CURRICULUM VITAE

Dr. Munawar Ali Munawar

Professor

Institute of Chemistry
University of the Punjab
Lahore.

PERSONAL DETAILS

Name	Munawar Ali Munawar
Title	Dr.
Father's Name	Ch. Shah Sikandar
Date of Birth	8th March 1957
N.I.C. #	35202-7465221-5
Domicile	Lodhran
Religion	Islam
Sex	Male
Marital Status	Married
Present position	Professor
Mail Address	Institute of Chemistry,
	University of the Punjab, Lahore
E-Mail	mamunawar@hotmail.com
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EDUCATION

Year	Examination	Subject	Institution
1974	S.S.C.	Math, Physics, Chemistry	Govt. Muslim High, School, Multan.
1976	F.Sc.	Chemistry, Biology, Physics, Add. Math.	Govt. W.H.I. Degree College, Multan.
1979	B.Sc.	Chemistry, Zoology, Botany	Govt. S.E. College Bahawalpur.
1982	M.Sc.	Chemistry (Organic)	Islamia University Bahawalpur.
1987	M.Phil.	Organic Chemistry	University of the Punjab, Lahore.
1996	Ph.D.	Organic Chemistry	University of Wales, Cardiff, U.K. **(Oct. 1992 - Sep.1996)**

1999	Post Doc	Organic Chemistry	University of Florida, Gianesville, USA, **(Jan. 2008-Jan . 2009)**

DISTINCTION

1.	**Gold-Medalist**	M.Sc. 1982	Islamia University Bahawalpur

MEMBERS OF SOCIETY

1. Member, Royal Society of chemistry, United Kingdom, CChem MRSC
2. Member Pakistan Institute of Chemists.

TEACHING EXPERIENCE

1.	**Lecturer**	Department of Chemistry Islamia University, Bahawalpur.	21-11-1983 - 29-07-1999
2.	**Assistant Professor**	Department of Chemistry Islamia University, Bahawalpur.	30-07-1999 - 21-07-2001
3.	**Associate Professor**	Department of Chemistry (IUB)	21-07-2001 - 30-05-2002
4.	**Associate Professor**	Institute of Chemistry University of the Punjab, Lahore.	31-05-2002 -14-05-2008
5.	**Professor**	Institute of Chemistry University of the Punjab, Lahore	15-05-2008 - to-date

RESEARCH EXPERIENCE

1. M.Sc. thesis under the supervision of Prof.Dr. M. Shafiq Khan at Islamia University Bahawalpur. Thesis entitled, *Aromatization of methyl ketones.*

2. M. Phil thesis under the supervision of Dr. M.A. Kashmiri at University of the Punjab, Lahore. Thesis entitled, *Nitration of aromatic compounds with 4-methyl-4-nitro- 2,3,5,6,-tetrabromocyclohexadienone under mild conditions*.

3. Ph.D. thesis under the supervision of Dr. P.W.Groundwater at University of Wales, Cardiff (U.K.). Thesis entitled, *The synthesis of novel inhibitors of protein tyrosine kinases.*

4. Post-Doc. Fellow (January 2008-January 2009) under the supervision of Prof. A.R.Katritzky at University of Florida, USA. The Projects include: *The benzotriazole-assisted syntheses of amino acids conjugates, alkylated amino acids, peptide elongation etc*.

5. Supervision of M.Sc. Research Students November, 1983 – May, 2002
   Department of Chemistry,
   Islamia University, Bahawalpur.

6. Supervision of M.Sc./ M.Phil. / Ph.D. Research Students, Institute of Chemistry, University of the Punjab, Lahore. May, 2002 to to-date

COURSE/WORKSHOPS/CONFERENCES ATTENDED

1. Training Course in "*Nuclear and other advanced technique in Food and Agriculral research*" held at Nuclear Institute for food and agriculture (NIFA), Tarnab, Peshawar, from September 16-27, 1990.

2. 18th Postgraduate Training Course on "*Nuclear and other advanced techniques in agricultural and biological research*" held at Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, from November 11-25, 1990.

3. Workshop on "*Environmental Education*" organized by Islamia University Bahawalpur, in collaboration with the Ministry of Education, Pakistan, from February 23-24, 1991.

4. *Course on Medicinal Chemistry* held at University of Kent, Canterbury (U.K.), July, 2-7,1995.

5. *British Pharmaceutical Conference,* September 15-18, 1995, Warwick, UK.

6. *The Study of Withdrawal Period of Enrofloxacin and its Residues in Poultary Foods*, Fauzia Anjum Chattha, Rakhshanda Nawaz, **Munawar Ali Munawar** and Mustansara Yaqub, 6th International & 16th National Chemistry Conference " *Quality of Life and Chemical Sciences"*, April 6-8, 2006, B. Z. University, Multan, Pakistan.

7. *Terephthalic acid from waste poly(ethylene terephthalate)*, **MunawarAli Munawar**, Jamil Anwar, Waheed-ul-Zaman, Mohammad Azam and Zanib Abbass Soharwardi, Ninth Symposium on Analytical and Environmental Chemistry, July 24-26, 2006, Institute of Chemical Sciences (ICS), University of Peshawar and Center of Excellence in Analytical Chemistry, University of Sindh at Bara Gali Summer Campus, University of Peshawar.

8. *Catalytic depolymerization of polystyrene* **Munawarl Ali Munawar**, Waheed-ul-Zaman and Umbreen Tahira, Ninth Symposium on Analytical and Environmental Chemistry, July 24-26, 2006, Institute of Chemical Sciences (ICS), University of Peshawar and Center of Excellence in Analytical Chemistry, University of Sindh at Bara Gali Summer Campus, University of Peshawar.

9. *Preparation of oxalic acid from wheat straw by hydrolysis-oxydolysis*, **Munawar Ali Munawar**, Jamil Anwar, Waheed-ul-Zaman and Samreen Asim, Ninth Symposium on Analytical and Environmental Chemistry, July 24-26, 2006, Institute of Chemical Sciences (ICS), University of Peshawar and Center of Excellence in Analytical Chemistry, University of Sindh at Bara Gali Summer Campus, University of Peshawar.

10. *Modified Compression Moulding Technique of Natural Fiber Reinforced Polypropylene Composites and Effect of Filler Contents on Mechanical Properties,*

    Sara Taj, **Munawar Ali Munawar**, Shahzad Alam, Tahir Ahmad, Second International Conference on Frontiers of Advanced Engineering Materials (FAEM-06), December 04-06, 2007, Pakistan Institute of Technology for Minerals and Advanced Engineering Materials (PITMAEM), PCSIR Labs, Complex, Lahore, Pakistan.

11. Synthesis of Novel Quinoxalinones by Conventional and Microwave Methods,
    Waqar Nasir, **Munawar Ali Munawar**, Saeed Ahmed, Amjad Ayuab, The **9th Annual Florida Conference on Heterocyclic and Synthetic Chemistry** (Flohet 9), March, 9-12, 2008, University of Florida, Gainesville, USA.

PUBLICATIONS

2011

1. *Eco-friendly synthesis of 4,4'-diaminodiphenylurea, a dye intermediate and direct dyes derived from it.*, Ana Amjad, **Munawar Ali Munawar**, Shahid Rehman Khan, *Journal of the Chemical Society of Pakistan, 33(1)*, 107-113 (2011). **IF: 0.19**

2. *Antithyroid activity of some 6-(alkylsulfanyl)-9H-purines.*
   Ismat Fatima, **Munawar A. Munawar**, Affia Tasneem, Sarwat Jahan, Misbahul A. Khan and Shakeel Ahmed, *Journal of the Serbian Chemical Society (accepted)* ***IF: 0.82***

3. *Antithyroid activity of 2,8-disulfanyl-1,9-dihydro-6H-purin-6-one in vitro and in vivo*.
Ismat Fatima, **Munawar A. Munawar**, Affia Tasneem, Sarwat Jahan, Misbahul Ain Khan, *Medicinal Chemistry Research* (accepted). **I.F: 1.04**

4. *Synthesis and biological evaluation of benzylideneamino-5H-thiochromeno[2,3-b]pyridin-5-one.*
Muhammad Naeem Khan*, Misbahul Ain Khan and **Munawar Ali Munawar**
Latin American Journal of Pharmacy, **30(5),** 980-984 (2011).
IF: 0.309

5. *A rapid, economical, and eco-friendly method to recycle terephthalic acid from waste poly(ethylene terephthalate) bottles*.
Umer Shafique, Waheed uz Zaman, Jamil Anwar, **Munawar Ali Munawar**, Muhammad salman, Amara Dar, Rabia Rehman, Uzma Ashraf, Shahzad Ahmad,
International journal of polymeric materials (accepted).

6. *Facile syntheses of bioactive 5-arylidenethiobarbituric acids.*
Ahsan sharif, Ejaz Ahmed, **Munawar Ali Munawar**, Shamsa Jabeen, Misbahul Ain Khan, Robina Begum, aleeza Farrukh, Muhammad Ashraf, Shafia Arshad and Nighat Afza, *Journal of the Chemical society of Pakistan* (accepted) **IF: 0.19**

7. *Microwave assisted synthesis of triphenodioxazines: a novel and convenient approach*.
Muhammad Najeebullah, **Munawar Ali Munawar**, Amran Waheed, Ahsan Sharif, Ejaz Ahmed, *Journal of the Chemical society of Pakistan (accepted).* **IF: 0.19**

8. *Quinazolinediones and quinazolinethiones by intramolecular ester amidation.*
Muhammad Ramzan Munawar, Ejaz Ahmad, Ahsan Sharif, Neman Ahmed, Abdul Malik, Zaid Mahmood, **Munawar Ali Munawar** and Abdul Razaq,
Journal of the Chemical Society of Pakistan, **33(3),** 417- 420 (2011).
IF: 0.19

9. *Phytochemical and antimicrobial studies of Gravia tanis*

Ejaz Ahmed, Ahsan sharif, Sabir Hussain, Abdul Malik, Mukhtar ul Hassan, **Munawar Ali Munawar**, Saeed Ahmad Nagra, Jamil Anwar, Muhammad Ashraf, Nighat Afza and Makshoof Athar,

Journal of the Chemical Society of Pakistan (accepted) **IF: 0.19**

10. *Antimicrobial activity of Aerva javanica,*

Ahsan sharif, Ejaz Ahmed, Abdul Malik, Mukhtar ul Hassan,Munawar Ali Munawar, Aleeza Farrukh, Saeed Ahmad Nagra, Jamil Anwar, Muhammad Ashraf and Zaid Mahmood,

Journal of the Chemical Society of Pakistan , **33(3),** 439- 443 (2011).

IF: 0.19

11. *Chemistry of Ice: Migration of ions and gases by directional freezing of water*

Umer Shafique, Jamil Anwar, **Munawar Ali Munawar**, Waheed uz Zaman, Rabia Rehman Amara Dar, Muhammad salman, ,Maria saleem, Naeema Shahid, Mehwish Akram, Arooj Naseer , Nadia Jamil.

*Arabian Journal of Chemistry (*accepted Doi: 10.1016/j.arabjc.2011.02.019)

IF: 0.002

12. *Chromium (III) chelate of deoxyalliin and its bioactivity,*

Shahbaz Nazir, Jamil Anwar, Munawar Ali Munawar, Javed Iqbal Qazi,

Journal of Coordination Chemistry, **64 (8)**, 1344-1350 (2011.

IF: 0.825

13**.** *Application of Formyl-TIPPCu(II) for Temperature and Light Sensing,*

Dil Nawas Khan, M. H. Sayyed, Muhammad Yaseen, **Munawar Ali Munawar**, Mukhtar Ali, *World Academy of Science, Engineering and Technology,* **75**, 253-255 (2011).

14. *4-[2-(Benzylsulfanyl)acetyl]-3,4-dihydroquinoxalin-2(1H)-one,*

Waqar Nasir, **Munawar Ali Munawar**, Sohail Nadeem, Rana Amjad and Ahmad Adnan, *Acta Crystallographica Section E*, **E67**, 0848, (2011).

15. *Removal of Chromium on Polyalthia Longifolia Leaves Biomass,*

Jamil Anwar, Umer Shafique, Waheed-uz-Zaman, Zaib un Nisa, **Munawar Ali Munawar**, Nadia Jamil, Muhammad Salman, Amara Dar, Rabia Rehman, Jawwad Saif, Humaira Gul and Tanzeel Iqbal, *International Journal of Phytoremediation*, **13**, 410-420 (2011).

IF: 1.321

16. Diethyl 2-{[(5-oxo-5H-thiochromeno[2,3-b]pyridine-7-yl)amino]methylidene}-propanedioate,

Muhammad Naeem Khan, M. Nawaz Tahir, Misbahul Ain Khan, **Munawar Ali Munawar** and Abdul Qayyum Athar, *Acta Crystallographica Section E*, **E67**, 01348, (2011).

17. *Synthesis of Novel Quinoxalinone Derivatives by Conventional and Microwave methods and their Biological studies*,

Waqar Nasir ,**Munawar Ali Munawar**, Ejaz Ahmed, Ahsan Sharif, Saeed Ahmed, Amjad Ayub, Misbahul Ain Khan, Faizul Hassan Nasim, *Archives of Pharmacological Research (accepted).*

18. "Thiazole and Benzothiazole Ionic Liquids" by Munawar Ali Munawar and Sohail Nadeem in "Ionic Liquid / Book 1", ISBN 978-953-308-66-6. Intech Open publishers (accepted)

2010

1. *Chromium, manganese, and zinc complexes of deoxyalliin and their bioactivity,*

Shahbaz Nazir, Jamil Anwar and **Munawar Ali Munawar,** *Journal of Coordination Chemistry*, **63(23)**, 4145–4 (2010).

Impact Factor: 0.825

2. *Synthesis and antithyroid activity of some 8-substituted purine derivatives,*

Ismat Fatima, Munawar A. Munawar and Affia Tasneem, *Journal of the Mexican Chemical Society.*, **54(4)**, 236-241 (2010).

Impact Factor: 0.362

3. *Aflatoxin M1 contamination in milk from five dairy species in Pakistan*, I. Hussain, J. Anwar, M. R. Asi, **M. A. Munawar**, M. Kashif, *Food control*, **21**, 122-124 (2010), Doi: 10.10161j. foodcont.2008,12.004.

   Impact Factor: 1.980

4. *Halo-Wittig and Zirconium Promoted Synthesis of Conjugated Metalloporphyrin Dimers*, Muhammad, Yasin, Mukhtar Ali., **Munawar Ali Munawar**, Muhammad NajeebUllah, Muhammad Salim, Irshad Khokhar and Muhammad H. Sayyad, *J. Porphyrin and phthalocyanines.* (JPP) **14(4),** 298-304, (2010).

   Impact Factor: 1.255

5. A microwave-assisted synthesis of triphenodioxazines [TPDOs]. Muhammad NajeebUllah, David W. Knight, **Munawar Ali Munawar**, Muhamad Yaseen and Fusillo Vincenzo, *Tetrahedron **66**, 6761-6764*, (2010).

   Impact Factor: 3.219

6. *Antithyroid Activity of 6-Chloropurine***,** Ismat Fatima, **Munawar Ali Munawar**, Misbahul Ain Khan, Asmatullah, Afia Tasneem, Muhammad Khalil. *J. Brazilian Chem. Soc*. *J. Braz. Chem. Soc.*, **21(9),** 1699-1703, (2010).

   Impact Factor: 1.458

7. Solvent-free synthesis of benzothiazole-based quaternary ammonium salts: precursors to ionic liquids. *Sohail Nadeem, **Munawar A. Munawar**, Saeed Ahmad, Marcin Smiglak, David M. Drab, Khizar I. Malik, Rana Amjad, Chaudhry M. Ashraf and Robin D. Rogers*, ARKIVOC **(vii)** 19-37 (2010),.

   Impact Factor: 1.090

8. Relative Stabilities of 1- and 2-Substituted 1,2,3-Triazoles, Alan R. Katritzky,* Ana-Maria Buciumas, Ekaterina Todadze, **Munawar Ali Munawar**, and Levan Khelashvili, Heterocycles, **82(1),** 479 - 489 (2010).

   Impact Factor: 1.165

9. Novel bis-piperidinium and bis-pyrrolidinium compounds as versatile phase-transfer catalysts, Muhammad Jawwad Saif, Jamil Anwar, **Munawar Ali Munawar**, Muhammad Kashif and Muhammad Imran Asghar.
Arkivoc (xi) 133-145, (2010).
Impact Factor: 1.090

10. Characterization of essential oil of local varieties of Citrus paradise Peel, Muhammad Naeem Khan, Shahid Mahmud, Iftikhar Hussain Baloch, Salma Rehman and **Munawar Ali Munawar,** *J. Chem. Soc. Pak.,* **32(5),** 571-573 (2010).
Impact Factor: 0.190

11. Ethyl 3-(3-oxo-3,4-dihydroquinoxalin-2-yl)propanoate, Waqar Nasir, Munawar Ali Munawar, Ahmad Adnan, Saeed ahmad, and Mohammad akbar.
Acta Cyst. E66, o3224, (2010).
Impact Factor: 0.367

2009

1. *A novel application of quaternary ammonium compounds as hybrid coating on glass surfaces.* M. J. Saif, J. Anwar, **M. A. Munawar**, *Langmuir*, **25(1)**, 377-379 (2009).
Impact Factor: 4.970
2. *Synthesis of amino acid derivatives of quinolone antibiotics.* A.R. Katritzky, **M. A. Munawar**, J. Kovac, L. Khelashvili, *Organic & Biomolecular Chemistry*, **7**, 2359-2362 (2009).
Doi: 10.1039/b900762h .
Impact Factor: 3.550
3. *Microwave-assisted synthesis, metallation and duff formylation of porphyrins,* M.Yasin, M. Ali, M.N. Ullah, **M. A. Munawar** and I. Khokhar, *Journal Heterocyclic Chem*., **46**, 251-255 (2009).
Impact Factor: 0.899
4. *Biosorption of Hg (II) and Cd (II) from Waste Water by using Zea Mays Waste,*

Nadia Jamil, **Munawar Ali Munawar**, Sidra Badar, Sidra-Tul- Muntaha *J.Chem. Soc. Pak.*, **31 (3)**, 362-369 (2009).

Impact Factor: 0.221

5. *Synthesis and Characterization of Zinc and Cadmium complexes with Deoxyallin*, Shahbaz Nazir, Jamil Anwar, **Munawar Ali Munawar**, *J. Chem. Soc. Pak.*, **31 (4)**, 614-621 (2009).

   Impact Factor: 0.221

6. *Synthesis and Spectral studies of Some Novel Coumarin Base Disperse Azo Dyes*, Rana Amjad, **Munawar Ali Munawar**, Shahid Rehman Khan, Muhammad Naeem, *Pak. J. Sci. Ind. Res.*, **52 (3)**, 117-121 (2009).

   Impact Factor:

7. 6-Benzylsulfanyl-9H-Purine, Ismat Fatima, **Munawar Ali Munawar**, Misbahul Ain Khan, Sohail Nadeem, Rana Amjad. *Acta. Crys.* E65, 02994 (2009).

   Doi: 10.1107/S1600536809045140.

   Impact Factor: 0.367

8. 2-Bromo-4-methylbenzonitrile, Muhammad Shahid, **Munawar Ali Munawar**, Sohail Nadeem, Waqar Nasir, Muhammad Salim. *Acta. Crys.* E65, 03166 (2009).

   Doi: 10.1107/S1600536809048983

   Impact Factor: 0.367

9. (4Z)-4-[(2E)-1-Hydroxy-3-(4-methoxyphenyl) prop-2-enylidene]-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one. Khizar Iqbal Malik, **Munawar Ali Munawar**, Misbahul Ain Khan, Sohail Nadeem, Mukhtar-ul-Hassan. *Acta. Crys.* E65, 03046 (2009).

   Doi: 10.1107/S1600536809046200

   Impact Factor: 0.367

10. 4-[(2,5-Dimethylanilino)acetyl]-3,4-dihydroquinoxalin-2(1H)-one. Waqar Nasir, **Munawar Ali Munawar**, Saeed Ahmad, Sohail Nadeem, Muhammad Shahid. *Acta. Crys.* E65, 03006 (2009).

Doi: 10.1107/S1600536809045991

Impact Factor: 0.367

2008

1. *Characterization of essential oil of local varities of Citrus grandis*, Muhammad Naeem Khan, **Munawar Ali Munawar**, Shahid Mahmud, Salma Rehman and Ahmed Kalim Qureshi. *Journal of the Chemical Society of Pakistan*,**29(3)**, *272-274* (2008).

   Impact Factor: 0.221

2. *A revisit of Pechmann reaction under microwave radiation*, F. A. Chattha, S. A. Nagra, **M. A. Munawar**. *Indonation Journal of Chemistry***, 8(1)**, *94-96 (2008).*

   Impact Factor:

3. *Catalytic depolymreization of polystyrene*. Jamil Anwar, **Munawar Ali Munawar**, Waheed-ul-Zaman, Amara Dar and Umbreen Tahira. *Rubber, Plastics and Recycling Technology*, **24 (1)**, 47-55 (2008).

   Impact Factor:

4. *Production of terephthalic acid from waste poly(ethylene terephthalate) materials.*

   J. Anwar, **M. A. Munawar**, W. U. Zaman, Z. Abbas, J. M. Anzano. *Journal of Polymer Engineering*, **28(3)**, 129-139 (2008).

   Impact Factor: 0.36

5. Synthesis and Antimicrobial studies of some quinolinylpyrimidine derivatives, **M. A. Munawar**, M. Azad, H. L. Siddiqui and F.H. Nasim. Journal of Chinese Chemical Society (Taipi). **55(2)**, 394-400 (2008).

   Impact Factor: 0.77

6. *Synthesis and antimicrobial study of quinoline-based 2-pyrazolines*, ***M. A. Munawar***, *M. Azad, M. Athar and P. W. Groundwater, Chemical Papers,* ***62(3)****, 288-293 (2008).*

   Impact Factor: 0.758

7. *Synthesis of IAA- and IPA-amino acid conjugates*, A. R. Katritzky, L. Khelashvili, **M. A. Munawar**, *Journal of Organic Chemistry*, **73(22)**, 9171-9173 (2008).

   Impact Factor: 3.952

8. *The study of withdrawal period of enrofloxacin and its residues in poultry foods.*

F. A. Chattha, R. Nawaz, **M. A. Munawar**, *Journal of the Chemical Society of Pakistan*, **30 (1)**, 155-157 (2008).

Impact Factor: 0.221

9. *Investigation of antimicrobial constituents from Aerva parsica*, E. Ahmad, A. Malik, M. M. Ahmad, **M. A. Munawar**, S. A. Nagra, J. Anwar, M. A. Qazi, A. Sharif, N. Afza, M. Ashraf, *Journal of the Chemical Society of Pakistan*, **30(6)**, 936-941 (2008).

   Impact Factor: 0.221

10. *Antifungal and antioxidant constituents from Silybum marianum*, E. Ahmad, A. Malik, **M. A. Munawar**, S. A. Nagra, M. M. Ahmed, J. Anwar, M. A. Qazi, A. Sharif, N. Afza, M. Ashraf, *Journal of the Chemical Society of Pakistan*, **30(6)**, 942--949 (2008).

    Impact Factor: 0.221

11. *Variation of levels of aflatoxin M1 in raw milk from different localities in the central areas of Punjab, Pakistan.* I. Hussain, J. Anwar, **M. A. Munawar**, M.R.Asi, *Food Control*, **19(12)**, 1126-1129 (2008)

    Impact Factor: 1.98

2007

1. *Recovery of terephthalic acid from waste poly(ethylene terephthalate) by alkali fusion*. Jamil Anwar, Zainb Abbas Soharwardi, Farah Kanwal, Mohammad Azam and **Munawar Ali Munawar**. *Journal of Scientific Research (Pak.)* **XXXVII(1)**, 39-44 (2007).

   Impact Factor:

2. *Synthetic and antibacterial studies of quinolinylchalcones*, Muhammad Azad, **Munawar Ali Munawar,** *Journal of Applied Sciences*, ***7*,** 1620-1625 (2007).

   Impact Factor:

3. *Antimicrobial activity and synthesis of quinoline-based chalcones*, Muhammad Azad, **Munawar Ali Munawar** and Hamid Latif Siddiqui, *Journal of Applied Sciences*, **7(17)**, 2485-2489 (2007).

   Impact Factor:

4. *Sulfonated-silica mediated Pechmann condensation*, **Munawar Ali Munawar,** Shazia Batool and Muhammad Makshoof Athar, *Journal of Scientific Research (Pak.)* XXXVII(1), 29-34, (2007).

   Impact Factor:

5. *Natural fiber – reinforced composites*, Sara Taj**, Munawar Ali Munawar**, and Shafiullah Khan. *Proc. Pak. Acad. Sci***. 44(2)**, 129-144, (2007).

   Impact Factor:

6. *Tautomerism in Pyrazoles:- 5-Hydroxypyrazoles*, Misbahul Ain Khan, **Munawar Ali Munawar** and Makshoof Athar. *Journal of Scientific Research (Pak.)***, XXXVII(1)**, 35-38,(2007).

   Impact Factor:

7. *Preparation of oxalic acid from wheat straw*, **M. A. Munawar**, A. Asim, J. A. Choudhary, W.U.Zaman. *Journal of Scientific Research (Pak)*, **XXXVII(2)**, 33-36 (2007)

   Impact Factor:

8. *KMnO4-Mediated oxidative bromination and chlorination of aromatic systems nusing ammonium halides in acetic acid*, **M. A. Munawar**, N. Malik, M. Arshid, J. Anwar, W.U.Zaman. *Journal of Scientific Research (Pak)*, **XXXVII(2)**, 37-40 (2007)

   Impact Factor:

2006

1. *Recovery of terephthalic acid from the waste of poly(ethylene terephthalate) at elevated temperature and normal pressure*. Jamil Anwar, **Munawar Ali Munawar**, Farah Kanwal, Waheed-ul-Zaman and Zainb Abbas Soharwardi, *Journal of Scientific Research (Pak.)*. **XXXVI(2)**, 33-38 (2006) .

   Impact Factor:

2. *Chemical determination of dissolved oxygen without iodometry – old problem new qpproach*. Jamil Anwar, Waheed-ul-Zaman and **Munawar Ali Munawar,** *Journal of Scientific Research (Pak.)*. **XXXVI(2)**, 1-5 (2006)

   Impact Factor:

2005

1. *Zirconia catalysed bromination of activated arenes*, **Munawar Ali Munawar** and Muhammad Arshad, *Journal of Scientific Research (Pak.)***, *XXXIV* (2)**, 25-28 (2005).

   Impact Factor:

2. *Direct condensation of anilines with carboxylic acids in orthophosphoric acid,* **Munawar Ali Munawar** , Muhammad Azad, Sumera Ashraf and Misbah-ul-Ain Khan, *Journal of Scientific Research (Pak.)* **XXXIV (2),** 29-32, (2005).
   Impact Factor:

2004

1. *Synthesis of imidazo[b] [1,7]phanthrolines,* **M.A. Munawar** & P.W.Groundwater, *Journal of the Chemical Society of Pakistan*, **26(3)**, 268-270 (2004).
   Impact Factor: 0.221
2. *Synthesis of thieno[2,3-c]acridines,* **M.A. Munawar** & P.W.Groundwater, *Journal of the Chemical Society of Pakistan*, **26(3)**, 264-267 (2004).
   Impact Factor: 0.221
3. *Nitrations using metal nitrates-trifluoroacetic acid systems,* **M. A. Munawar** & Muhammad Khalid, *Journal of the Chemical Society of Pakistan*, **26(4)**, 386-388 2004).
   Impact Factor: 0.221

1999

1. *Synthesis of Pyrrolo[2,3-c]acridines,* **M. A. Munawar** and P.W. Groundwater, *Bull. Korean Chem. Soc*., **20(4)**, 456-458 (1999).
   Impact Factor: 1.257
2. *Detection of Aminophenols and Related Compounds by Nickel Ferricyanide,*
   M. Athar, **M. A. Munawar**, L. Ali and I. Ahmad, *Sci. Tehcnol. Develop*., **18(2)** 28-29 (1999).
   Impact Factor:
3. *Syntheses of Some Flavonoids,* **M. A. Munawar**, and P. W. Groundwater, *Journal of the Chemical Society of Pakistan,* **21(2)**, 146-153 (1999).
   Impact Factor: 0.221
4. *Synthesis of Furo[2,3-c]acridines,* **M.A. Munawar**, and P. W. Groundwater, *Journal of the Chemical Society of Pakistan.,* **21(4)**, 408-413 (1999).
   Impact Factor: 0.221
5. *One Pot synthesis of (2-methylpyrid-3-y)methyl aryl sulfones from 2,3-lutidine,***M. A. Munawar**, *J. Pure Appl. Sci.* **18(2)**, 179-182 (1999).
   Impact Factor:
6. *Analysis of rocks and mineral deposits from Khewra,* M. Ahmad, M. Athar and **M. A. Munawar**, *J. Pure Appl. Sci.,* **18(2)**, 127-137 (1999).
   Impact Factor:

7. *The synthesis of 6-Aryl-2,4-dioxoperhydro-1,3,5,-triazines,* **M. A. Munawar**, A. M. Chaudhary, M. Athar, M. Siddiq, and A. Rauf, *Bull. Korean chem. Soc*., **20(5)**, 528-530(1999).
   Impact Factor: 1.257

1998

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3. *Detection of Aminophenols and Related compounds by Cadmium Ferricyanide,* M. Athar, **M. A. Munawar**, L. Ali and I. Ahmad, *J.Pure App.Sci*, **17(2)**, 56-57 (1998).
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1997

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2. *The Synthesis of Pyrido[3,2-a]acridines*, P.W. Groundwater and **M. A. Munawar**, *Heterocycles*, **45 (12)**, 2463-2469 (1997).
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1996

1. *Synthesis of 2-Phenyl-4,5,6,7-tetrahydroindol-5-one,-tetrahydrobenzo[b]thiophen-5-one and tetrahydrobenzo[b]furan-5-one,* P.W. Groundwater and **M. A. Munawar**, *J. Chem. Research. (S)*, 256-257 (1996).
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2. *Benzophenonthrolines and Related Fused Acridines,* P.W. Groundwater, K.R.H. Solomons and **M. A. Munawar**, *Patent No.* **WO 96/18611**, (1996).
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1995

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1994

1. *Condensation of Palmitic and Stearic Acid Hydrazides with Aldehydes and Ketones*, A. Jabbar, M. Ijaz, **M. A. Munawar**, M. Siddiq and M. A. Khan, *J. Pure App. Sci.*, **13(1)**, 5-8 (1994).
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1992

1. *Monobromination of Aromatic Rings Using Potassium Bromide-Sodium Nitrate Mixture in Sulphuric Acid*, S. Iqbal, M.Anwar, **M. A. Munawar**, and M. Siddiq, *Journal of the Chemical Society of Pakistan*, **14(3)**, 212-214 (1992).
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Impact Factor:

1991

1. *Condensation of 4-Hydroxycoumarin with Aldehydes under Knoevenagel conditions*, K. Nawaz, **M. A. Munawar**, and M. Siddiq, *Journal of the Chemical Society of Pakistan*, **13(4)**, 272-274 (1991).
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1989

2. *Reaction of 3-Cinnamoyl-4-hydroxy-6-methyl-2H-pyram-2-one with Methylamine and Ammonia*, M.Iqbal, **M.A. Munawar** and M. Siddiq, *Journal of the Chemical Society of Pakistan*, **11(3)**, 238-242 (1989).
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3. *A Selective and Sensitive Spectrophotometric Method for the Determination of Palladium (II) Using 2-(4',6'-Dimethyl-2'-pyrimidylazo) -1,4-diaminobenzene*, Z.H. Chohan, M. Moazzam and **M. A. Munawar**, *J. Sci. Res.*(Pak.), **18(1&2)**, 7-12 (1989).

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1988

1. *Monobromination of Deactivated Active Rings Using Bromine, Mercuric oxide, and Strong Acid,* S.A. Khan, **M. A. Munawar**, and M. Siddiq, *Journal of Organic Chemistry*, **53**, 1799-1800 (1988).
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2. *Nitration of Aromatic Compounds with 4-Methyl-4-nitro-2,3,5,6,-tetrabromo-cyclohexadienone under Mild Conditions*, M.A. Kashmiri, **M. A. Munawar**, R. Yasmin and M.S. Khan, *Journal of Natural Sciences and Mathematics (Pakistan)*, **28 (2)**, 289-301 (1988).
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1986

1. *Reactions of Nitrophenols with Phosphorus Oxychloride in Dimethylformamide*, N. Akhtar, **M. A. Munawar** and M.Siddiq, *Indian Journal of Chememistry*. **25B**, 328 (1986).
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2. *Alkylation of Hydroxypyrones*, M.Siddiq, **M. A. Munawar** and M. Iqbal, *Journal of the Chemical Society of Pakistan*, **8(4)**, 437-441 (1986).
   Impact Factor: 0.221

THESIS SUPERVISED (HEC Approved Supervisor)

PhD

1. *Synthesis of Quinoline-based Compounds and Study of Their Biological Characterization*
   Muhammad Azad (2008).

2. *Preparation and Characterization of Agro-Wastes Based Polymer Composites for Commercial Use.*
   Sara Taj (2009)

3. *Elimination of Toxic Pollutants by Solid Phase Extraction Using Flash Chromatography*.

Nadia Jamil (2009).

4.* *Micro-Analysis of Aflatoxin M1 in Dairy Products at Trace Levels and Its Elimination*

Imtiaz Hussain (2010)

5. *Synthesis of Eco-Friendly Dyes*. (submitted)

Rana Amjad Ayub Bhatti

6. *Synthesis of Novel Deivatives of Pyridopyrazine and Quinoxaline Nuclei and Their Biological Screening*. (submitted)

Waqar Nasir

7.* *Synthesis, Characterization and Applications of Quaternary Ammonium Compounds*.

Muhammad Jawwad Saif (2010)

8.* *Synthesis and electrochemical studies of conjugatedly linked multiporphyrins and their metal complexes*.

Muhammad Yaseen (2010)

9. *Synthesis of Ionic Liquids and Their Applications in Organic Synthesis*. (submitted)

Sohail Nadeem

10. *Synthesis of Purine Derivatives as Potential Antithyroid Agents*. (submitted)

Ismat Fatima

11.* *Synthesis and characterization and study of bioactivity of metal complexes of organosulfur compounds found in plants of geneus allium* (submitted)

Shahbaz Nazir

12. *Synthesis of heteroarylacetic acids and their biological studies*. (submitted)

Fouzia Anjum

*As co-supervisor

PhD Thesis (being supervised)

1. *Synthesis of Potentially Biologically Active Pyranopyrazoles and Their Analogues*.
   Khizar Iqbal Malik

2 *Synthesis of High Technology Colorants.*
   Muhammad Shahid

3. *Synthesis and Industrial Applications of Non-Azo Reactive Dyes*.
   Muhammad Najeeb Ullah

4. *Preparation of Selective Serotonin Reuptake Inhibitors with potential antidepressant activity*.
   Mehr un Nisa

5. *Synthesis of Polycyclic system containing heteroatoms*.
   Madiha Sahar Khan

6. *Synthesis of N-heteroaryl substituted amino acid derivatives as potential protein kinase inhibitors*.
   Ayesha Khaliq

7. *Synthesis of forensic organic compounds*.
   Samina Kousar

8.* *Synthetic studies of aryl and hetarylpyrazoles*.
   Faryal Chaudhry

9.* *Synthesis of analogues of chromone*.
   Nadia Asif

10.* *Synthetic studies of condensed pyrone derivatives*.
   Qura Tul Ain

11.* *Synthesis of indole based heterocyclic compounds*.
   Sadia Noreen

12.* *Synthesis of novel derivatives of heterocyclic compounds containing fused pyridine ring*.

Areesha Nazeer

* as co-supervisor

M Phil

1. *Characterization of Essential Oils of Local Varieties of Citrus paradisi and Citrus grandis*.

Muhammad Naeem Khan (2003).

2. *Synthesis of Pyridine- Based Ligands and Their Complexes*.

Samina Kousar (2003).

3. *Synthesis and Characterization of Multifunctional Reactive Dyes based on Cyanuric Chloride and Vinyl Sulfone*.

Ghulam Hasan (2006).

4. *Functionalization of Polystyrene*.

Mustansra Yaqoob (2006)

5. *Nitration of Phenols by using Molecular Sieve-Nitric Acid system*

Amna Shafiq **(**2007)

6**.** *Catalytic Oxidation of Cyclohexanol and Cyclohexene to Adipic Acid*

Arooba Shoaib (2007)

7. *Synthesis and Application of 2-arylbenzimidazoles*

Sabahat Zahra Siddiqui (2007)

8. *Phytochemical investigations of Salvadora Oleoides*

Afsheen Arshad (2007)

MS

1. *Synthesis of 3-Substituted Indazoles*

   Muhammad Mohsin Azim **(**2007)

2. *Preparation of derivatives of 3,4-Dihydro-4-oxo-1,2,3-Bezotriazine*

   Sabeena Khalid **(**2007)

3. Metal Salts Assisted Arylation

   Muhammad Asim **(**2007)

4. *Reactions and Synthesis of 14-aryl-14H-dibenzo[a,j]xanthene*

   Sobia Bhatti (2007)

5. *Depolymerization of Polystyrene and Polyamide*

   Umbreen Tahira (2007)

6. *Synthesis of potentially Flame Retardant*

   Sidra Sana **(**2007)

7. *Condensation of O-Phenylenediamine with Aromatic Aldehydes by Stone Grinding*

   Asia Perveen **(**2007).

8. *Synthesis of Benzimidazole 2-acetic acid and its derivatives,*

   Maria javeed (2007).

9. *Phytochemical investigations of the chloroform soluble fraction of the Silybum marianum.*

   Faiza Althaf (2008).

10. *Synthesis of 5-arylidenethiobarbituric acids through mechanochemis*try.

    Shamsa Jabeen (2008).

11. *Non-conventional condensation of barbituric acid.*

    Shummalia Rasheed Chohan (2008)

12. *Hydroxyquinones as latent fingermark developing reagents*.

Asma Ilyas (2010)

13. *Studies towards the synthesis of 3-aryl-2H-benzoxazine-2,4-diones*.

Asma Urooj (2010)

14. *Citric acid catalysed synthesis of 3,4-dihydroquinazolin-4-ones*.

Afsheen Mazar (2010)

15. *Synthesis of quinone-amino acid conjugates*.

Mariam Noor (2010)

M Sc (Hon.)

1. *A Study towards the synthesis of the azo dyes from 3-methyl-1-phenyl-5-hydroxypyrazol-4-yl diazonium Salt*.

Nafeesa Batool (2005).

2. *Solvent free Stobbe condensation.*

Afsheen Mazhar (2005)

3. *Revisit of Pechmann condensation*.

Asma Urooj (2005).

4. Condensation of 4,4'-methylenebis(3,5-dimethyl-1-phenylpyrazole) with aromatic aldehydes,

Marim Noor (2005)

M Sc.

1. *Synthesis of derivatives of some long chain fatty acids,*

Muhammad Ijaz (1984).

2. *Synthesis of some derivatives from picric Acid,*
   Muhammad Afzal Joya (1985.

3. *Nuclear bromination of deactivated aromatic compounds,*
   Shabbir Afzal Khan (1987).

4. *Bromination of active aromatic rings with N-bromosuccinimide,*
   Muhammad Luqman Saeed (1988).

5. *Synthesis of erio-chrome black-T starting from 2-napthol,*
   Muhammad Farooq Arif (1989).

6. *Reactions of aromatic aldehydes with biuret,*
   Azhar Masood Choudhary (1990).

7. *Benzoin condensation in DMSO,*
   Muhammad Rafiq Shahid (1991).

8. *Synthesis of novel tyrophostins and their effects on seed germination,*
   Gulraiz Younas (1997).

9. *Synthesis of some coumarin derivatives,*
   Muhammad Adnan Sheikh (1997).

10. *Synthesis of fused heterocycles,*
    Humaira Sultana (1998).

11. *Synthesis of coumarins and their effects seed germination,*
    Asia Razzaq (1998).

12. *A study towards the synthesis of photchromic compounds,*
    Sajid Nawaz Malik (1998).

13. *A study towards the synthesis of pyranoanthraquinones*.
    Muhammad Asif Javed (1998).

14. *Insect repellent activity of ethanol extracts of leaves from various desert plants,*
Muhammad Abid Zia (1998).

15. *Synthetic studies of Planofix,*
Azhar Iqbal (1999).

16. *Synthetic studies of Talofloc,*
Sher Afgun Khan (1999).

17. *Synthesis of acridinediones as laser dyes,*
Ghulam Murtaza (1999).

18. *Acylation of anilines in the presence of bismuth chloride,*
Javed Iqbal (1999).

19. *Reactions of heteroarylcarbaldehydes with 4-hydroxycoumarin,*
Ishtiaq-ul-Haq (2001).

20. *Studies towards the synthesis of 4-hydroxycoumarins,*
Salaha Siddiq (2001).

21. *Nitrations using metal nitrate –trfluoroacetic acid systems,*
Muhammad Khalid (2001).

22. *Nitrations using metal nitrate-polyphosphoric acid systems,*
Ijaz Bano (2001).

23. *Zirconia catalysed bromination of activated Aromatic Systems*.
Muhammad Arshad (2002).

24. *Synthesis of nordictamnal and its derivatives,*
Muhammad Yar (2002).

25. *Oxidative aromatic iodination,*

M. Rauf Alvi (2003).

26. *Acylation of anilines with carboxylic Acids,*
Fazal Elahi Larra (2003).

27. *Synthesis of coumarin derivatives,*
Muhammad Ramazan Thind (2003).

28. *Studies to towards the synthesis of pyrazole based azo dyes,*
Rukhsana Perveen (2004).

29. *A Revisit of the Synthesis of Chromenone Derivatives,*
Aasma Sikandar (2004).

30. *Studies towards the synthesis of 3-cinnamyl-4-hydroxy-2-(1H)quinolones,*
Naghamana Kausar (2004).

31. *Studies towards the synthesis of photochromic quinoxaline,*
Fozia Akram (2004).

32. *Synthesis of some new mono azo disperse dyes,*
Muhammaf Imran rafique (2004).

33. *Synthesis of anilides by direct condensation of anilines with carboxylic acids.*
Sumaira ashraf (2004).

34. *Oxidation of polyethylene wax.,*
Mohammad Aslam Ahsan Mazari (2004).

35. *Amino-de-hydroxylation of phenol and related compounds,*
Naveed Anwar (2005).

36. *One step synthesis of paracetamol,*
Asif Munawar (2005).

37. *Condensation of pholoroglucinol with Anilines,*
Shaista (2005).

38 *Solvent free Knoevenagel condensation by stone grinding,*
Nadia Asif (2006).

39 *Zinc oxide catalyzed Knoevenagel condensation assisted by ultrasonic irradiation,*
Sahar Ibrahim (2006).

40 *Studies in the chemical degradation of poly(vinyl Chloride),*
Nazia Zulafqar (2006).

41 *Studies in the generation of carbonyl functionality in polyethylene,*
Abid Farooq (2006).

42 *Studies towards the synthesis of eilatin,*
Kiran Saif (2006).

43 *Synthesis of coumarins under ultrasonic assistance,*
Sarwat Rafi (2006).

44 *Studies towards the synthesis of aryl vinyl sulfones,*
Mehmood-ul-Hassan (2006).

45 *Synthesis of benzoylene urea from salicylic acid,*
Amina Mir (2006).

46 *Synthesis of benzoic acid from the oxidation of toluene by using potassium permanganate-hydrogen peroxide system,*
Faryal Chaudhary (2006).

47 *Studies in the reductive acylation of nitrobenzene,*
Madiha Sahar Khan (2006).

48 *One-pot reductive acylation of nitroarenes,*

Bushra Rafique (2006).

49 *Estimation of amino acids with modified ninhydrin Reagent using Glucose as a Reducing agent,*
Sara Mussadiq (2006)

50 *Preparation of oxalic acid from wheatsStraw,*
Sumreen Asim (2006)

51 *Chemical degradation of nylons,*
Hina Saba (2006).

52 *Sulfonation of toluene using sulfuric acid - metal sulfate systems,*
Iram Shahzadi (2006).

53 *Synthesis of aminoflavones,*
Kausar Sarwar (2006).

54 *Acylation of Phenols using N,N-disubstituted acetamides,*
Quratulain Saeed (2006).

55 *Synthesis of 3-dicyanomethyleneindane-1,2-dione as a potential reagent for the detection of amino acids,*
Muhammad Shahzad (2006).

56 *Synthesis of metal free phthalocyanine and its Metal derivatives,*
Rabia Yaseen Bhatti (2006).

57 *Synthetic Studies of Bromamine Acid,*
Yasir Mehmood Abbasi (2006).

58 *Oxidation of benzoin using hydrogen peroxide under different conditions,*
Syeda Asma Iftikhar (2006).

59 *Reactions of 1,3-indandione with aromatic amines,*
Abdul Rauf (2006).

60. *Synthetic studies of 2-substituted benzimidazoles,*
Muhammad Atiq Javaid (2007),

61 *Production of ethanol from rice straw,*
Mumtaz Khan (2007).

62 *Synthesis of 3-substituted coumarins,*
Rafea Zamuraid (2007).

63 *Synthesis and reactions of aminocoumarins,*
Farheena Iqbal Awan (2007).

64 *One step nitration and bromination of carbazole,*

Noreen Sehar (2007).

65 Synthesis of amino acids conjugates of 2-furoic acid,

Afshan Ghafoor (2009)

66 Synthesis of aspirin- amino acid conjugates,

Nafeesa Mushtaq (2009)

67 Synthesis of Pyrazole based amino acid conjugates,

Hafiz Ammar Bin Saeed (2009)

68 Synthesis of 1-(coumarin-3-acetyl)benzotriazole and its reaction with amino acids,

Kanwal Shehzadi (2009)

69 Synthesis of 1,2,5-oxadiazole based amino acid conjugates,

Amina Yasin (2009)

70 Synthesis of 1-(benzimidazol-2-acetylbenzotriazole and its reactions with amino acids,

Saira Ashiq

BS (HON.) THESIS

1. *One-pot conversion of Nitrobenzene to Acetanilide using Sodium Dithionite in Acetic Acid*

   Amber Naeem (2006)

2. *Synthesis of quinoline derivatives,*

   Shamsa Jabeen (2006)

3. *Production of oxalic acid from cotton waste,*

   Ghulam Mustafa (2006)

4. Mononitration of phenols with concentrated nitric acid impregnated on kaolinite clay,

   Shumaila Rasheed Chohan (2006)

5. *Preparation of oxalic acid from sucrose using nitric acid and hydrogen peroxide mixtures,*

   Miss Asma Butt (2006)

6. *Synthesis of 1-Substituted Benzimidazole,*

   Miss Sarosh Iqbal (2008)

<u>OFFICIAL ASSIGNMENTS</u>

1. Assistant Warden, Usman Hall, Islamia University Bahawalpur (1989-1992).

2. Secrecy officer, Islamia University, Bahawalpur (Nov 1998-March 2000).

3. Confidential Printing Officer Islamia University, Bahawalpur (March 2000-May 30, 2002).

4. Member, Board of Studies, Institute of Chemistry, University of the Punjab, Lahore. (2002-).

5. Member, Disciplinary Council for the Institute of Chemistry, University of the Punjab, Lahore.

6. Member, Departmental Purchase Committee, Institute of Chemistry, University of the Punjab, Lahore.

7. Member, Technical Committee, Institute of Chemistry, University of the Punjab, Lahore.

8. Visiting Faculty Member, Department of Chemistry, Lahore College for Women University, Lahore.

9. Member, Management Committee for Higher Education Commission Funded Project.

10. Coordinator and controller of Examination MSc Evening and BS Classes in the Institute of Chemistry, University of the Punjab.