

TALAT MAKHMOOR

Senior Research Officer

Email: makhmoor@iccs.edu

EDUCATION

- 2006-2008 *Post doctorate (Cellular Immunology)*
Research Title: “Development of Small Molecular ‘MHC-Loading Enhancers’ (MLE) for Application in Tumor Immune Therapies and Vaccination”.
- Max Delbrück Centrum for Molecular Medicine (MDC), Robbert-Rössle Strasse, 10, 13125 Berlin, Germany.*
- 2005 *Ph. D (Chemistry)*
Research Title: Antioxidants from Medicinal Plants and of Synthetic Origin.
- HEJ Research Institute of Chemistry,
International Center for Chemical Sciences, University of Karachi, Karachi.*
- Courses completed with good grades*
- Advanced Course in X-ray Crystallography held during Dec. 98-Jan. 99, at HEJ Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan.
 - Regular Courses in Physical Techniques, Organic Synthesis, Reaction mechanism, Organo-metallic Chemistry and Protein Chemistry at HEJ Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan.
- Short visit*
- Protein glycation studies at Manchester Metropolitan University, Manchester, UK.
- 1996 *MSc (Organic Chemistry)*
First class 3rd Position, University of Karachi, Pakistan.
- 1995 *BSc H. (Chemistry)*
Biochemistry & Microbiology (Subsidiary Subjects)

PUBLICATIONS

1. Mostafa, M., Nahar, N., Mosihuzzaman, M., Makhmoor, T., Choudhary, M. I., Atta-Ur Rahman, Free radical scavenging phenylethanoid glycosides from *Leucas indica* Linn., *Nat Prod Res.*, 2007, 21, 354-61.
2. Atta-ur-Rahman, Naz, H., Choudhary, M.I., Fadimatou, **Makhmoor, T.**, Yasin, A., Fatima, N., Ngounou, F. N., Kimbu, S. F., Sondengam, B. L., New bioactive constituents from *Boswellia papyrifera*, *Journal of Natural Products*, 2005, 68, 189-193.
3. Ansari, F. L., Umbreen, S., Hussain, L., **Makhmoor, T.**, Nawaz, S. A., Lodhi, M. A., Khan, S. N., Shaheen, F., Choudhary, M. I., Atta-ur-Rahman, Synthesis and biological activities of chalcone and 1,5-benzothiazepine derivatives: Promising new free-radical scavengers, and esterase, urease, and α -glucosidase inhibitors, *Chemistry & Biodiversity*, 2005, 2, 429-567.

4. Tapondjou, L. A., **Makhmoor T.**, Choudhary M. I., Lontsi, D., Sondengam, L. B., Atta-ur-Rhman, Bancoensone, a new antioxidant caffeoyl derivative from *Cussonia bancoensis*, *Cameroon Journal of Experimental Biology*, 2005, 1, 57-61.
5. Sultanova, N., **Makhmoor, T.**, Abilov, Z. A., Omurkamzinova, V.B., Atta-ur-Rahman, Choudhary, M. I., Isotamarixen- A new antioxidant triterpene from *Tamarix hispida*, *Planta Medica*, 2004, 70, 65-7.
6. Choudhary, M. I., Musharraf, S. G., **Makhmoor, T.**, Shaheen, F., Ali, S., Atta-ur-Rahman, Isolation of bioactive compounds from *Aspergillus terreus*, *Z. Naturforsch.*, 2004, 59b, 324-328.
7. Khan, K. M., Maharvi, G. M., Khan, A. A., Hayat, S., Hassan Khan, M. T., **Makhmoor, T.**, Choudhary, M. I., Shaheen, F., Atta-ur-Rahman, Three tyrosinase inhibitors and antioxidant compounds from *Salsola foetida*, *Helv. Chim. Acta*, 2003, 86, 457-464.
8. Mehmood, A., Malik, A., Anis, I., Khan, P. M., Riaz, M., **Makhmoor, T.**, Choudhary, M. I., Highly oxygenated triterpenes from the Roots of *Atropa acuminata*, *Natural Product Letters*, 2002, 16, 371-376.
9. Khan, K.M., Saify, Z. S., Hayat,S., Khan, M. Z., Noor,F., **Makhmoor, T.**, Choudhary, M. I., Zia-Ullah, Perveen, S., Synthesis, antioxidant and insecticidal activities of some coumarin derivatives, *Jour. Chem. Soc. Pak.*, 2002, 24, 226-31.
10. Atta-ur-Rahman, Ngounou, F. N., Choudhary, M. I., Malik, S., **Makhmoor, T.**, Nur-e-Alam, M., Zareen, S., Lontsi, D., Ayafor, J. F., Sondengam, B. L., New antioxidant and antimicrobial ellagic acid derivatives from *Pteleopsis hylodendron*, *Planta Medica*, 2001, 67, 335-39.
11. Sultanova, N., **Makhmoor, T.**, Abilov, Z. A., Pareween, Z., Omurkamzinova, V. B., Atta-ur-Rahman, Choudhary, M. I., Antioxidant and antimicrobial activities of *Tamarix ramosissima*, *Journal of Ethanopharmacology*, 2001, 78, 201-205.