis C Virus in the Twin Cities of Rawalpindi and Islamabad" Submitted to Journal of Clinical Microbiology.

7. Yanni Chen, Wei Li, Wei Wei, Guiqing Peng, Yongxin Mu, Yi Yu, Wenjie Huang, Sahibzada Rasool, Ying Zhu. "Human endogenous retrovirus W family envelope glycoprotein plays a role in Schizophrenia development by activating brain-derived neurotrophic factor and dopamine D3 receptor through calcium-dependent ERK signaling pathway" Submitted to The Journal of Neuroscience.
8. S T Rasool, The synergistic effects of organotin compounds in Polysorbate 80 as a chronic nerve toxin, University of Scranton, PA 18510 USA, 2000 (Thesis)
9. S T Rasool, et al. "Malathion, a pharmacological and toxicological review", Medical Forum, July 2004.
10. A. Hamid, A. Salaam, A.H. Asif, Shabir, R.Firdaus, T. Rasool, Syed Mudassar "Effect of Exercise on Body weight and Blood Pressure" Medical Forum, 2004.
11. A. Hamid, A. Salaam, A.H. Asif, Shabir, R.Firdaus, T. Rasool, Syed Mudassar "Effects of Exercise on Glucose, Lipid profile and Apo-Protein B Medical Forum" 2004
12. M A Niazi, S T Rasool, et al. "Tarsoraphy, an effective approach to treat indolent corneal ulcers" Rawalpindi Medical Journal, (1993), 21,20-24.

Conference Presentations

1. Sahibzada T Rasool et al. "Comparison of IL-32 and IL-27 expression in the sera of HIV infected patients and healthy individuals" The 2nd Wuhan International Symposium on Modern Virology, Division of Virology, Chinese Society for Microbiology, Wuhan, China, October 26-30, 2007
2. Sahibzada T Rasool, Jianguo Wu, Ying Zhu. "Interplay between Interleukin-32 and Human Immunodeficiency Virus". Frontiers in Immunology Research 2008, International Conference, Florence, Italy (July 22-26, 2008).
3. Talat Ahmed, Tasleem Rasool and others, Ethics for Teachers, Conference of Association for Medical Education in Europe, Amsterdam, Netherlands, 2005, pp120.
4. Syed Ghazanfar Hussain, Deming Liu, Xintang Huang, Kamal Mahir Sulieman, Jinping Liu, Tao Wang and Sahibzada-T-Rasool, Morphological and optical properties of ZnO nanoparticles and porous Microspheres" The 2nd Technology and Innovation for Sustainable Development Conference, Jan 28-29, 2008 (TISD 2008), Khon Kaen, Thailand.
5. Syed Ghazanfar Hussain, Deming Liu, Xintang Huang, Kamal Mahir Sulieman, Jinping Liu, Tao Wang and Sahibzada-T-Rasool, "Synthesis and optical properties of heterostructured ZnO:S/ZnO nanorods" International Conference on Smart Manufacturing Application (ICSMA 2008) April. 9-11, 2008 in KINTEX, Gyeonggi-do, Korea.

Experimental Skills

Biochemical and Molecular

Biology

E. coli transformation, isolation and purification of plasmid and chromosome DNA, total RNA and mRNA; PCR technique such as RT-PCR and over-lap PCR; site-directed mutagenesis. Expression and purification of recombinant protein in E coli, Preparation of polyclonal antibody.

Cellular Experiment

Cell culture, skilled at 293, 293T, Hela cells, Jurkat T cells, U251, U937 cells etc. MTT cytotoxicity assay, Cell transient transfection. Detection of Protein expressing by SDS-page, Western Blot, ELISA and Immuno-Fluorescence. Gene knock down with RNAi. Test protein-protein interaction with Mammalian Two-Hybrid Assay, Co-localization and immuno-precipitation in vivo.

Virus Experiment

Package, isolation and purification of recombinant adenovirus and Human Immunodeficiency Virus with 293T cells.

Bioinformatics

Familiar with Vector and DNASIS software for both primer designing and DNA, protein analysis; familiar with GeneBank web sites to carry out all kinds of analysis.



*Room Location : College of
Clinical Pharmacy,
Room No : 1022
Ph.: 58000000
Extn.: 1812/235
Mobile no: 0555891875
Email : afzalhaqasif
@yahoo.com,*

***Research Projects
Under Supervision/ Co-
supervision/ Guidance :***

*Effect of alcoholic/aqueous
extract of Nigella Sativa on
healing of Aspirine induced
gastric ulcer in albino rats.*

*Effect of Nigella Sativa on
Analgesic induced neph-
ropathy in albino rats.*

*Antidiabetic activity of
Alpenia Galanga.*

*Effects and interaction of
tobramycin with piperacillin
and diclofenac on rabbit
kidney.*

1. Dr. Afzal H. Asif

MBBS, BZ Uni, Pakistan, Uni of Pujab, Pkistan, PhD

ASSOCIATE PROFESSOR, PHARMACOLOGY & THERAPEUTICS

TEACHING EXPERIENCE : 22 years experience in teaching and research in pharmacology

RESEARCH INTEREST :

1. Protection against Aminoglycoside induced nephrotoxicity
2. Anti hyperlipidemia Anti arrhythmic and anti diabetic activity of indigenous plants

PUBLISHED PAPERS : 22 publications

PUBLICATIONS :

1. A.Turabi, ADanyal, S.Hassan, Y.Salat, MAhmad, AH Asif: Evaluation of suspected chronic pesticide poisoning among residents near agriculture fields, Biomedica Dec 2007;23:76-82.
2. MS Khan , MA Sheikh , A Danyal, F Tahir , M.Bashir , N Rahat , AH Asif: forum of 2004 Does LH/Testo And Testo/LH Ratio Affect Male Fertility?. Med Forum 2006; 17(6)
3. A Hamid, AH Asif, A Salam Effect of Exercise on Glucose, Lipid Profile and Apo-ProtienB. Med Forum 2004; 15(9):19-20)
4. A Hamid, AH Asif, A Salam Effect of Exercise on Body Weight and Blood Pressure. Med Forum 2004; 15(9):16-18
5. H.Subhani, B.Khizar, AH Asif, N.Javid, Seroprevalence of Hepatitis B and Hepatitis C among patients of Hepatocellular Carcinoma. Med Forum 2004, 15(7).
6. M.Zahid, AH Asif, NI Ansari, Biochemical/Functional Derangements produced by Aminoglycoside induced nephrotoxicity. Pak PGMJ 2004; 15(2)
7. ST Rasool, AH Asif, A.Hamid Malathion: A Biochemical and Pharmacological Review. Medical Forum. 2004
8. A.Hamid, AH Asif, Azhar Masud Bhatti, Shahid Rauf, Dilawar Khan Trends of Drug Dependence in Hazara Division. Med Forum 2003 14(2)
9. A Hamid, D Khan, AH Asif,.; M Naeem,.; S Rauf, Incidence of Road Traffic Accidents in Hazara Division. Med Forum 2003; 14(3): 10-12.

10. AH Asif , A.Hamid, SH Shah HHKhan, Effect of Pyridoxal-5-Phosphate on Gentamicin induced Nephrotoxicity in rabbits. Med Forum 2003; 14:7.
11. A Hamid; AH Asif, M.; Jalil, Asif; Hanif, M.; Anwar, A., Trend of Cigarette Smoking among the College Students, Medical Students and Doctors. Med Forum 2003; 14(7):13-15
12. A.Hamid , SRAuf , M.Ashraf , , N Azhar , M.Asif Jalil , AH Asif , bEffect of oral contraceptive agent on serum level of total proteins, albumin, Copper and Zinc in women. Med Forum: 13 (9); 2002.
13. S Rauf , N Sharif , A Hamid , M Naeem , AHAsif, Comparative study of serum Vitamin-A levels in Breast-fed, weaned properly and bottle-fed, weaned improperly children less than two years of age. Med Forum: 13(8); 2002.
14. A.Hamid , AHAsif , D Khan, N Azhar , Asif Jalil & Rozina Noreen Drug, driving and traffic safety in Hazara division. Med Forum: 13(8);2002.
15. MA Jaleel , R Noreen , A Hameed , AH Asif , D Khan Levels of Heavy Metals, pH, and TDS in drinking water in different areas of Multan. Med Forum: 13(8); 2002.
16. M Naeem, SRAuf, A Hamid, A.H. Asif Echocardiographic Determination of left Ventricular Pump Function in essential Hypertension. Med Forum 2002; 13(9):
17. A. Hamid , Dilawar Khan , M. Asif Jalil , AHAsif , Rozina Noreen , Iqbal Mughal , Altaf H A Survey of District Jail Abbottabad. Med Forum.2002; 13(10):11-13
18. AH Asif, Effect of Pyridoxal-5-Phosphate in Protection against Amino glycoside induced Nephrotoxicity.
19. Paper presented at International Scientific Conference, Postgraduate Medical Institute, Lahore on 22.4.1999
20. NA Noor, GMD Chauhdry, M.Masood, AH Asif, Acute poisoning in Adults in Multan (letter); JPMA: 38(11); 1988.
21. AH Asif, Aminoglycoside Nephrotoxicity and its prevention. Presentation made at Aga Khan University in Aug, 1997
22. AH Asif, Role of Pyridoxal-5-Phosphate in Protection Against Aminoglycoside induced Nephrotoxicity Thesis approved by the University of Punjab, for Postgraduate Degree in Pharmacology: 1995.

Memberships

1. Member, Medical Research Society of Pakistan.
2. Patron, Society of Pharmacology, Frontier Medical College, Abbottabad
3. Member Saudi Society for Medical Education. Kingdom of Saudi Arabia
4. Fellow Royal Society for Promotion of Health. (FRSH) UK.
5. Member American College of Clinical Pharmacy, (MACCP), USA,

Research Projects

Under Supervision/ Co-supervision/Guidance:

Effect of alpha-tocopherol and selenium on Amino--glycoside induced nephrotoxicity

Effect of alpha-tocopherol on coagulation profile of normal and aspirin treated albino rats.

Effect of alcoholic extract of Crataegus oxycantha on serum lipids of high cholesterol diet fed albino rats

Effect of Nigella sativa on coagulation profile of normal and aspirine treated albino rats.

Effect of Nigella sativa on Aminoglycoside induced nephrotoxicity

Effect of glycine on alcohol induced changes in rat liver

Effect of Alpha tocopherol alone and in combination with simvastatin or gemfibrozil on serum lipid profile in hyperlipidemic diet fed albino rats

Effect of Alpha tocopherol on healing of aspirin induced gastric ulcer in albino rats



*Room Location : College of
Clinical Pharmacy,
Room No : 1024
Ph.: 58000000
Extn.:1758/236
Mobile no:
Email : doctor_sangi
@yahoo.com
http://
www.drsangi.blackappleh
ost.com/*

2. Dr. Sibghatullah M. Sangi

MBBS, Uni.of Sindh, MPhil & PhD, Uni of Karachi, Pakistan

ASSOCIATE PROFESSOR, PHARMACOLOGY,

TEACHING EXPERIENCE : 19 years of experience, teaching Pharmacology, Therapeutics, Hospital Pharmacy ,Clinical trials, Drug marketing and monitoring including ,Evidence based medicine.

RESEARCH INTEREST :

1. Psychopharmacology
2. Cancer treatment
3. Cardiovascular pharmacology
4. Drug interactions
5. Non-opiate treatment of opioid dependence

PUBLISHED PAPERS : 12 publications

PUBLICATIONS :

1. Sibghatullah Sangi, Shahida P. Ahmed, Muhammad Aslam Channa, Muhammad Ashfaq†, Shah Murad Mastoi, A New and Novel treatment of opioid dependence: Nigella Sativa 500 mg. J Ayub Med Coll Abbottabad 2008;20(2), 118-124.
2. Safdar Ali Sheikh,Asmat kamal Ansari,Ghulam Hussein Kaka,Sibghatullah Sangi, Asymptomatic Albumin urea in apparently health individuals, Pakistan Postgraduate medical journal Vol 18 No.3, 2007.
3. Sibghatullah Sangi,Shahida P.Ahmed,Shamoon Takween,Shah Murad Mastoi , Role of Nigella Sativa In Opioid Dependence Treatment. Pakistan Journal of Pharmacology Vol.23,No.1, 2006, pp51-60
4. Dr.muhammad aslam channa,Dr.muhammad ashfaque,Dr.Sibghatullah sangi,Dr.muhammad Baqar soomro Toxicity of Ciprofloxacin; preventive role of zinc chloride on appearance of secondary ossification centers in wistar albino rat litters The professional vol:11, No:01, 2004
5. Muhammad aslam channa ,Muhammad Ashfaque,Sibghatullah sangi,Muhammad azam qureshi Muhammad Zahoor janjua. Effects of ciprofloxacin on secondary ossification centers in juvenile wistar albino rats. Published in JAMC journal of Ayub medical college vol:16 No.3 2004
6. Sibghatullah Sangi, Kausar Aamir, Jamal Ara and Saeed A. Mahar “Effects of Diazepam & Promethazine on Uterine Contractions induced by prostaglandin E₂ (PGE₂) Journal of Surgery Pakistan (International), Vol. 8 (1) 2003 pp. 06-09.

7. Abdul Qadeer, Muhammad Talat Mehmood, *Sibghatullah Sangi*, Muhammad Shahab Athar and Saeed Ahmed Mahar, Trichobezoar and Gastric polyps: A rare association *Journal of Surgery Pakistan (International)* Vol. 8 (1) 2003 pp. 28-29
8. Dr.Muhammad Aslam channa, Dr.Muhammad zahoor janjua, Dr.Muhammad Baqir soomro Dr.Sibghatullah sangi, Protective role of Anti-oxidant against hepatotoxicity by ciprofloxacin in wistar albino rats, *THE PROFESSIONAL* vol:10,No:03, 2003.
9. *Sibghatullah Sangi*, Kausar Aamir, Jamal Ara, Shafique Ahmed, Arshad Qureshi, Muhammad Farooque, Naseemullah Siddiqui and Saba Tasneem, Effects of Diazepam on Uterine contractions, produced by prostaglandin E₂ (PGE₂)” *Journal of Baqai Medical University* , Vol. 5, No. 1 (2002) pp. 13-16.
10. Arshad Qureshi, Kausar Aamir, *Sibghatullah Sangi*, Muhammad Arif, Saba Tasneem and Jamal Ara. “Role of Montelukast in ovalbumin sensitized guinea pig lung parenchymal tissue in comparison with varapamil in vitro” *Journal of Baqai Medical University*, Vol. 5, No. 1 (2002) pp. 17-20.
11. Sibghatullah Sangi, Kausar Aamir, Jamal Ara, Saba Tasneem, Arshad Qureshi, Nighat Kafil and Shah Murad Mastoi “Effects of Promethazine on Uterine Contractions, produced by Prostaglandin E₂ (PGE₂), *Journal of Surgery Pakistan (International)* Vol. 7 (4), 2002 pp. 08-11.
12. Kausar Aamir, *Sibghatullah Sangi*, Jamal Ara, Saeed A Mazhat, Zulfiqar Rahujo “A study of Flovoxamine in hospital out patients with major depressive illness” *Journal of Surgery Pakistan*, Vol. 6, No. 3 (2001) pp. 34-36.
13. Dr Sibghatullah sangi "Effects of Diazepam and Promethazine over uterine contractions induced by Prostaglandin E₂(PGE₂), M.Phil Thesis, B.M.S.I,JPMC, Karachi,2001.
14. Badar Faiyaz Zuberi, Shankar Lal Rathi, *Sibghatullah Sangi*, Ramzan Rajput & Nawaz Lashari:Relapse of peptic ulcer after eradication of helicobacter pylori with low dose, short-term one week triple therapy” *Journal of College of Physicians & Surgeons Pakistan*, Vol. 8, No. 5 (1998) pp. 224-226.

Membership

1. The Pakistan Pharmacological society.
2. Board of studies in Pharmacology, University of Karachi, Pakistan.
3. List member, American Association for treatment of opioid dependence

CME Activities

What antibiotic should be used in a child with suspected meningitis? And when? on 11/11/2007. AHC Media LLC Atlanta, Georgia.

Central Venous Lines Pose High Risk for Infection on 11/11/2007, AHC Media LLC Atlanta, Georgia 30374-0058

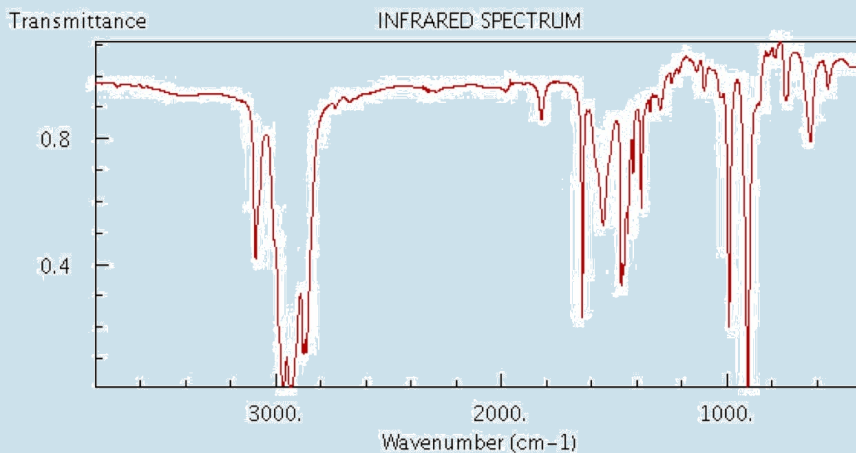
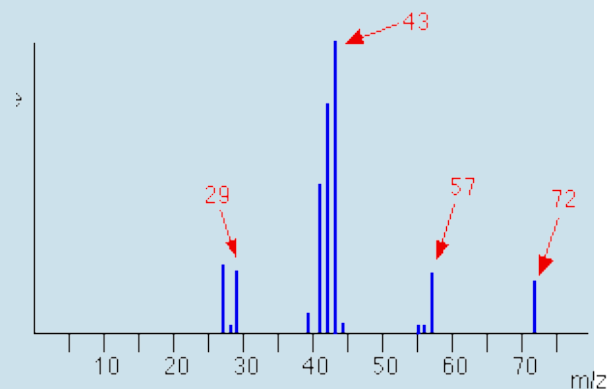
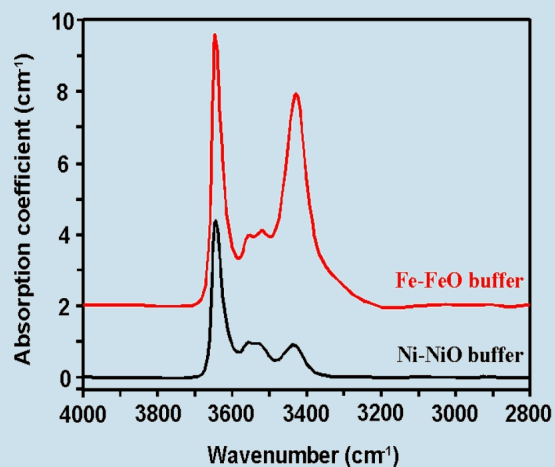
Clinical trial problems in England raise ethical questions in US on 11/11/2007. AHC Media LLC Atlanta, Georgia 30374-0058

New Developments in Metastatic Breast Cancer on 11/11/2007 The Center for Bio-Medical Communication, Inc. (CBC) 433 Hackensack Avenue, Hackensack, NJ 07601

Moving Addiction Therapy into the 21st Century: Practical Management Options, CME Outfitters, LLC, 2400 Research Boulevard, Suite 425 · Rockville, MD 20850, Nov 2007,



ANALYTICAL INSTRUMENTS



“Analysis of a sample is not the true aim of analytical chemistry... the real purpose of the analysis is to solve a problem.”



Gas Chromatograph / Mass Spectrometer (GC/MS)

GCMS is the technique for separation of thermally stable and volatile compounds and detection of these compounds by mass spectrometer.

Make / Model : Shimadzu, GCMS-QP2010

Carrier gas : Helium

Mass Range : 10-1500 m/z

Resolution : $R > 2M$ (FWHM)

Maximum temp : 450°C

This instrument is used for qualitative and quantitative determination of organic and Pharmaceutical compounds in biological samples, separation and identification of unknown compounds, trace analysis and determination of isotopic contents, analysis of herbicides, pesticides, structural elucidation of molecules etc.



Liquid Chromatograph / Mass Spectrometer (LC/MS)

LC-MS, (alternatively **HPLC-MS**) is a technique that combines the physical separation capabilities of HPLC with the mass analysis capabilities of mass spectrometry. If the molecules are a nonvolatile and polar macromolecule, the choice would be LCMS for the separation and identification.

Make / Model : Agilent LCMS- 1200 series

Mass Range : 10-1500 m/z

Mass Accuracy : ± 0.13 U

LC-MS is very commonly used for qualitative and quantitative analysis in pharmacokinetic studies of pharmaceuticals, proteomics, Drug discovery and development.

High Performance Liquid Chromatography (HPLC)

HPLC, the most powerful of all the chromatography techniques, can often easily achieve separations and analyses that would be difficult by other techniques. HPLC methods use a special kind of column and a mobile phase

Make / Model : Shimadzu class LC-20AT

Detectors : UV/Visible and fluorescence

HPLC is one of the most widely used analytical techniques. The speed, versatility and reliability of HPLC have been major factors for its acceptance both as a research tool and for routine analysis. With a variety of column packings and solvents, HPLC can be used in various areas.



FTIR Spectrophotometer

FTIR can be routinely used to identify the functional groups and identification/quality control of raw material/finished products. High signal to noise ratio makes FTIR more useful for difficult samples.

Make/Model : Shimadzu, FTIR-8400S

scan range : 4000 cm^{-1} to 400 cm^{-1}

Resolution : 1 cm^{-1}

IR absorption has numerous applications in qualitative and quantitative analysis.



UV-Visible Spectrophotometer

The optical absorption by samples in the ultraviolet and visible regions are measured with this instrument. The absorption of light is directly proportional to the concentration of the components. In this region of the electromagnetic spectrum, molecules undergo electronic transitions.

Make/Model : Shimadzu, UV-1700

Spectrum Range : 1100-190 nm

Wavelength accuracy : $\pm 0.1\text{ nm}$

UV/Vis spectroscopy is routinely used in the quantitative determination of solutions of transition metal ions and highly conjugated organic compounds.





Atomic Absorption Spectrophotometer

Atomic absorption spectrophotometry provides accurate quantitative analyses of trace elements (ppm level) in a variety of samples from different fields including organic matters, pharmaceutical samples, medical samples, rocks etc. Samples are analyzed in solution form, so solid samples must be leached or dissolved prior to analysis.

Make / Model	:Shimadzu, AA-6300
Carrier gas	:Acetylene
Wavelength Range	:185-900 nm
Detector	: Photo multiplier and semiconductor

This instrument is used for Qualitative and Quantitative determination of metal ions in biological samples. Further it is very useful in the quality control of most of the industries.



Spectrofluorophotometer

Spectrofluorophotometer is a type of electromagnetic spectrophotometer which analyzes fluorescence from a sample. It involves using a beam of light, usually ultraviolet light, that excites the electrons in molecules of certain compounds and causes them to emit light of a lower energy.

Make / Model	:Shimadzu, RF-5301PC
Wavelength Scan Range	: 220-900 nm and zero order light
Wave length accuracy	: ± 1.5 nm
Detector	: Photomultiplier tube

It is used in biochemical, medical, and chemical research fields for analyzing organic compounds.

Differential Scanning Calorimeter (DSC)

Differential scanning calorimetry is a thermoanalytical technique in which the difference in the amount of heat required to increase the temperature of a sample and reference are measured as a function of temperature. Both the sample and reference are maintained at nearly the same temperature throughout the experiment.

Make / Model	: Perkin Elmer
Temperature Range	: -150 °C to max. 700°C
Measurement range	: ± 350 mW at RT
Temperature Accuracy	: ± 0.2°C
Temperature reproducibility	: ± 0.1°C
Heating rate	: RT to 700°C in 7 min
Cooling rate	: + 100°C to - 100°C in 15 min

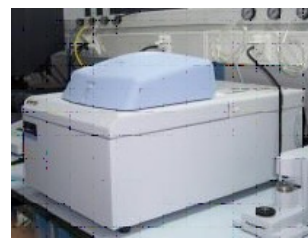
The main application of DSC is in studying phase transitions, such as melting, glass transitions, or exothermic decompositions, chemical kinetics etc.

Thermal Cycler

The TC-412 provides the researcher with the means of accurately controlling the temperature profile of samples.

Make/Model	: Techne/ TC 412
Temperature	: Range : 4 °C to 99 °C
Temperature accuracy	: ± 1 °C
Heating rate	: 2.5 °C/sec
Cooling rate	: 1.3 °C/sec

It has many scientific applications including DNA amplification, sequencing and polymerase chain reactions (PCR).





Tunable Microplate Reader

The VERSAmax reader is used to detect biological, chemical or physical events of samples during different types of assay. The narrowly focused light beam and optical design give the same high performance with round bottom, flat bottom, or half area well plates. The dual-wavelength readings report the actual absorbance at each wavelength. The reader also provides controlled temperatures, up to 45° C, for kinetics at ambient and elevated temperatures.

Make / Model : VERSAmax
 Wavelength Range : 340-850 nm
 Wavelength Accuracy : ±1.0 nm
 Detector : Silicon Photodiode

The VERSAmax reader covers a wide range of applications. Microbial growth/ MIC IC 50s/LD 50s, Endpoint ELISAs/EIAs, Cytoproliferation/cytotoxicity, Colorimetric protein, Kinetic ELISAs/enzyme assays, Platelet aggregation Bacterial identification, Clotting/clot lysis.



Polarimeter

Polarimeter can be used to measure various optical properties of a material, including linear birefringence, circular birefringence (also known as optical rotation or optical rotary dispersion), linear dichroism, circular dichroism and scattering.

Make/ Model : Bellingham, Polarimetry ADP220.
 Range : -90 to +90 °A
 Resolution : 0.01
 Accuracy : 0.02
 Light source : LED/Interference filter (589.3 nm)
 Reading time : 15 sec
 Temperature : 5-40 °C
 Optical density range : 0.0 to 2.0 OD

Used for the determination of PURITY, Specific Rotation, Concentration and inversion of optically active compounds.

Densitometer

Double beam scanning densitometer is employed for both the *accurate identification* of the spot position and the *precise quantitative estimation* of TLC plate, one-dimensional and two-dimensional electrophoregrams, and micro plates content. The zigzag scanning method using flying spot method will eliminate errors caused by irregular shape of chromatographic spots.

Make /model : Shimadzu, CS-9301PC

Measuring wavelength range : 200-650 nm

Photometric system : Double-beam monitor, dynode feedback system

Measuring mode : Transmission- or reflection-absorption photometry in single or dual wavelength method.

Sample scanning mode : Zigzag scanning with the flying spot method

Scanning range : X direction 5 ~ 195 mm
Y direction: 2 ~ 185 mm

Scanning speed : Linear scanning: 125 mm/min.
Zigzag scanning: 0.4W x 0.4H mm/min

The reliable densitometry of TLC, DNAs, electrophoretic gels, micro plates and even study of solid surface can be used for qualitative and quantitative analysis of proteins and DNAs.





**College of Clinical Pharmacy
King Faisal University**

Phone: 00966-3- 5817175,
00966-3-5800000,
Extn : 1783
Fax: 00966-3-5817174
E-mail: clinicalpharm@kfu.edu.sa



kfu@edu.sa

“When man takes one step to God, God takes ten steps towards him. But the first step is to be taken by man”