

Curriculum Vitae

Muhammad Adeel

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Personal:

Nationality Pakistan.
NIC No. 12101-0905416-5
Domicile Dera Ismail Khan, KPK, Pakistan.
Marital Status Married
Date of Birth 31st March 1978
Place of Birth Dera Ismail Khan (KPK) Pakistan
Language Skills English (TOEFL 220/300), Graduate Degree in English Literature, Deutsch (Basic Knowledge), Urdu.

Education:

2007-2009 Ph.D. (Dr. Rer. Nat) *Synthetic Organic Chemistry* (Group of Prof. Dr. Peter Langer). Institute of Chemistry. University of Rostock.
2004-2006 M.phil leading to Ph.D. *Supramolecular Chemistry*. H.E.J Research Institute of Chemistry University of Karachi Pakistan.
2001-2004 M.Sc. in Organic Chemistry Gomal University Dera Ismail Khan (N.W.F.P) Pakistan
1998-2000 B.Sc. in *Chemistry* Gomal University Dera Ismail Khan (N.W.F.P) Pakistan.

Professional Experience:

- ❖ Assistant Professor (Department of Chemistry, Gomal University, Dera Ismail Khan, KPK, Pakistan (July 2009-Todate).
- ❖ Assistant Professor under HEC program (Interim Placement of Fresh Ph.D.) at Department of Chemistry, Gomal University, Dera Ismail Khan.
- ❖ Approved PhD supervisor from Higher Education Commission Islamabad, Pakistan.
- ❖ Scientific Co-Worker at Institute of Chemistry University of Rostock. (2007-2009)

Research Experience:

- 2007-2009 Ph.D. Dissertation titled “Synthesis of functionalized biaryls, benzophenones, phenols, fluorenones, fluoroarenes, and chloroarenes based on formal [3+3] cyclocondensations of 1,3-bis(silyloxy)-1,3-butadienes and 1,3,5-tris(silyloxy)-1,3,5-hexatrienes” under supervision of Prof. Dr. Peter Langer at Institute of Chemistry University of Rostock.
- 2004-2006 Research Project titled “Octacyclodextrin-*p*-octiphenyls into Hydrophilic, Hydrophobic Barrel Stave Pores Having Practical Applications in Drug Designing” at HEJ Research Institute of Chemistry, University of Karachi, Pakistan.
- 2003-2004 M.Sc. thesis titled “Phyto-chemical Studies on Biologically Active Diterpenes of *Euphorbia Peplus*” at Department of Chemistry Gomal University, Dera Ismail Khan (N.W.F.P) Pakistan.

Technical Skills:

- Excellent handling in Vacuum and Schlenck techniques for oxygen and moisture sensitive reactions.
- Working experience with 1D and 2D NMR techniques.
- Working experience in MS Office, Chem. Office, Sci-finder, Crossfire and other computer utilities.

Conferences and Poster Presentations:

- Poster titled “Octacyclodextrin-*p*-octiphenyls into Hydrophilic, Hydrophobic Barrel Stave Pores Having Practical Applications in Drug Designing” 10th International Symposium on Natural Product Chemistry. January 6-9, 2006, Karachi, Pakistan at International Center for Chemical Sciences University of Karachi.
- Poster titled “*Octacyclodextrin-p-octiphenyls into Hydrophilic, Hydrophobic Barrel Stave Pores Having Practical Applications in Drug Designing*” Presented at 6th International and 16th National Chemistry Conference Multan Pakistan.
(Awarded by **IUPAC Best Poster Prize**)

Research Fundings:

- ❖ Rs. 908,000; Under HEC resource grant for project titled “Up-gradation of Organic Chemistry Laboratory at Department of Chemistry, Gomal University, Dera Ismail Khan”

List of Publications:

Total Impact Factor: 52.829

1. **Muhammad Adeel**,* Peter Langer, Alexander Villinger. *Acta Cryst.* **2011**. Submitted “4-chloro-2’-Fluoro-3-hydroxy-5-methyl-biphenyl-2-carboxylic acid ethyl ester.

2. Muhammad Farooq Ibad, **Muhammad Adeel**, Obaid-Ur-Rahman Abid, Muhammad Nawaz, Verena Wolf, Alexander Villinger, Peter Langer, *J. Org. Chem.* **2010**, 75, 8315–8318, “Synthesis of Fluorinated Biaryls by Condensation of 2-Fluoro-1,3-bis(silyloxy)-1,3-dienes with 3-Cyanochromones and Subsequent Domino ‘Retro-Michael / Aldol / Fragmentation’ Reaction”.

Impact Factor: 4.218

3. Muhammad Nawaz, **Muhammad Adeel**, Muhammad Farooq Ibad, Obaid-Ur-Rahman Abid, Alexander Villinger, Christine Fischer, and Peter Langer, *Synthesis* **2011**, Submitted, “Synthesis of diaryl-ketones and diaryl-triaryl-ketones based on site-selective Suzuki-Miyaura cross-coupling reactions of the bis(triflate) of 2’,4-dihydroxy-3-(methoxycarbonyl)benzophenone”

4. Obaid-Ur-Rahman Abid, Muhammad Farooq Ibad, Muhammad Nawaz, **Muhammad Adeel**, Nasim Hasan Rama, Alexander Villinger, Peter Langer, *Tetrahedron Lett* **2010**, 51, 657-660. “Synthesis of 3,5-Diaryl-4-chlorophthalates by [4+2] Cycloaddition of 1-Ethoxy-2-chloro-1,3-bis(trimethylsilyloxy)-1,3-diene with Dimethyl Acetylenedicarboxylate and Subsequent Site-Selective Suzuki-Miyaura Reactions”.

Impact Factor: 2.660

5. Muhammad Farooq Ibad, Obaid-Ur-Rahman Abid, **Muhammad Adeel**, Muhammad Nawaz, Alexander Villinger, Peter Langer, *Synlett* **2010**, pp 0195–0198 . “Synthesis of 3,5-Diaryl-4-fluorophthalates by [4+2] Cycloaddition of 1-Ethoxy-2-fluoro-1,3-bis(trimethylsilyloxy)-1,3-diene with Dimethyl Acetylenedicarboxylate and Subsequent Site-Selective Suzuki-Miyaura Reactions”.

Impact Factor: 2.718

6. **Muhammad Adeel**,* Irshad Ali, Peter Langer, Alexander Villinger. *Acta Cryst.* **2009**. E65, o2176 “Methyl 5-chloro-2-hydroxy-3-(4-methoxyphenyl)-4,6-dimethylbenzoate”.

Impact Factor: 0.510

7. Verena Wolf, **Muhammad Adeel**, Stefanie Reim, Alexander Villinger, Helmut Reinke, and Peter Langer. *Eur. JOC* **2009**, 5854–5867 “Synthesis of 3-Chlorosalicylates by Formal [3+3] Cyclocondensations of 4-Chloro-1,3-bis(trimethylsilyloxy)-1,3-butadienes”.

Impact Factor: 3.096

8. Muhammad Nawaz, **Muhammad Adeel**, Muhammad Farooq Ibad, Peter Langer. *Synlett* **2009**, 3, 2154-2156. "Synthesis of functionalized 2',4-diarylbenzophenones based on site-selective Suzuki cross-coupling reactions".

Impact Factor: 2.718

9. **Muhammad Adeel**, Muhammad Nawaz, Alexander Villinger, Helmut Reinke, Christine Fischer, Peter Langer. *Tetrahedron* **65**, **2009**, 4099–4105. Synthesis of Polyketide-Type Phenols by Domino Michael / Retro-Michael / Aldol Reactions of 3-Formylchromones with Silyl Enol Ethers derived from Ethyl 3,5-Dioxohexanoate.

Impact Factor: 3.219

10. Benard Juma, **Muhammad Adeel**, Alexander Villinger, Anke Spannenberg, Christine Fischer, Peter Langer* *Advanced Synthesis & Catalysis* **2009** Volume 351 Issue 7-8, **1073 - 1079** "Synthesis of 2,6-Dioxo-1,2,3,4,5,6-hexahydroindoles by Acid-Catalyzed Cyclization of Acetal-Protected (2,4-Dioxocyclohex-1-yl) acetamides and their Transformation into 5,8,9,10-Tetrahydro-6H-indolo[2,1-a]isoquinolin-9-ones".

Impact Factor: 5.619

11. Stefanie Reim, Matthias Lau, **Muhammad Adeel**, Ibrar Hussain, Mirza A. Yawer, Abdolmajid Riahi, Christine Fischer, Helmut Reinke, and Peter Langer* *Synthesis* **2009**, No. 3, pp 0445–0463 "Synthesis of Functionalized Fluorenones based on the Combination of Formal [3+3] Cyclocondensations of 1,3-Bis(silyloxy)-1,3-butadienes with Intramolecular Friedel-Crafts-Acylation".

Impact Factor: 2.572

12. **Muhammad Adeel**, Muhammad A. Rashid, Nasir Rasool, Rasheed Ahmad, Helmut Reinke, Christine Fischer and Peter Langer* *Synthesis* **2009**, No. 2, 243–250, "Regioselective Synthesis of Functionalized Biaryls based on Cyclizations of 4-Aryl-1,3-bis(trimethylsilyloxy)-1,3-butadienes".

Impact Factor: 2.572

13. **Muhammad Adeel**, Stefanie Reim, Verena Wolf, Mirza A. Yawer, Ibrar Hussain, Alexander Villinger, Peter Langer* , *Synlett* **2008**, 2629-2632. "Synthesis and Reactions of the First Fluorine-Containing 1,3-Bis(trimethylsilyloxy)-1,3-butadienes".

Impact Factor: 2.718

14. Stefanie Reim, **Muhammad Adeel**, Ibrar Hussain, Mirza A. Yawer, Alexander Villinger, Peter Langer* , *Tetrahedron Lett.* **2008**, 49, 4901-4904. "Synthesis and Reactions of the First 2-Chloro-1,3-bis(trimethylsilyloxy)-1,3-butadienes".

Impact Factor: 2.660

15. Muhammad A. Rashid, Nasir Rasool, **Muhammad Adeel**, Christine Fischer, Helmut Reinke, Peter Langer* *Tetrahedron* **2008**, 64, 529-535. "Regioselective Synthesis of Diaryl Ethers based on One-Pot Cyclizations of 4-Aryloxy-1,3-bis(trimethylsilyloxy)-1,3-dienes".

Impact Factor: 3.219

16. Mirza A. Yawer, Abdolmajid Riahi, **Muhammad Adeel**, Ibrar Hussain, Christine Fischer Peter Langer*, *Synthesis* **2008**, 1276-1282. "One-pot synthesis of 6-(pyridyl)salicylates by formal [3+3] cyclizations of 1,3-bis(silyl enol ethers) with 3-pyridyl-3-silyloxy-2-en-1-ones".

Impact Factor: 2.572

17. Benard Juma, **Muhammad Adeel**, Alexander Villinger and Peter Langer*, *Tetrahedron Lett.* **2008**, 49, 2272–2274. "Efficient synthesis of 2,6-dioxo-1,2,3,4,5,6-hexahydro-indoles based on the synthesis and reactions of (2,4-dioxocyclohex-1-yl)acetic acid derivatives".

Impact Factor: 2.660

18. Nasir Rasool, Muhammad A. Rashid, **Muhammad Adeel**, Helmut Reinke and Peter Langer*, *Tetrahedron Lett.* **2008**, 49, 2254–2257. "Synthesis and Reactions of Hydroxyspiro[5.2]cyclo-octenones based on the Cyclization of the Dianions of Acetone and Diethyl 2-Oxopropylphosphonate with 1,1-Diacylcyclopropanes".

Impact Factor: 2.660

19. Muhammad A. Rashid, Nasir Rasool, **Muhammad Adeel**, Helmut Reinke, Christine Fischer and Peter Langer* *Tetrahedron*, **2008**, 64, 3782-3793. "Synthesis of Functionalized Diarylsulfides based on Regioselective One-Pot Cyclizations of 1,3-Bis(trimethylsilyloxy)-1,3-butadienes".

Impact Factor: 3.219

20. Muhammad A. Rashid, Nasir Rasool, Bettina Appel, **Muhammad Adeel**, Vahuni Karapetyan, Satenik Mkrtychyan, Helmut Reinke, Christine Fischer, and Peter Langer* *Tetrahedron* **2008**, 64, 5416-5425 "Synthesis of 1-Azaxanthenes by Condensation of 1,3-Bis(trimethylsilyloxy)-1,3-butadienes with 3-(Cyano)-benzopyrylium Triflates and Subsequent Domino 'Retro-Michael / Nitrile-Addition / Heterocyclization' Reaction".

Impact Factor: 3.219