

CURRICULUM VITAE OF DR MUHAMMAD DANISH



Address

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Research Interests

Main Group Metal Chemistry

- Synthesis and characterization of organotin compounds having importance like bactericide, fungicide, pesticides and polymer stabilisers, anticancer and antitumor properties.

Transition Metal Chemistry

- Synthesis and characterization of coordination compound of transition metals and their potential uses.
- Bioinorganic and medicinal chemistry metal-based anticancer drugs, metal-based carcinogenicity and toxicity, drug metabolism and drug design.
- Synthesis of new rule breaking platinum based planar amine compounds and evaluation of their activity against various human ovarian cancer cell lines. These complexes may contain three or four ligands around platinum metal.
- Determination of mechanism of interaction of these compounds with DNA of the cancer and tumour cell as they are expected to have different mode of interaction from that of cisplatin.
- Solid state chemistry of different ligand and metal-ligand structures.

Detection of Essential and Trace Elements in, Soil, Plants and Animals

- Metal analysis of biological and non-biological systems and their impact on life. Most of these studies are being carried out at livestock stations to find out deficiency or excess of essential and trace elements in animals grazing therein. This is helpful to evaluate and establish the essential and trace element profile for the animal in these areas. Necessary remedies are being proposed on the basis of these studies.

Kinetics and Thermodynamics

- Kinetic studies of thermal degradation and hydrolysis of metal complexes of biological as well as non-biological importance. This is important field as organometallics and coordination compounds of donor ligands are being used as medicines, agrochemicals pesticides, insecticides, catalysts in different industrial transformations, polymer stabilizers, in fire proof clothing, high quality glazing paints and

biologically active compounds. Thermokinetic parameters are widely used to describe the functional stability of a given tin compound for its particular required use.

Surface Chemistry

- Bio-sorption of toxic metal from aqueous media. This is one of the biggest issue to deal with industrial effluents. The aim is to prepare new kits for toxic metal removal and to design new models for effluent treatment before being discharged to aquatic systems.

Research Experience

- 1 **Six month Post-doc**
October 2009-April 2010
With Prof. Dr. Fazlul Huq, The University of Sydney, Sydney, Australia
- 1 **Six month Post-doc**
Nov. 1995 to May 1996
With Prof. Dr. Saqib Ali, Department of Chemistry Quaid-i-Azam University, Islamabad, Pakistan
- 2 **Six years research experience as Ph.D. fellow**
Oct. 1989 to May 1993
Department of Chemistry Quaid-i-Azam University, Islamabad, Pakistan.
Department of Inorganic Chemistry University of Bayreuth, Bayreuth, Germany.
Department of Chemistry, Quaid-i-Azam University, Islamabad, Pakistan.
b) Jun. 1993 to Mar. 1995
c) Apr. 1995 to Oct. 1995
Ph.D. Research Topic
Research topic entitled 'Synthesis, Multinuclear NMR, Mass, Mössbauer, Crystallographic and Biological Studies of Organotin Carboxylates'.
- 3 Jun. 1987 to Jul. 1989
Two year research experience during M.Phil., at Department of Chemistry, Quaid-i-Azam University Islamabad, Pakistan.
M.Phil. Research Topic
'Circular Dichroism of Pfeiffer Active Metal Complexes'
- 4 Jan. to Dec. 1986
One year research experience during M.Sc., at PCSIR Laboratories, Lahore, Pakistan
M.Sc. Research Topic
'Study of Saponification Catalysts for Cottonseed Oil and other Vegetable Oils'

Teaching Experience

- 1 Since February 2011
Associate Professor, University of Gujrat, Gujrat
- 2 Feb. 2006-Feb. 2011
Assistant Professor, University of Sargodha, Sargodha.
- 3 Oct. 2004 to Feb. 2006
Assistant Professor, Hazara University, Mansehra.
- 4 Aug. 2003 to July 2004
Associate Professor, Forman Christian College University, Lahore.
- 5 Sept. 2001 to Aug. 2003
Lecturer, Liaquat Memorial College, Allama Iqbal Town, Lahore.
- 6 Apr. 1997 to June 2001
Head of Department and Senior Chemistry Teacher, Pakistan Education Academy, Dubai, U.A.E.
- 7 Feb. 1996 to Mar. 1997
Assistant Professor, O.P.F. Girls College, F-8/2, Islamabad.
- 8 Dec. 1991 to May 1993
Lecturer, K.R.L. Model College, P.O. Box Sumbalgah, Kahuta,

9	Nov. 1990 to Aug. 1991	Rawalpindi. Lecturer, Islamabad College for Boys, G-6/3, Islamabad.
10	Jan. to Dec. 1988	Supervision of experimental works of M.Sc. first and second semester students at Quaid-i-Azam University, Islamabad.

Qualifications

Degree	Year	Major Subjects/University
Ph.D.	1995	Inorganic Chemistry, Quaid-i-Azam University, Islamabad (Pakistan). <i>(Research work completed at University of Bayreuth, Bayreuth, Germany, under DAAD Sandwich Program)</i>
M.Phil.	1989	Analytical & Inorganic Chemistry, Quaid-i-Azam University, Islamabad (Pakistan).
M.Sc.	1986	Chemistry, University of the Punjab (Pakistan).
B.Sc.	1983	Chemistry, Zoology, Botany, University of the Punjab (Pakistan).

Distinctions

Awarded Roll of Honour in Matric and M.Sc.

Awards

- DAAD Fellowship (Germany) from June 1993 to March 1995.
- Endeavour Post Doctoral Fellowship (Australia) from October 2009 to April 2010.
- Honorary Associate, Sydney Medical School, Medical Sciences, Australia.

Personal Information

Name	DR. MUHAMMAD DANISH
Father's Name	NAZEER AHMED
Date of Birth	05-01-1962
Religion	Islam
Nationality	Pakistani
Marital Status	Single
Postal Address	Department of Chemistry, University of

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List of Publications:

1. An Unusual Diorganotin Bis-carboxylate Structure:
catena- $\{(\mu_2$ -2-methyl-3,5-dinitrobenzoato-O,O')dibutyltin(IV)}
Muhammad Danish, M. Nawaz Tahir, Sabiha Ghafoor, Nazir Ahmad, Saqib Ali and Edward R. T. Tiekink
J. Cem. Crystallogr. -----(2011).
2. *catena*-Poly[bis(μ_3 -2-methylbenzoato) disilver(I)]
Muhammad Danish, M. Nawaz Tahir, Sabiha Ghafoor, Nazir Ahmad and Mehwish Nisa.
Acta Cryst. E67, m734-m735, (2011).
3. *trans*-Bis(3-hydroxypyridine- κ N)-diiododoplatinum(II) dimethyl sulfoxide disolvate
Fazlul Huq, **Muhammed Danish**, Wojciech Starosta and Janusz Leciejewicz
Acta Cryst. E67, m721, (2011).
4. (Methanol- κ O)(2-methyl-3,5-dinitrobenzoato- κ O)triphenyltin(IV).
Muhammad Danish, Sabiha Ghafoor, Nazir Ahmad, Wojciech Starosta and Janusz Leciejewicz
Acta Cryst. E67, m519, (2011).
5. Tetrakis(μ_2 -2-methyl-3,5-dinitrobenzoato- κ^2 O¹:O^{1'})bis[aquacopper(II)] tetrahydrate.
Muhammad Danish, Sabiha Ghafoor, M. Nawaz Tahir, Nazir Ahmad and Mehwish Nisa
Acta Cryst., E67, m168 (2011).
6. Thermokinetic Studies of Organotin(IV) Carboxylates Derived from *para*-Methoxyphenylethanoic Acid.
M. Danish, N. Ahmad, N. Zahara, S. Ali and N. Muhammad
J. Iran Chem. Soc. 7, 846-852 (2010)
7. Octamethylbis(μ_2 -2-methylbenzoato- κ^2 O:O')bis(2-methylbenzoato- κ O)di- μ_3 -oxido-tetratin(IV).
Muhammad Danish, Sabiha Ghafoor, M. Nawaz Tahir, Nazir Ahmad and Masood Hamid
Acta Cryst., E66, m1218-1269 (2010).
8. 1-(2,4-Dinitrophenyl)-2-(1,2,3,4-tetrahydronaphthalen-1-ylidene)hydrazine.
M. Danish, Masood Hamid, M. Nawaz Tahir, Nazir Ahmad and Sabiha Ghafoor
Acta Cryst., E66, o2100 (2010).
9. Biologically active Organotin(IV) Schiff base Complexes.
K. Jamil, R. Wajid, M. Bakhtiar and **M. Danish**
J. Iran. Chem. Soc., 7, 495-499 (2010).
10. Poly[(μ_6 -2-methyl-3,5-dinitrobenzoato)-potassium].
Muhammad Danish, Iram Saleem, Nazir Ahmad, Abdul Rauf Raza, Wojciech Starosta and Janusz Leciejewicz
Acta Cryst., E66, m616 (2010).
11. Tetrakis(μ -2-methylbenzoato- κ^2 O:O')bis[(methanol- κ O)copper(II)].
Muhammad Danish, Iram Saleem, M. Nawaz Tahir, Nazir Ahmad and Abdul Rauf Raza
Acta Cryst., E66, m528 (2010).
12. *catena*-Poly[[2-methylbenzoato- κ^2 O,O')sodium]-di- μ -aqua- κ^4 O,O').

- Muhammad Danish**, Iram Saleem, Nazir Ahmad, Abdul Rauf Raza, Wojciech Starosta and Janusz Leciejewicz
Acta Cryst., **E66**, m459-m460 (2010).
13. Poly[(μ_5 -2-methyl-3,5-dinitrobenzoato)-sodium].
Muhammad Danish, Iram Saleem, Nazir Ahmad, Abdul Rauf Raza, Wojciech Starosta and Janusz Leciejewicz
Acta Cryst., **E66**, m137 (2010).
14. *catena*-Poly[(-toluene-2-carboxylato- k^2O,O')trimethyltin(IV)].
Muhammad Danish, Iram Saleem, Nazir Ahmad, W. Starosta and J. Leciejewicz
Acta Cryst., **E66**, m04 (2010).
15. Methyl-2-methyl-3,5-dinitrobenzoate.
Abdul Rauf Raza, Aisha Saddiqa, M. Nawaz Tahir, **Muhammad Danish** and Mohammad Saeed Iqbal
Acta Cryst., **E66**, o288 (2010).
16. Tricyclohexyl[2-(2,3-dimethylanilino)-benzoato- kO]tin(IV).
Muhammad Danish, M. Nawaz Tahir, Nazir Ahmad, Saqib Ali and Amin Badshah
Acta Cryst., **E65**, m1614 (2009).
17. Octamethyl-di- μ_3 -oxido-bis(μ_2 -thiophene-3-acetato- $k^2O:O'$)(thiophene-3-acetato- kO)tetratin(IV).
Muhammad Danish, Nazir Ahmad, M. Nawaz Tahir, Abdul Rauf Raza and M. Ibrahim.
Acta Cryst., **E65**, m609-m610 (2009).
18. Evaluation of mineral composition of forages for grazing ruminants in Pakistan.
Z.I. Khan, M. Ashraf, K. Ahmad, Nazir Ahmad, **Muhammad Danish** and E.E. Valeem
Pak. J. Bot., **41**, 2465-2476 (2009).
19. *rac*-2-Iodo-3,4-dihydronaphthalen-1(2H)-one.
Abdul Rauf Raza, M. Nawaz Tahir, Aisha Sultan, **Muhammad Danish** and Muhammad Sohail
Acta Cryst. **E65**, o3172 (2009).
20. 2-Methyl-3,5-dinitrobenzoic acid.
M. Nawaz Tahir, Abdul Rauf Raza, Aisha Saddiqa, **Muhammad Danish** and Iram Saleem
Acta Cryst. **E65**, o2819 (2009).
21. 2-(1,3-Dioxoisindolin-2-yl)proanoic acid.
A.R. Raza A. Saddiqa, M.N Tahir, **Muhammad Danish** and T. Majeed
Acta Cryst. **E65**, o2678 (2009).
22. (2*R*)-2-(1,3-Dioxoisindolin-2-yl)-4-(methylsufanyl)butanoic acid.
A.R. Raza, M.N Tahir, A. Saddiqa, **Muhammad Danish** and S. Iqbal.
Acta Cryst. **E65**, o2002 (2009).
23. 2-Hydroxy-3-nitrobenzamide.
A. R. Raza, **Muhammad Danish**, M. N. Tahir, B. Nisar and M. S. Iqbal
Acta Cryst. **E65**, o1630 (2009).
24. 3-[(3,4-Dichlorophenyl)aminocarbonyl]propionic acid.
Farooq Ali Shah, M. Nawaz Tahir, Saqib Ali, Sajjad Ahmed and **Muhammad Danish**
Acta Cryst., **E65**, o1130 (2009).
25. 2-Hydroxy-3-nitro-N-phenylbenzamide.
Abdul Rauf Raza, **Muhammad Danish**, M. Nawaz Tahir, Bushra Nisar and Gyungse Park.
Acta Cryst., **E65**, o1042 (2009).
26. Bis[diamino(ethoxycarbonylamino)methylammonium]sulfate.
M. Nawaz Tahir, Christy Munir, **Muhammad Danish**, Muhammad Ilyas Tariq and Dincer Ulku
Acta Cryst., **E65**, o785 (2009).
27. 4-(4-Methoxyphenyl)piprazine-1-ium chloride.
Zia-ur-Rehman, M. Nawaz Tahir, **Muhammad Danish**, Niaz Muhammad and Saqib Ali.
Acta Cryst., **E65**, o0503, (2009).

28. Evaluation of mineral composition of forages for grazing ruminants in Pakistan
Zafar Iqbal Khan¹, Muhammad Ashraf, Kafeel Ahmad, Nazir Ahmad, Muhammad Danish and Ehsan Elahi Valeem
Pak. J. Bot., **41**, 2465-2476 (2009).
 29. Biologically active organotin(IV) complexes of Schiff bases derived from indoline-2,3-dione and 2-aminobenzoic acid.
J. Khan, W. Rehman, B. Muhammad, **Muhammad Danish**, Q. Mahmood and N. Bukhari
World Appl. Sci. J., **6**, 1563-1568 (2009).
 30. Synthesis and structural characterization of organotin(IV) complexes formed with [O,O]donor atoms of carboxylic acid.
Mukhtar Hussain, Muhammad Zaman, Muhammad Hanif, Saqib Ali and **Muhammad Danish**.
J. Serb. Chem. Soc. **73**, 179-187 (2008).
 31. Assessment of selenium contents in pasture and ewes in Punjab, Pakistan.
Zafar Iqbal Khan, Muhammad Ashraf, **Muhammad Danish**, Kafeel Ahmad and Ehsan Elahi Valeem.
Pak. J. Bot., **40**, 1159-1162, (2008).
 32. Effect of seasonal variation on the copper status in a soil-plant-animal system.
Z. I. Khan, A. Hussain, M. Ashraf, K. Ahmad, **Muhammad Danish**, and L.R., McDowell,
Acta Agron. Hung. **56**, 55-67 (2008).
 33. Crystal Structure of 2-Phenyl-5-Anilino-1,3,4-Oxadiazole.
M. Nawaz Tahir, **Muhammad Danish**, Saqib Ali, Moazzam H. Bhatti and Dinçer Ülkü.
Anal. Sci., **23**, x75-x76, (2007).
 34. (R)-Dimethyl[(2-chlorophenyl)hydroxymethyl]phosphonate
M. Nawaz Tahir, Nurcan Acar, Hamza Yilmaz, **Muhammad Danish** and Dinçer Ülkü.
Acta Cryst. **E63**, o3817-o3818, (2007).
 35. Dibenzylbis(naphthalene-2-thiolato-*k*S)tin(IV)
M. Nawaz Tahir, **Muhammad Danish**, Saqib Ali, Dinçer Ülkü, and M. Mazhar.
Acta Cryst. **E63**, m1799, (2007).
 36. Pasture Concentration of Minerals in Relation to the Nutrients of Farm Livestock.
Zafar Iqbal Khan, Muhammad Ashraf, Ehsan Elahi Valeem, Kafeel Ahmad, and **Muhammad Danish**.
Pak. J. Bot., **39**, 2183-2191, (2007).
 37. Determination of Different Decline Disorders in Mango Orchards of the Punjab, Pakistan.
Zafar Iqbal Khan, Ehsan Elahi Valeem, Muhammad Shahbaz, Kafeel Ahmad, Zafar Iqbal Khan, M. Tariq Malik and **Muhammad Danish**.
Pak. J. Bot., **39**, 1313-1318, (2007).
 38. Temporal Variability in the Transfer of Sodium from Soil and Dietary Sources to Grazing Livestock in a Semi-arid Ranch, Punjab, Pakistan.
Zafar I. Khan, M. Ashraf, **Muhammad Danish** and Kafeel Ahmad
Pak. J. Bot. **39**, 1113-1121, (2007).
 39. Evaluation of Micro Minerals Composition of Different Grasses in Relation to Live Stock Requirements.
Zafar Iqbal Khan, Muhammad Ashraf, Kafeel Ahmad, Irfan Mustafa and **Muhammad Danish**.
Pak. J. Bot., **39**, 719-728, (2007).
- Lewis Acid Nature of SnCl₄ and *n*-Bu₂SnCl₂ Determined by Adduct Formation with 3-methyl-1-Indanone.
Muhammad Danish, C.M. Ashraf, Ali Mohammad and Faiz-ur-Rehman,
Pak. J. Anal. Envir. Chem., **7**, 62-67 (2006).
40. Synthesis and *In Vitro* Antitumour Studies of Trimethyltin(IV) *trans*-*M*-Methylcinnamate.
M. Danish, S. Ali, K. Shahid and M. Mazhar,
J. Chem. Soc. Pak., **26**, 140-142 (2004).

41. Synthesis and Characterization of Tri-, Di-, and Chlorodiorganotin(IV) Derivatives of 3-Benzoyl- α -methyl-Phenylacetic Acid and 3-(-2-Thienyl)Acrylic Acid.
M.T. Massod, S. Ali, **Muhammad Danish** and M. Mazhar,
Synth. React. Inorg. Met-Org. and Nano Met. Chem., **32**, 9-23 (2002).
42. Mössbauer Spectral Studies of Tri- Dichlorodiorganotin Carboxylates.
S. Ali, **Muhammad Danish**, M.H. Bhatti M. Mazhar and S. Mahmood,
Pak. J. Sci. Ind. Res., **44**,194-197 (2001).
43. Mass Spectral Studies of Some Triorganotin Derivatives Containing Carboxylates
M.H. Bhatti, S. Ali, M. Mazhar, **Muhammad Danish** and M.A. Choudhary,
Turk. J. Chem. **23**, 329-337 (1999).
44. Polymeric Structures of Organotin Derivatives
S. Ali, M. Mazhar, **M. Danish**, M.T. Masood, M.H. Bhatti and M.A. Choudhary,
Sci. Int., **11**, 265, 265-266 (1999).
45. Organotin Compounds of Monomethyl Succinate
A. Badshah, K.Mahmood, S.Anwar, S. Khan, M. Iqbal, B.Mohammad, **Muhammad Danish**
and S. Ali,
J. Chem. Soc. Pak. **20**, 226 – 229 (1998).
46. ^1H , ^{13}C , ^{119}Sn , $^{119\text{m}}\text{Mössbauer}$, Infrared and Mass Spectrometric Studies of Organotin
Carboxylates of 2-[2,3-Dimethylphenyl)Amino]Benzoic Acid.
Muhammad Danish, S. Ali, M. Mazhar, H. Masood, A. Badshah, A. Malik and G. Kehr,
Synth. React. Inorg. Met-Org. and Nano Met. Chem., **27**, 863-885 (1997).
47. Redistribution Reactions of Diorganotin Dicarboxylates and Diorganotin Dihalides:- A
Convenient Method for the Preparation of Halo-Diorganotin Carboxylates.
S. Ali, **Muhammad Danish** and M. Mazhar,
Heteroatom Chem., **8**, 273-278 (1997).
48. [2-(2,3-Dimethylphenyl)amino]benzoato-*O:O'* trimethyltin(IV).
N. M. Tahir, D. Ulku, **Muhammad Danish**, S. Ali, A. Badshah and M. Mazhar,
Acta Cryst. **C53**, 183-185 (1997).
49. Diethyl-bis[3(2-thiophenyl-2-propenoato-*O:O'*)tin(IV).
M. Pervaiz, S. Ali, M.T. Masood, M. Mazhar and **Muhammad Danish**,
Acta Cryst., **C53**, 1211-1213 (1997).
50. (Ketoprofenato)trimethyltin(IV)
M. N. Tahir, D. Ulku, S. Ali, T. Masood, **Muhammad Danish** and M. Mazhar,
Acta Cryst. **C53**, 1574-176 (1997).
51. Toxicological Studies of Tin(IV)Derivatives of Mefenamic Acid and Thiophene-2-Acrylic Acid.
A. Badshah, S. Anwar, Saqib Ali, **Muhammad Danish**, M. Mazhar and M.I. Chaudhry,
Pak. J. Pharmacol., **13**, 44-52 (1996).
52. Synthesis and Spectral Studies of Stannoxanes of trans-3-(2-Thiophenyl)-2-Propenoic Acid:
Crystal Structure of $\{[(\text{CH}_3)_2\text{SnO}_2\text{CCHCHC}_4\text{H}_3\text{S}]_2\text{O}\}_2$.
Muhammad Danish, S. Ali, M. Mazhar and A. Badshah,
Main Group. Metal Chem., **19**. 121-131 (1996).
53. Fluxional Behavior in Dimeric Tetraorganodicarboxylato Stannoxanes.
Muhammad Danish, S.Ali and M. Mazhar,
Heteroatom Chem., **7**, 233-237 (1996).
54. Disposable Syringe Used as a Grease Applicator.
S. Ali and **M. Danish**, *J. Chem. Edu.*, **73**, 475 (1996).
55. Crystal Structure of 3-(2-Furyl)acrylic Acid, $\text{C}_7\text{H}_6\text{O}_3$.
M. Danish, S. Ali, M. Mazhar, A. Badshah and E.R.T. Tiekink,
Z. Kryst., **210**, 703 (1995).

56. Mössbauer, Multinuclear Magnetic Resonance and Mass Spectrometric Studies of Organotin(IV) Carboxylates of *m*- Methyl-*trans*- Cinnamic Acid,
Muhammad Danish, S. Ali, M. Mazhar, A. Badshah, M.I. Chaudhry, H.G. Alt and G. Kehr, *Polyhedron*, **14**, 3115-3123 (1995).
57. Crystal and Molecular Structure of bis[(3-(2-Furanyl)-2-Propenoato)di-*n*- Butyltin]Oxide and Triphenyltin 3-(2-Furanyl)-2-Propenoate.
Muhammad Danish, S. Ali, M. Mazhar, A. Badshah and E.R.T. Tiekink, *Main Group Metal Chem.*, **18**, 697-705 (1995).
58. Crystal and Molecular Structure of Two Polymeric Triorganotin 3-(2-Thiophenyl)-2-Propenoate Derivatives,
M. Danish, S. Ali, M. Mazhar, A. Badshah, T. Masood and E.R.T. Tiekink, *Main Group Met. Chem.*, **18**, 27-34 (1995).
59. Organotin Ester of 3-(2-Furanyl)-2-Propenoic Acid: Their Characterization & Biological Activity.
Muhammad Danish, H.G. Alt, A. Badshah, S. Ali, M. Mazhar and N. Islam, *J. Organomet. Chem.*, **486**, 51-56 (1995).
60. Better Crystals for Crystal Analysis,
Saqib Ali, **M. Danish** and M. Mazhar, *J. Chem.Edu.*, **72**, 61 (1995).
61. Lid for a Vacuum Line Cooling Trap.
Saqib Ali, **M. Danish** & M. Mazhar, *J.Chem. Edu.*, **72**, 549 (1995).
62. Avoiding Problems with Suspension in NMR Sample Tube.
Saqib Ali, **M. Danish** and M. Mazhar, *J. Chem. Edu.*, **72**, 667 (1995).
63. Dry Ice and a Piece of Used Inner Tube.
Saqib Ali, **M. Danish** and M. Mazhar, *J. Chem. Edu.*, **72**, 56 (1995).
64. ^{119m}Sn Mössbauer of Organotin Derivatives of Donor Ligands.
S. Ali, A. Badshah, **M. Danish** and M. Mazhar, *Chem. Environ. Res.*, **3**, 135-137 (1994).
65. Synthesis and Characterization of Di- and Triorganotin(IV) Compounds of 3-(2-Thienyl)-2-Propenoic Acid.
A. Badshah, **M. Danish**, S. Ali, M. Mazhar and S. Mahmood, *Synth. React. Inorg. Met-Org. and Nano Met. Chem.*, **24**, 1155-1165 (1994).
66. Preparation and NMR, Mass and Mössbauer studies of Di- and Triorganotin(IV) Derivatives of 3-(2-Furanyl)-2-Propenoic Acid.
M. Danish, A. Badshah, M. Mazhar, S. Ali, N. Islam and M.I. Chaudhry, *Iran. J. Chem. & Chem.. Engg.*, **13**, 1-6 (1994).
67. Induced Circular Dichroism in a Chiral and Racemic Chiral Complexes.
C. Munir, N. Ahmed, A.S. Alam and **M. Danish**, *The Arabian J. Sci. Eng.*, **19**, 509-516 (1994).
68. Synthesis, Characterization and Biological Activity of Organotin Derivatives of 3-(2-Furanyl)-2-Propenoic Acid and 3-(2-Thienyl)-2-Propenoic Acid.
S. Ali, **M. Danish**, A. Badshah, M. Mazhar, Atta-ur-Rahman and N. Islam, *J. Chem. Soc. Pak.*, **15**, 154-156 (1993).
69. Novel Route for Synthesis, Characterization and Biological Activity of L₂SnCl₂, where L=8-Hydroxyquinoline.
A. Badshah, **M. Danish**, S. Ali, M. Mazhar, and N. Islam, *Sci. Int (Lahore)*, **5**, 253-254 (1993).
70. Circular Dichroism Studies of some Pfeiffer active mixed ligand Ni(II)Complexes.
N. Ahmed, **M. Danish**, C. Munir and A.S. Alam, *J. Chem. Soc. Pak.*, **12**, 340-344 (1990).
71. Circular Dichroism Studies on some non-resolvable mixed ligand cobalt (II) Complexes.
N. Ahmed, C. Munir, A.S. Alam and **M. Danish**, *J. Chem. Soc. Pak.*, **12**, 271-276 (1990).

Publications in Proceedings and Symposia:

- 1 Di- and tri-Organotin(IV) Derivatives of Mafenamic Acid.
A. Badshah, **M. Danish**, S. Ali, M. Mazhar, N. Islam and A. Malik,
Proc. Fifth. Natl. Chem. Conf., 183 (1993).
- 2 Thermal behaviour of Organotin Complexes.
S. Mahmood, S. Ali, **M. Danish**, A. Badshah, M. Mazhar, S. Khalid and M.A. Khan,
Proc. Fifth. Natl. Chem. Conf., 189 (1993).
- 3 Thermal and spectroscopic study of some Hexamminenichel (ii) complexes.
M.N. Khokhar, S.S.H. Zaidi and **M.Danish**,
3rd Int. Symp. on Adv. Met., 29-34 (1993).

Conferences/Seminars Attended:

- 1 06th November 2009 Attended one day seminar on cancer studies at the University of Sydney, Sydney, **Australia**.
- 2 21 – 22nd Nov. 2007 Attended (also the member of organizing committee) *Chemical & Pharmaceuticals for Development* Department of Chemistry, University of Sargodha, **Pakistan**.
- 3 27-30 August 1995 Attended and presented paper in 4th National Symposium on *Analytical and Environmental Chemistry*, Bara Gali, Organized by University of Peshawar, **Pakistan**.
- 4 23rd September 1994 Attended one day seminar, "*Doktoranden-seminar Bayreuth-Neuchatel*" organized by Labs. of Inorganic Chemistry University of Bayreuth, **Germany**.
- 5 10-15 July, 1994 Attended and presented poster in the 16th International Conference on Organometallic Chemistry, University of Sussex, **England**.
- 6 03-05 October, 1992 Attended (also the member of organizing committee) a series of seminars on '*Tin and Silicon Complexes, Application and Multinuclear NMR*' Department of Chemistry, Quaid-i-Azam University, Islamabad,

- Pakistan**
- 7 03-05 October, 1992 Attended (also the member of organizing committee) a series of seminars on '*Tin and Silicon Complexes, Application and Multinuclear NMR*'
Department of Chemistry, Quaid-i-Azam University, Islamabad, **Pakistan**
- 8 20-23 December, 1991 Attended and presented paper in the *Third National Chemistry Conference*, Department of Chemistry, Gomal University, Dera Ismail Khan (N.W.F.P.), **Pakistan.**
- 9 11-13 February, 1990 Attended 2nd DAAD Follow-Up Seminar on '*Modern Trends in Stereochemistry*',
Department of Chemistry, Quaid-i-Azam University, Islamabad, **Pakistan.**