

Mahmud Tareq Hassan Khan

Father's Name : Dr. Mohammad Hassan Ali Khan

Mother's Name : Mrs. Mahmuda Hassan

Date of Birth : September 23, 1973.



Present and mailing address:

Department of Biochemistry and Molecular Biology
Center for Biotechnology, University of Ferrara,

Via L. Borsari 46,

I-44100 Ferrara, ITALY

Cell. +39-0335-1553899; Fax. +39-0532-424500

E-mails: khnmd@unife.it mthkhan2002@yahoo.com;

Websites: <http://myprofile.cos.com/mthkhan>; www.geocities.com/mthkhan2002/index.html

Permanent address:

House # 21, Road # 3 (main), Section # 11,

Mirpur, Dhaka-1221, Bangladesh

Telephone No.: 880-02-8018175

Marital status : Married

Name of Spouse : Arjumand Ather (Date of birth: Sep. 29, 1976) (Biotechnologist)

Name of Son : Araz Mahmud Khan (Date of birth: Oct. 01, 2004)

Academic qualifications:

Ph. D. - H.E.J. Research Institute of Chemistry, Univ. of Karachi, Pakistan - Onward

M.Pharm. (Thesis) - University of Science and Technology, Chittagong, Bangladesh - 1996

B.Pharm. (Hons.) - Do. - 1995

Fellowships and Awards:

1. Research Fellowship, World Health Organization (WHO) (1999-2000).
2. The South-South Fellowship, Third World Academy of Science (TWAS), Italy (2001-2003).
3. The UNESCO-MCBN Fellowship, Switzerland (2003-2004).
4. "Young Investigator's Award", on Bioinformatics, PRICPS 2004, jointly by The Protein Society USA and the Protein Society of Japan (2004).
5. The CIB Fellowship, Italy (2004).
6. Associazione Veneta per la Lotta alla Talassemia (AVTL), Italy (2004-2005).

Professional memberships:

1. European Federation of Biotechnology (EFB);
2. European Association of Pharma Biotechnology (EAPB);
3. International Society for Computational Biology (ISCB), U. S. A.
4. European Society for Ethnopharmacology (ESE),
5. French Society for Ethnopharmacology, France,
6. Swiss Genomic Society (SGS), Switzerland,
7. International Society for Ethnopharmacology (ISE), Netherlands,
8. Canadian Society for Pharmaceutical Sciences (CSPS) [Membership # 524], Canada,
9. Japanese Society of Pharmacognosy (JSP) [Membership # 021-010-3930(1)], Japan,
10. Asian Network for the Research on Antidiabetic Plants (ANRAP), Asia,
11. Chemical Society of Pakistan (CSP), Pakistan,
12. Bangladesh Pharmaceutical Society (BPS), Bangladesh,
13. Pharmacy Graduate Association (PGA), Bangladesh,
14. Bangladesh Association for Scientists and Scientific Professions (BASSP),
15. Bangladesh Photographic Society (BPS), Bangladesh,
16. Chittagong Photographic Society (CPS), Bangladesh, etc.

Journal Affiliations: **Reviewer of –**

- Bioorganic and Medicinal Chemistry, Elsevier Science, Netherlands
- Pakistan Journal of Science and Industrial Research, Pakistan

 **Guest Editor**

- Minerva Biotechnology, Italy

Professional Training/Courses Attended:

1. Six weeks “In-plant Training” program successfully completed in the Factory of *GlaxoWellcome* (BD.) LTD., Chittagong, Bangladesh, 1997.
2. Successfully done 7 days training on “Marketing and Regularity Affairs” organized by Pharmacy Graduates Association (PGA) in Dhaka from May 29 to June 4, 1999.
3. Successfully done 7 days training on “Utilization of Polymer and Biopolymer Chemistry”, Dr. Shahadat Ali, Wolongong University, Australia, 2001.
4. Successfully done 7 days training on “Bio-inorganic Chemistry and their Medicinal Properties”, Dr. Mahroof Tahir, St. Claud State University, Minnesota, USA, 2001.

5. Successfully done 15 days training on “Scientific Integrity” organized by H.E.J Research Institute of Chemistry, University of Karachi, Pakistan, August 1 to 15, 2002.
6. Successfully done 7 days training on “Total Synthesis of Important Natural Alkaloids”, Prof. Ichiya Ninomya, Kobe Pharmaceutical University, Japan, October, 2002.
7. Successfully done 7 days training on “Diabetes and AGEing and their Complications”, conducted by Dr. Neesar Ahmed, Department of Biological Sciences, Manchester Metropolitan University, UK, April, 2003.
8. Successfully attended “International Workshop on Bioinformatics” organized by COMSTECH-PTCL Frontier Technologies Research Center, Islamabad, Pakistan, April, 2003.
9. Successfully attended “International Workshop on The Development of Medicines from Plants” organized by H.E.J.-COMSTECH-TWAS, Karachi, Pakistan, September 8-13, 2003.
10. Successfully attended seven days several workshops on “New Approaches to Structure and Function of Proteins in Pacific-Rim”, organized jointly by the Protein Society, U.S.A., and the Protein Society of Japan, April 14-18, 2004, Yokohama [**Japan**].

Extra-curricular activities:

- (1) Attended multiple numbers of Campaigns from Boy Scouting.
- (2) Attended multiple numbers of Science Fairs from a numbers of Science Clubs of Chittagong city.
- (3) Obtained Special Prize in 12th National Science Fair, 1989, North Zone, Government Mohsin College, Chittagong, Bangladesh.
- (4) Obtained Trophy for the Third position in 12th National Science Fair, 1989, South Zone, Government City College, Chittagong, Bangladesh.
- (5) Obtained Third Prize in the Monthly competition in Chittagong Photographic Society (CPS), 1997.
- (6) Champion, Inter-class Debate Competition-'98, organized by Students' Welfare Council, USTC, Chittagong, Bangladesh.
- (7) Attended different national and international photographic competitions and exhibitions from the years 1992 to 1998.

Positions held:

- (1) As Director, for 2 consecutive years of Science Club of Chittagong, 1987 to 1988.
- (2) As Executive Member, central executive committee, Kolokantha Grameen Biggan Club, Chittagong, 1988.
- (3) As Director, for 3 consecutive years of Kishor Biggan Shongho, Chittagong, 1989 to 1991.
- (4) As Organizing Secretary, Bangladesh Pharmacy Student Association (BPSA), University of Science and Technology Chittagong, Chittagong, Bangladesh.

Seminars, Workshops and Conferences Attended:

- (1) Workshop on “*Good Manufacturing Practice*”, 14th July, 1993, Hotel Sheraton, organized by Bangladesh Pharmaceutical Society, Dhaka. [**Bangladesh**]
- (2) Seminar on “Synthetic process of Ampicillin and Amoxicillin”, November, 1994, organized by the University of Science and Technology Chittagong. [**Bangladesh**]
- (3) Seminar on “*Disprin[®] CV-100*”, September, 1995, Organized by the University of Science and Technology Chittagong. [**Bangladesh**]
- (4) “First Diabetes and Endocrine Conference”, October 28, 1995, organized by Diabetic Association of Bangladesh and Bangladesh Endocrine Society, Dhaka. [**Bangladesh**]
- (5) “General Assembly and 2nd Meeting”, Asian Network for the Research on Antidiabetic Plants (ANRAP), 01-02, February, 1996, organized by Asian Network for the Research on Antidiabetic Plants (ANRAP), Dhaka. [**Bangladesh**]
- (6) Seminar on “Uses of X-Ray Diffraction Spectroscopy in the Identification of Pure Compounds”, February, 1996, organized by the Department of Chemistry, Jahngirnagar University, Savar, Dhaka. [**Bangladesh**]
- (7) Second International Seminar, “*Plant Materials as a source of Antidiabetic Agents*”, 06-08, December, 1997, organized by Asian Network for the Research on Antidiabetic Plants (ANRAP), Dhaka. [**Bangladesh**]
- (8) Seminar on “*Traditional and Modern Use of Plants for Healing*”, 21st February, 1999, organized by Bangladesh Association for Scientists and Scientific Professions (BASSP), Dhaka. [**Bangladesh**]
- (9) Second Conference on “*Diabetes in Middle East, Eastern Mediterranean and South East Asia (DIMEMSEA-2000)*”, 02-04 March, 2000, jointly organized by BIRDEM and Diabetic Association of Bangladesh (DAB), Dhaka. [**Bangladesh**]

- (10) National Seminar on Antidiabetic Plants and Plants Materials, April 8, 2000, organized by Asian Network for the Research on Antidiabetic Plants (ANRAP), Dhaka. **[Bangladesh]**
- (11) Third International Seminar, “*Plant Materials as a source of Antidiabetic Agents*”, 16-17, November, 2000, organized by Asian Network for the Research on Antidiabetic Plants (ANRAP), Dhaka. **[Bangladesh]**
- (12) Tenth Asian Symposium on Medicinal Plants, Spices and Other Natural Products (ASOMPS X), 18-23, November, 2000, organized by Department of Chemistry, University of Dhaka, Dhaka. **[Bangladesh]**
- (13) 2nd National Seminar on Antidiabetic Plant Materials: Separation Techniques and Biological Testing, organized by Asian Network for the Research on Antidiabetic Plants (ANRAP), BCSIR Laboratories Chittagong, 10-11, February, 2002. **[Bangladesh]**
- (14) International Seminar of “Role of Science and Technology in Sustainable Development” organized by H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in September 22-23, 2002. **[Pakistan]**
- (15) “First Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, organized by H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in September 24-26, 2002. **[Pakistan]**
- (16) “3rd International and 13th National Chemistry Conference” jointly organized by Department of Chemistry and H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in December 28-31, 2002. **[Pakistan]**
- (17) “7th International Symposium on Protein Structure Function Relationship” organized by H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in January 20-24, 2003. **[Pakistan]**
- (18) “3rd World Congress on Medicinal and Aromatic Plants for the Human Welfare (WOCMAP III)” organized by Department of Biological Sciences, Chiang Mai University, Thailand, in February 3-7, 2003. **[Thailand]**
- (19) “1st International and National Symposium on Biotechnology” organized by the Center for Advanced Studies in Biotechnology, University of Sindh, Jamshoro, Pakistan, in March 22-23, 2003. **[Pakistan]**
- (20) Satellite Symposium on “Protein Structure in a Broad Perspective” organized by Yokohama University, April 14, 2004, Yokohama **[Japan]**.
- (21) Workshop on “Gender Equality in Protein Science”, organized by the Working Group on Gender Equality, Osaka University, April 15, 2004, Yokohama **[Japan]**.

(22) “The 1st Pacific-Rim International Conference on Protein Science (PRICPS 2004)” on “New Approaches to Structure and Function of Proteins in Pacific-Rim”, organized jointly by the Protein Society, U.S.A., and the Protein Society of Japan, April 14-18, 2004, Yokohama [**Japan**].

Broad Research Topics:

✚ **Bachelor of Pharmacy (B. Pharm.) Research Topic: *Pharmacology and Toxicology***

“Pharmaco-Toxicological Study of *Nigella sativa* Linn. and Pharmacotaxonomic study and Clinical Trials on Female UTI Patients and Male Normotensive Subjects”.

✚ **Master of Pharmacy (M. Pharm.) Research (Thesis) Topic: *Pharmacology and Virology***

“Study of the Pharmacological Activities of Mohot Ponchomul and Its’ Individual Ingredients”.

✚ **Doctor of Philosophy (Ph. D.) Research (Thesis) Topic: *Biotechnology (onward)***

“Molecular Modeling of Tyrosinase Inhibitors and their Docking Experiments through Bioinformatic Approaches”.

✚ **Post-Doctoral Research Topic: *Molecular Biology and Anticancer Drug Discovery***

“Antitumor properties of Medicinal Plant Extracts: Identification of Molecules able to Interfere with Protein-DNA Interactions”.

— — —

List of Publications (LOP)

(A) Chapters in Books:

- [1] **Khan MTH**. “Chakma Talika Cikitsa – The Therapeutic System of the Chakma Tribe of Chittagong Hill Tract of Bangladesh” in “The Handbook of Ethnotherapies” *Edited by*, Gottschalk-Batschkus, C.E. and Green, J.C., published from Institute for Ethnomedicine, Munich, October, 2002, pp. 373-386 [in both English and German languages, **Germany**] [<http://www.institut-ethnomed.de/handbuch.html>].
- [2] Ather A, **Khan MTH**. Chakma Talika Cikitsa: Chemistry and Pharmacology – Part I. *In press*, Institute for Ethnomedicine, Munich, October, 2004, *in press* [in both English and German languages, **Germany**] [<http://www.institut-ethnomed.de/>].
- [3] Ather A, **Khan MTH**. Chakma Talika Cikitsa: Chemistry and Pharmacology – Part II. *In press*, New Trends in Research Strategies for Development of Lead Molecules from Natural Products, **Ed. Khan MTH**, Elsevier Science, The Netherlands, 2004.
- [4] Lampronti I, **Khan MTH**, Bianchi N, Lambertini E, Piva R, Borgatti M, Gambari R. Antitumor properties of medicinal plant extracts: from natural products to drugs. *In press*, New Trends in Research Strategies for Development of Lead Molecules from Natural Products, **Ed. Khan MTH**, Elsevier Science, The Netherlands, 2004.
- [5] Mischiati C, Sereni A, **Khan MTH**, Lampronti I, Gambari R. Effects of plant extracts on gene expression profiling: from macrorrays to microarray technology. *In press*, New Trends in Research Strategies for Development of Lead Molecules from Natural Products, **Ed. Khan MTH**, Elsevier Science, The Netherlands, 2004.
- [6] Lampronti I, **Khan MTH**, Bianchi N, Feriotto G, Mischiati C, Borgatti M and Gambari R. Inhibitory effects of medicinal plant extracts on molecular interactions between DNA and transcription factors. *In press*, New Trends in Research Strategies for Development of Lead Molecules from Natural Products, **Ed. Khan MTH**, Elsevier Science, The Netherlands, 2004.

(B) Already been published or accepted for publications:

In the year 1994

- [7] **Khan MTH.** Peptic Ulcer and Its' Management, *Tablet-Caplet*, July, 1994, 13-15.
[Bangladesh]

In the year 1995

- [8] **Khan MTH.** Drug in Focus, *Seminar Proceeding on Aspirin*, September, 1995, 23-26
[Bangladesh].

In the year 1997

- [9] **Khan MTH, Jabbar S, Choudhuri MSK, Gafur MA.** Anti-inflammatory Evaluation of *Nigella sativa* Linn. on Rats Using Plethysmographic Method, *Tablet-Caplet*, January, 1997, 5-6 [Bangladesh].
- [10] **Khan MTH, Jabbar S, Choudhuri MSK, Kawser H, Gafur MA.** Comparative Study of the Analgesic Activity of Some Medicinal Plant Parts with Some Other Standard Analgesic Agents, *Tablet-Caplet*, January, 1997, 20-23 [Bangladesh].
- [11] **Khan MTH, Jabbar S, Choudhuri MSK, Chowdhury MH, Gafur MA, Ahmed K, Roy BK.** Analgesic Property of Some Medicinal Plant Parts Used In Various Ayurvedic Preparations, *USTA*, 1997, 78-82 [Bangladesh].

In the year 1998

- [12] **Khan MTH, Choudhuri MSK.** Acute and Chronic Metabolic Study of *Nigella sativa* Linn., *Hamdard Medicus*, 1998, XLI (1), January-March, 44-51 [Pakistan].
- [13] **Khan MTH, Jabbar S, Choudhuri MSK.** Clinical Trials on Male Normotensive Subjects and Female UTI Patients Treated with the Seeds of *Nigella sativa* Linn., *Hamdard Medicus*, 1998, XLI (3), July-September, 56-60 [Pakistan].
- [14] **Jabbar S, Khan MTH, Choudhuri MSK, Chowdhury MH, Gafur MA.** Analgesic and anti-inflammatory activity of *Semecarpus anacardium* Linn., *Hamdard Medicus*, 1998, XLI (4), October-December, 73-80 [Pakistan].

In the year 1999

- [15] **Jabbar S, Khan MTH, Choudhuri MSK, Gafur MA, Ahmed K.** Effect of *Semecarpus anacardium* Linn. on acute experimental diarrhoea, *Hamdard Medicus*, 1999, XLII (1) (January-March), 48-53 [Pakistan].
- [16] **Khan MTH, Jabbar S.** Antimicrobial Activity of *Nigella sativa* Linn. and *Semecarpus anacardium* Linn. Against *Escherichia coli* in vitro, *Hamdard Medicus*, 1999, XLII (2) (April-June), 16-18 [Pakistan].

In the year 2000

- [17] Shohel Rana, Chowdhury MH, **Khan MTH**. Determination of Ciprofloxacin in its tablet forms by means of Fluoride estimation. *Hamdard Medicus*, April-June, 2000, Vol. XLIII, No. 2, 97-98 [**Pakistan**]
- [18] **Khan MTH**, Jabbar S, Choudhuri MSK, Gafur MA, Ahmed K. Antimotility and antidiarrhoeal effects of *Nigella sativa* Linn., as an antagonist to 5-hydroxytryptamine (Serotonin). 2000, 37(9), September, 426-432, *Indian Drugs* [**India**].
- [19] **Khan MTH**, Jabbar S, Choudhuri MSK, Gafur MA. Analgesic and anti-inflammatory activity of the aqueous extracts of the seeds of *Nigella sativa* Linn. On rodents *Hamdard Medicus*, 1999, XLII (4), 22-29 (September-December), [**Pakistan**].
- [20] Shahriar M, Choudhuri MSK, Sattar M, **Khan MTH**, Gafur MA. Pharmacological activities of *Symplicos recemosa* Roxb. *Hamdard Medicus*, April-June, Vol. XLIII (2), 8-18 [**Pakistan**].
- [21] **Khan MTH**, Jabbar S. Diabetes mellitus: The treatment and complications. *Hamdard Medicus*, July-September, 2000, (Vol. XLIII, No. 3) [**Pakistan**].
- [22] Neelutpol S, Choudhuri MSK, **Khan MTH**, Jabbar S. Metabolic study of Patrangasav - A classical Ayurvedic preparation. *Bangladesh Journal of Integrated Medicine*, July, 2000 [**Bangladesh**].
- [23] Jabbar S, **Khan MTH**, Choudhuri MSK. Acute metabolic study of the aqueous extract of the whole plant of *Solanum xanthocarpum* Burm. f. *Bangladesh Journal of Integrated Medicine*, July, 2000 [**Bangladesh**].
- [24] Shohel Rana, Chowdhury MH, **Khan MTH**. The Quality of Some Commonly Used Dentifrice Powders: A Comparative Study. *Bangladesh Journal of Integrated Medicine*, July, 2000 [**Bangladesh**].
- [25] **Khan MTH**, Jabbar S, Choudhuri MSK, Gafur MA. Effects of the Crude extracts of *Nigella sativa* Linn. on Isolated Guinea-pig Tracheal Chain Preparations, *Hamdard Medicus*, October-December, 2000 (vol. 4) [**Pakistan**].

In the year 2001

- [26] **Khan MTH**. Traditional Medicines and Plant Drugs in Hepatic Diseases, *Hamdard Medicus*, Vol. XLIV (2) April - June issue of year 2001 [**Pakistan**].
- [27] Jabbar S, **Khan MTH**, Choudhuri MSK. The effects of the aqueous extracts of the *Desmodium gangeticum* DC. (Leguminosae) on the central nervous system. *Die Pharmazie*, 2001, 56(6), 506-508 [**Germany**] [PMID: 11446174].

- [28] **Khan MTH**, Matsui T, Matsumoto Y, Jabbar S. *In vitro* Angiotensin Converting Enzyme (ACE) inhibitory effects of some Bangladeshi Plant extracts. *Die Pharmazie*, 2001, 56(11), 902-903 [**Germany**] [PMID: 11817183].
- [29] Chakma TK, **Khan MTH**, Alamgir M, Jabbar S, Choudhuri MSK, Gafur MA, Ahmed K. Effects of Some Medicinal Plants and Plant Parts Used in Ayurvedic System of Medicine on Isolated Guinea-pig Ileum preparations. In press, *Hamdard Medicus*, Vol. XLIV (2) April-June, 2001 [**Pakistan**].
- [30] Jabbar S, **Khan MTH**, Choudhuri MSK. Acute metabolic study of the individual ingredients of the Dashamulakwath. *Hamdard Medicus*, 2001 [**Pakistan**].
- [31] Jabbar S, **Khan MTH**, Choudhuri MSK. Acute and Chronic Metabolic Studies of *Semecarpus anacardium* Linn. on Experimental Animals. *Hamdard Medicus*, 2001 [**Pakistan**].
- [32] **Khan MTH**, Jabbar S. Antidiabetic Plants of Bangladesh in the Perspective of Clinical Research. *Hamdard Medicus*, 2001, XLIX (4), 51-56 [**Pakistan**].
- [33] Chakma TK, Rahman T, **Khan MTH**, Jabbar S, Choudhuri MSK. Screening of Some medicinal plants for their effects on the Gastrointestinal motility of the Laboratory animals. July-September, 2001, *Hamdard Medicus* [**Pakistan**].
- [34] Neelutpol S, Choudhuri MSK, **Khan MTH**, Jabbar S. Biopharmaceutic and Skin Toxicity Studies of *Semecarpus anacardium* Linn. *Hamdard Medicus*, 2001 [**Pakistan**].
- [35] Akhtar Y, Jabbar S, Hannan JMA, Alamgir M, Choudhuri MSK, **Khan MTH**. Neuropharmacological study of Asokarishta - a classical Ayurvedic formulation used for the treatment of Dysmenorrhoea. *International Journal of Oriental Pharmacy and Experimental Medicine*, 2001, 1(1), 18-26 [**Korea**].

In the year 2002

- [36] **Khan MTH**, Jabbar S, Choudhuri MSK. Gastrointestinal and Diuretic effects of the aqueous extracts of the stem bark of *Aegle marmelos* Correa. [*In press*, January-February, 2002, *Hamdard Medicus*. [**Pakistan**]
- [37] Akhtar Y, Choudhuri MSK, Sattar M, Alamgir M, Jabbar S, **Khan MTH**. Asokarishta - studies on metabolism and gastrointestinal motility. [*in press*, *Hamdard Medicus*, vol. XLV (3), July-September, 2002. [**Pakistan**]
- [38] Gafur MA, Ahmed K, Roy BK, **Khan MTH**, Jabbar S, Choudhuri MSK. The Effect of the Crude Extracts of *Nigella sativa* Linn., *Semecarpus anacardium* L. and *Butea monosperma* Kuntze on Guinea-pig Ileums and Intact GIT of Rats. 2002 [*in press*, *Journal of Science and Industrial Research*. [**Bangladesh**]

- [39] Gafur MA, Ahmed K, Roy BK, **Khan MTH**, Jabbar S, Chowdhury MH, Choudhuri MSK, Alamgir M. Effect of *Nigella sativa* Linn., *Semecarpus anacardium* L. and *Butea monosperma* Kuntze on Isolated Rat Uterus. 2002 [*in press*, Journal of Science and Industrial Research. **[Bangladesh]**]
- [40] **Khan MTH**, Lampronti I, Martello D, Bianchi N, Jabbar S, Choudhuri MSK, Datta BK, Gambari R. Identification of pyrogallol as an antiproliferative compound present in extracts from the medicinal plant *Emblca officinalis*: Effects on *in vitro* cell growth of human tumor cell lines. *International Journal of Oncology*, 2002, 21: 187-192 [**Greece**] [PMID: 12063567].
- [41] Alamgir M, Choudhuri MSK, Jabbar S, Rajia S, **Khan MTH**. Effects of *Ocimum sanctum* Linn. (Labiatae) on the central nervous system of laboratory mice. *International Journal of Oriental Pharmacy and Experimental Medicine*, 2002, 2(2), 101-105. [**Korea**]
- In the year 2003**
- [42] **Khan MTH**. Mycosis. [*in press*, January-March, 2003, *Hamdard Medicus*. **[Pakistan]**]
- [43] Jabbar S, **Khan MTH**, Choudhuri MSK. Study of the aqueous extract of the whole plant of *Solanum xanthocarpum* Burm. F. on the GI tract of Laboratory animals. April-June, vol. XLVI (2), 2003, 85-90, *Hamdard Medicus*. [**Pakistan**]
- [44] Jabbar S, **Khan MTH**, Choudhuri MSK. Acute and chronic metabolic study of *Butea monosperma* Kuntze. [*In press*, October-December, 2003, *Hamdard Medicus*. **[Pakistan]**]
- [45] Lampronti I, Martello D, Bianchi N, **Khan MTH**, Gambari R. *In vitro* Antiproliferative effects on human tumor cell line of extracts from the Bangladeshi medicinal plant *Aegle marmelos* Correa. *Phytomedicine*, 10: 300-308, 2003 [**Germany**]
- [46] Nosalova G, **Khan MTH**, Morky J. Antitusive Activities of the fruit extract of *Emblca officinalis* Gaertn. *Phytomedicine*, 2003, 10: 583-589 [**Germany**]
- [47] Khan KM, Maharvi GM, Abbaskhan A, Hayat S, **Khan MTH**, Makhmoor T, Choudhary MI, Shaheen F, Rahman AU. Three tyrosinase inhibitors and antioxidant compounds from *Salsola foetida*. *Helvetica Chimica Acta*, 2003, 86: 457-464 **[Switzerland]**
- [48] Choudhary MI, Musharraf MG, **Khan MTH**, Shaheen F, Rahman AU. Biotransformation of Isolongifolen-4-one. *Helvetica Chimica Acta*, 2004, 86: 3450-3460 **[Switzerland]**

In the year 2004

- [49] Choudhary MI, Sultan S, **Khan MTH**, Yasin A, Shaheen F, Rahman AU. Biotransformation of (+) Androst-4-ene-3, 17-dione. In press, *Natural Product Report*, 2004. [United Kingdom]
- [50] Jabbar S, **Khan MTH**, Choudhuri MSK, Sil BK. Bioactivity study of the individual ingredients of the Dashamularishta. *Pakistan Journal of Pharmaceutical Sciences* 2004, 17(1): 9-17 [Pakistan].
- [51] Alamgir M, **Khan MTH**, Jabbar S, Shariar M, Choudhuri MSK. Bioactivity study of the aqueous extract of *Ocimum sanctum* Linn. (Labiatae). July-September, 2003, Vol. XLVI (3), *Hamdard Medicus*, 34-37 [Pakistan]
- [52] Khan KM, Maharvi GM, **Khan MTH**, Choudhary MI, Rahman AU. A Facile and Improved Synthesis of Sildenafil (Viagra[®]) Analogues through Solid Support Microwave Irradiation Possessing Tyrosinase Inhibitory Potential, their Conformational Analysis and Molecular Dynamics Simulation Studies. In press, *Molecular Diversity*, June, 2004 [Switzerland]
- [53] Datta BK, Datta SK, Chowdhury MM, **Khan MTH**, Kundu JK, Rashid MA, Nahar L, Sarker SD. Analgesic, anti-inflammatory and CNS depressant activities of sesquiterpenes and a flavonoid glycoside from *Polygonum viscosum*. *Die Pharmazie*, March, 2004 [Germany]
- [54] Lambertini E, Piva R, **Khan MTH**, Lampronti I, Bianchi N, Borgatti M, Gambari R. Effects of extracts from Bangladeshi medicinal plants on *in vitro* proliferation of human breast cancer cell lines and expression of estrogen receptor alpha gene. *International Journal of Oncology*, 2004; 24(2):419-23. [Greece]
- [55] Ahmed VU, Ullah F, Hussain J, Farooq U, **Khan MTH**, Choudhary MI. Tyrosinase Inhibitors from *Rhododendron collettinum* and their Structure-Activity Relationship (SAR) Studies. *Chemical and Pharmaceutical Bulletin* 2004, 52(12), 1458-1461 [Japan].
- [56] **Khan MTH**, Rahman AU, Choudhary MI. *In-silico* Analysis of the Gene and Protein Sequences of the Enzyme Mushroom Tyrosinase (Polyphenol oxidase, PPO). *Pakistan Journal of Biotechnology*. 2004; 1(1), 53-66 [Pakistan]
- [57] **Khan MTH**, Sultankhodzhaev MN, Choudhary MI, Rahman AU. Tyrosinase Inhibition Studies of Diterpenoid Alkaloids and Their Derivatives. Structure-Activity Relationships. In press *Natural Product Research*, 2004 [United Kingdom]

- [58] Karbassi F, Saboury AA, **Khan MTH**, Choudhary MI, Saifi ZS. Mushroom Tyrosinase Inhibition by Two Potent Uncompetitive Inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, August, 2004; 19:349-353 [**United Kingdom**]
- [59] Lampronti I, **Khan MTH**, Bianchi N., Borgatti M., Gambari R. Inhibitory effects of medicinal plant extracts on interactions between DNA and transcription factors involved in inflammation. *Minerva Biotechnology*, 2004;16:93-9 [**Italy**]
- [60] Choudhary MI, Sultan S, **Khan MTH**, Rahman AU. Microbial Transformation of 17 α -Ethyne and 17 α -Ethyl steroids: Tyrosinase Inhibition of 17 α -Ethyne and 17 α -Ethyl Analogues. Accepted for publication, *Steroid*, 2004. [**United Kingdom**]
- [61] Thompson KD, Ather A, **Khan MTH**. Antiviral Activities of Three Bangladeshi Medicinal Plant Extracts Against Herpes Simplex Viruses. Accepted for publication, *Minerva Biotechnology*, 2004 [**Italy**]
- [62] Shaheen F, Ahmad M, **Khan MTH**, Jalil S, Ezaz A, Sultankhodzhaev MN, Arfan M, Choudhary MI, Rahman AU. Alkaloids of *Aconitum leave* Royle and its Anti-inflammatory, Antioxidant and Tyrosinase Inhibition Activities. Accepted for publication, *Phytochemistry*, 2004 [**United Kingdom**]
- [63] Şabudak T, **Khan MTH**, Choudhary MI, Oksuz S. Potent Tyrosinase Inhibitors from *Trifolium Balansae*. Accepted for publication in *Natural Product Research*, 2004 [**United Kingdom**]
- [64] Lampronti I, **Khan MTH**, Bianchi N, Ather A, Borgatti M, Vizziello L, Fabbri E, Gambari R. Bangladeshi Medicinal Plant Extracts Inhibiting Molecular Interactions between NF-kappa β and Target DNA Sequences. In Press, *Current Medicinal Chemistry*, 2004 [**The Netherlands**].
- [65] Lambertini E, Lampronti I, Penolazzi L, **Khan MTH**, Ather A, Giorgi G, Gambari R, Piva R. Expression of Estrogen Receptor α Receptor Gene in Breast Cancer Cells Treated with Transcription factor Decoy is Modulated by Bangladeshi Plant Extracts. In Press, *Oncology Research and Anticancer Drug Design*, 2004 [**U.S.A.**]
- [66] **Khan MTH**, Ather A, Choudhary MI, Rahman AU. Modeling of the Mushroom Tyrosinase and Its Molecular Dynamic (MD) Simulations Experiments in Room and Elevated Temperatures and the Docking Interactions with Nucleotides. Accepted for publication, *Minerva Biotechnology* [**Italy**]

(C) Submitted for publication:

- [67] **Khan MTH**, Ather A, Thompson KD, Gambari R. Can the Nature Awards us Promising Anti-HSV Molecule(s)? Submitted for Publication in *Antiviral Research* [USA]
- [68] **Khan MTH**, Ather A, Gambari R. "Investigation of Nuclear Factor-kappa beta and DNA interactions using macromolecular docking and simulation experiments". Submitted as full paper to ISMB 2005, Annual Meeting of ISCB, Detroit, Michigan, June 25-29, 2005 [USA]
- [69] Lampronti I, Bianchi N, Borgatti M, **Khan MTH**, Ather A, Brezena D, Tahir MM, Gambari R. Effects of Vanadium Complexes on Cell Growth of Human Leukemia Cells and on Protein-DNA Interactions. Submitted for publication in *Biochemical Pharmacology* [USA]
- [70] **Khan MTH**, Ather A. Virtual screening of a diverse virtual library of coumarin analogues against GPCR, kinases, ion channel and general biological activities: their chemoinformatic and molecular dynamic simulations studies. Submitted for publication at, *Molecular Diversity*, 2004 [Switzerland]
- [71] **Khan MTH**, Ather A. Tyrosinase Inhibition Studies of the 2,5-Disubstituted-1,3,4-Oxadiazoles and their Structure Activity Relationships. Submitted for publication in *Pigment Cell Research* [USA]
- [72] Choudhary MI, Ranjit R, **Khan MTH**, Devkota KP, Rahman AU. Prolyl Endopeptidase and Tyrosinase Inhibitors from *Daphne bholua* - An Important Nepalese Medicinal Plant. Submitted for publication in *Natural Product Research* [UK].
- [73] **Khan MTH**, Ather A, Gambari R. Investigation of Nuclear Factor-kappa beta and DNA interactions using macromolecular docking and simulation experiments. Submitted for publication in *Protein Science* [USA].
- [74] **Khan MTH**, Ather A, Lampronti I, Gambari R. Biotechnological Applications of Plant Extracts on Cancer Drug Discovery – A Critical Review. Submitted for publication in *Planta Medica* [Germany]
- [75] Khan KM, Iqbal S, **Khan MTH**, Maharvi GM, Zia-Ullah, Choudhary MI, Rahman AU, Perveen S. Synthesis of Dicoumarins and Their Tyrosinase Inhibition Studies. Submitted for publication in *Journal Antimicrobial Chemotherapy (JAC)* [United Kingdom].

- [76] **Khan MTH**, Ahmed M, Ather A. Conformational Analysis, Molecular Dynamics (MD) Simulation and QSAR-QSPR Studies of Diterpene Alkaloids from *Aconitum leave* and Virtual Screening. Submitted for publication at, *Molecular Diversity*, 2004 [Switzerland]
- [77] **Khan MTH**, Ather A. Tyrosinase Inhibitory Shingolipids from *Erigeron canadensis* and their QSAR-QSPR Calculations. Submitted for publication in June, *Helvetica Acta Chimica*, 2004 [Switzerland]
- [78] **Khan MTH**, Ather A. Energy Minimization, Molecular Dynamic (MD) Simulation at 300 K and Analysis of the Quantitative Structure-Activity Relationships and Structure-Property Relationships Model of the Longifolene and Its' Analogues. Submitted for publication in June, *Helvetica Acta Chimica*, 2004 [Switzerland]
- [79] **Khan MTH**, Ather A. Analysis of the QSAR-QSPR, Molecular Dynamic and Monte Carlo Simulation of Biocoumarines. Submitted for publication in *Molecular Diversity*, 2004 [Switzerland]
- [80] Khan KM, Maharvi GM, **Khan MTH**, Begum S, Choudhary MI, Rahman AU. Tetraketones: A New Class of Tyrosinase Inhibitors. Submitted for publication in *European Journal of Medicinal Chemistry*, 2004 [France].
- [81] Khan KM, Ullah Z, Rani M, Perveen S, **Khan MTH**, Choudhary MI, Rahman AU. Microwave-Assisted Synthesis of 2,5-Disubstituted-1,3,4-Oxadiazoles, Tyrosinase Inhibition Studies and their Structure-Activity Relationships. Submitted for publication in *Helvetica Chimica Acta* [Switzerland].
- [82] Khan SB, **Khan MTH**, Haq AU, Afza N, Malik A, Choudhary MI, Ahmed Z. Long Chain Tyrosinase Inhibitory Esters from the Whole Plant of the *Amberboa ramosa* Jafri. Submitted for publication in May, 2004, *Chemical and Pharmaceutical Bulletin* [Japan].
- [83] Khan SB, Malik A, **Khan MTH**, Azhar-ul-Haq, Afza N, Perveen S, Choudhary MI. Tyrosinase inhibitory lignans from the methanol extract of the *Amberboa ramosa* Jafri. and their structure-activity relationship. Submitted to *Phytomedicine* [Germany]
- [84] Vinogradova VI, Rakhimov SB, Sultankhodzhaev MN, **Khan MTH**, Choudhary MI, Rahman AU. Tyrosinase Inhibition Studies of *N*-Benzyl Derivatives of Cytizine and 1-Phenyltetrahydroisoquinoline Derivatives. Structure Activity Relationships. Submitted for publication in *Natural Product Report* [United Kingdom].
- [85] Choudhary MI, Shah SAA, **Khan MTH**, Rahman AU. Fungal Hydroxylation of Tibolone. Submitted for publication in May, *Tetrahedron* [United Kingdom].

- [86] Ahmed VU, Ullah F, **Khan MTH**, Choudhary MI. Tyrosinase Inhibitory Triterpenes from the *Rhododendron collettianum* (Ericaceae) and their Structure-Activity Relationships. Submitted for publication in May, *Phytomedicine* [Germany].
- [87] Musharaf SM, Choudhary MI, **Khan MTH**, Rahman AU. Tyrosinase Inhibitory Steroids and their Structure-Activity Relationships. Submitted for publication in May, *Phytomedicine* [Germany].
- [88] **Khan MTH**. Chakma Talika Cikitsa – The Therapeutic System of the Chakma Tribe of Chittagong Hill Tract of Bangladesh. Submitted for publication in *Journal of Ethnobiology*. [U.S.A]
- [89] **Khan MTH**, Isaev MI, Agzamova MA, Mamedova RP, Sulyakhodzhaev MN, Choudhary MI, Rahman AU. Tyrosinase Inhibition Studies of Cycloartane and Cucurbitacine Glycoside and Genins. Structure-Activity Relationships. Submitted for publication in May, *Phytomedicine* [Germany]
- [90] Haq AU, Malik A, **Khan MTH**, Khan SB, Ahmad A, Choudhary MI. Tyrosinase Inhibitory Lignans from the Methanol Extract of the *Vitex negundo* Linn. and their Structure-Activity Relationship. Submitted for publication in June, *Phytomedicine* [Germany]
- [91] Ather A, **Khan MTH**, Rahman MT, Sulyakhodzhaev MN. Isolation and Crystallization of Piperine from *Piper chaba*. Submitted for publication in June, *Natural Product Research* [United Kingdom]
- [92] Ather A, **Khan MTH**. Prediction of ADME Properties of Piperine through Artificial Neural Network (ANN). Submitted for publication in *Journal of Computational Biology*. [U.S.A.]
- [93] Tyrosinase inhibitors and bioactive diterpenoids from the *Xylopiya aethiopica*: A Cameroonian medicinal plant. Submitted for publication in *Natural Product Research*. [United Kingdom]
- [94] Ather A, **Khan MTH**. The Chemistry and Synthesis of Piperine – the Most Commonly Found Amide in *Pepper* Species. Submitted for publication in *Pakistan Journal of Pharmaceutical Sciences*. [Pakistan]
- [95] Bioactivity Studies of Some Cameroonian Medicinal Plants Extracts. Submitted for publication in *Pakistan Journal of Pharmaceutical Sciences*. [Pakistan]
- [96] Specific bioassays of some medicinal plant extracts of Bangladesh. Submitted for publication in *Fitoterapia*. [Italy]

- [97] Anticancer potentials of Bangladeshi plant extracts. Submitted for publication in *Journal of Ethnopharmacology*. [U.S.A.]
- [98] **Khan MTH**, Ather A, Kristina-Jenet S. *In Vitro* Antiplasmodial Potentials of Bangladeshi Plant Extracts Frequently Used in the Traditional Medicines. Submitted for publication in *Journal of Ethnopharmacology*. [U.S.A.]
- [99] Nosalova G, Mokry J, Ather A, **Khan MTH**. Antitussive Activity of the ethanolic Extract of *Paederia foetida* (Fam. Rubiaceae). Submitted for publication in *Phytomedicine*. [Germany]
- [100] dos Santos AF, de Azevedo DPL, Sant'Ana AEG, Ather A, **Khan MTH**. Evaluation of Molluscicidal Activity of the Plants from Bangladesh and Toxicity against *Artemia salina* Leach. Submitted for publication in *Acta Tropica*. [Brazil]
- [101] Ather A, **Khan MTH**. Toxicities of the Piperine an Amide from the Pepper Species. Submitted for publication in *Hamdard Medicus* [Pakistan].
- [102] Studies of the Biological Activities of the Some Compounds Used in the Chemical Synthesis. Submitted for publication in *Die Pharmazie*. [Germany]
- [103] The alcoholic extracts of *Embllica officinalis* Gaertn. on the locomotion of rodents: a comparative study with variations in doses and routes. Submitted for Publication in *Z Natur*. [Germany] [Ref. No 744/02].
- [104] Study of the *In vitro* fungicidal and bactericidal activities of the ethanolic extract of *Hemidesmus indicus* R. Br. Submitted for publication in *Z Natur*. [Germany] [Ref. No 745/02].
- [105] Analgesic properties of the individual ingredients of Dashamulakwath - A classical Ayurvedic combination. Submitted for publication in *Journal of Ethnopharmacology*, [U.S.A.]
- [106] Effect of *Artocarpus heterophyllus* Lamk. on Isolated Guinea-pig Ileum and Tracheal chain Preparations. - Submitted for publication at *Hamdard Medicus*. [Pakistan]
- [107] Effect of *Nigella sativa* Linn. on Experimental Non-Dysenteric Diarrhoea and Intestinal motility - Submitted for publication at *International Journal of Oriental Pharmacy and Experimental Medicine*. [Korea]
- [108] Study of the Pharmacological Actions of Krimighatini Batika – A Classical Ayurvedic Anthelmintic Preparation. Submitted for Publication in *Indian Jour Pharmacol*, [India].

- [109] Screening of some medicinal plants used in Ayurveda for their effects on pentobarbital sleeping time. Submitted for Publication in *Indian Journal of Pharmacology*, [India].
- [110] Effects of the aqueous extracts of the bark of *Aegle marmelos* Correa. on the central nervous system of laboratory animals. Submitted for Publication in *Fitoterapia*, [Italy].
- [111] Acute metabolic study of a classical Ayurvedic anthelmintic formulation: Krimighatini Batika. Submitted for Publication in *Hamdard Medicus*, [Pakistan].
- [112] Antidiabetic Plants of Bangladesh Used in the Treatment of Diabetes Mellitus. Submitted for Publication in *Medicinal Research Review* [U.S.A.].
- [113] Some medicinal plants, plant materials and plant's derived compounds have hepatoprotective activity – a review study part-I. Submitted for publication in *Ancient Science of Life*, [India].

(D) Abstracts in Seminar Proceedings:

- [114] “Pharmacological and Toxicological Study of the Seeds of *Nigella sativa* Linn” presented in SAGA, 1998. [Bangladesh]
- [115] “Bioactivity study of the individual ingredients of the Dashamularishta – A classical Ayurvedic preparation” Presented in Tenth Asian Symposium on Medicinal Plant, Spices and Other Natural Products (ASOMPS X), June 18-23, 2000, organized by Department of Chemistry, University of Dhaka. [Bangladesh]
- [116] “Effects of the aqueous extracts of the bark of *Aegle marmelos* Correa. on the central nervous system of rodents” Presented in ASOMPS X, June 18-23, 2000. [Bangladesh]
- [117] “Antidiabetic Plants of Bangladesh Used in the Treatment of Diabetes Mellitus” Presented in the Asian Network of Research on Antidiabetic Plants (ANRAP) Conference, June 15-17, 2000. [Bangladesh]
- [118] “Specific bioassays of some medicinal plant extracts of Bangladesh” Presented in *Memorias del X Congreso Italo Latinoamericano de Etnomedicine*, 2001. [Nicaragua]
- [119] “Antiviral activity of four Bangladeshi medicinal plants' extracts against Herpes Simplex Virus (HSV)” presented in 24th International Symposium on Natural Products Chemistry, November, 2001, organized by the Institute of Chemistry, Autonomous University of Mexico. [Mexico]

And, Presented in the 2nd International and 12th National Chemistry Conference, February 4-6, 2002, Organized by Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro. [**Pakistan**]

[120] “Identification of pyrogallol as an antiproliferative compound from *Emblica officinalis*” presented in “First Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, Organized by H.E.J Research Institute of Chemistry, University of Karachi, Pakistan, September 24-26, 2002. [**Pakistan**]

[121] “Bioprospecting studies on an important Nepalese medicinal plant *Paris polyphylla* Sm.” presented in “1st Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, September 24-26, 2002. [**Pakistan**]

[122] “Microbial transformation of Tibolone and Cortisolone” presented in “1st Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, September 24-26, 2002. [**Pakistan**]

[123] “Microbial transformation of 5- α -Androstane and establishment of structure activity relationship through enzyme inhibition studies” presented in “1st Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, September 24-26, 2002. [**Pakistan**]

[124] “Natural tyrosinase inhibitors and antioxidants” presented in “1st Bangladesh-Pakistan Binational Seminar on Natural Product Chemistry”, September 24-26, 2002. [**Pakistan**]

[125] “Identification of pyrogallol as an antiproliferative compound present in extracts from the medicinal plant *Emblica officinalis*: Effects on *in vitro* cell growth of human tumor cell lines” Presented as oral presentation in The 3rd World Congress on Medicinal and Aromatic Plants for Human Welfare (WOCMAP III), February 3-7, 2003, Chiang Mai. [**Thailand**]

And, accepted as oral presentation in the “Second Annual Scottish Phytotherapy Research Conference”, March, 2003, Glasgow. [**United Kingdom**]

[126] “Search for New Lead for Tyrosinase Inhibitors” presented in “3rd International and 13th National Chemistry Conference” jointly organized by Department of Chemistry and H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in December 28-31, 2002. [**Pakistan**]

[127] “Gas-chromatography/Mass spectrometry (GC/MS) for the Identification of Bioactive Molecules in Extracts from Medicinal Plants” presented at IV Congress of Mass Spectrometry in the Study of Genome and Protein, December 9-12, 2002, Vitorchianos (Viterbo). [**Italy**]

- [128] “Search for New Lead Molecules for Tyrosinase Inhibitors and Study of Their Structure-Enzyme Inhibition Relationship” poster presentation at “7th International Symposium on Protein Structure Function Relationship”, organized by H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in January 20-23, 2003. **[Pakistan]**
- [129] “Synthesis and Structure Activity Relationship of Tetraketones Through Tyrosinase Inhibition” poster presentation at “7th International Symposium on Protein Structure Function Relationship”, organized by H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan, in January 20-23, 2003 [Winner of the 3rd Prize]. **[Pakistan]**
- [130] “The Bioinformatic Analysis of The Gene Sequence of Mushroom Tyrosinase” presented at “1st International and National Symposium on Biotechnology” organized by Center for Advanced Studies in Biotechnology, University of Sindh, Jamshoro, Pakistan, in March 22-23, 2003. **[Pakistan]**
- [131] “Search of Tyrosinase Inhibitors Through Structures-Enzyme Inhibition Relationship” Submitted for Oral Presentation at “7th International Conference on Trends in Biochemistry and Molecular Biology” organized by Institute of Biochemistry and Biotechnology, University of Punjab, Lahore, Pakistan, in April 2-5, 2003 **[Pakistan]**
- [132] Ahmed M, Shaheen F, Jalil S, **Khan MTH**, Choudhary MI, Rahman AU. “Swatinine, a new norditerpenoid alkaloid from *Aconitum leave* Royle, and anti-inflammatory and tyrosinase inhibition studies on diterpenoid alkaloids”, presented at 9th International Symposium on Natural Products (9th ISNPC), jointly organized by Pakistan Academy of Science and International Center for Chemical Sciences, on January 10-13, 2004 **[Pakistan]**
- [133] Iqbal S, Khan KM, Saify ZS, **Khan MTH**, Maharvi GM, Ullah Z, Choudhary MI, Rahman AU, Perveen S. “An Economical synthesis of Dicoumarin possessing Tyrosinase inhibitory potential”, presented at 9th International Symposium on Natural Products (9th ISNPC), jointly organized by Pakistan Academy of Science and International Center for Chemical Sciences, on January 10-13, 2004 **[Pakistan]**
- [134] Mukhtar N, Malik A, Iqbal K, **Khan MTH**, Choudhary MI. “Tyrosinase inhibiting sphingolipids from *Conyza canadensis*”, presented at 9th International Symposium on Natural Products (9th ISNPC), jointly organized by Pakistan Academy of Science and International Center for Chemical Sciences, on January 10-13, 2004 **[Pakistan]**
- [136] “Swatinine, A new Norditerpenoid Alkaloid from *Aconitum leave* Royle and Tyrosinase Inhibition Studies on Diterpenoid Alkaloids”, presented at the “4th

- International and 14th National Chemistry Conference”, organized by the Chemical Society of Pakistan – Punjab Chapter, on the theme “Quality Through Innovative Chemistry”, P.C.S.I.R. Complex, Lahore, on May 16-18, 2004 [Pakistan].
- [137] “Vigra and Its’ Analogues as Tyrosinase and Lipoxigenase Inhibitors”, presented at the “4th International and 14th National Chemistry Conference”, organized by the Chemical Society of Pakistan – Punjab Chapter, Lahore, on May 16-18, 2004 [Pakistan].
- [138] “Microbial Transformation of Tibolone”, presented at the “4th International and 14th National Chemistry Conference”, organized by the Chemical Society of Pakistan – Punjab Chapter, Lahore, on May 16-18, 2004 [Pakistan].
- [139] “Molecular Dynamic (MD) Simulation and 3D-QSAR and QSPR Studies of Bioactive Small Organic Molecules”, presented at the “4th International and 14th National Chemistry Conference”, organized by the Chemical Society of Pakistan – Punjab Chapter, Lahore, on May 16-18, 2004 [Pakistan].
- [140] “*In-silico* Analysis of the Gene and Protein Sequences of the Enzyme Mushroom Tyrosinase (Polyphenol Oxidase, PPO)”, organized by the Chemical Society of Pakistan – Punjab Chapter, Lahore, on May 16-18, 2004 [Pakistan].
- [141] Mischiati C, Sereni A, Ather A, **Khan MTH**, Lampronti I, Gambari R. Bangladeshi Plant Extracts on Gene Expression Profiling: from Macro- to Microarray Technology. Accepted for presentation at the ISMAP, 2004 [Brazil]
- [142] **Khan MTH**, Ather A, Gambari R. “Investigation of Nuclear Factor-kappa beta and DNA interactions using macromolecular docking and simulation experiments”. Accepted for poster presentation at “RECOMB04” organized by San Diego Supercomputer Center (SDSC), University of San Diego, San Diego, USA, in March 10, 2004 [USA];
The 1st Pacific-Rim International Conference on Protein Science (PRICPS 2004), organized jointly by the Protein Society, U.S.A., and the Protein Society of Japan, April 14-18, 2004, Yokohama [Japan];
Accepted for presentation at the “15th European Symposium on Quantitative Structure-Activity Relationships & Molecular Modelling”, Istanbul, Turkey, on 05-10 September 2004 [Turkey].
Presented at the “4th International and 14th National Chemistry Conference”, organized by the Chemical Society of Pakistan – Punjab Chapter, Lahore, on May 16-18, 2004 [Pakistan].
Accepted for presentation at the “EMBO/FEBS Worksop on AFM Applications in Biology”, 2004 [Portugal].

Submitted as full paper to ISMB 2005, Annual Meeting of ISCB, Detroit, Michigan, June 25-29, 2005 [USA]

All the “Yellow” marked titles are from my PhD works.

Revised: December 14, 2004.
