
RESEARCH PUBLICATIONS, JOURNALS, AND BOOKS PUBLISHED

FACULTY OF ARTS & HUMANITIES

Department of Archaeology:

- Masih, F. Origin and Evolution of Nagara Sikhara Temple Architecture with Special References to the Salt Range Temple.
- Farooq, A. A, Sohdra Tarikh Kay Main Ainay Main
- Farooq, A.A. Yaad – I – Raftgaan
- Baig, M.B.A. The Fatimids Multan and their Coins of Multan, JONS, London

Department of English Language & Literature:

- Raza, A.(2009). Dynamic Linguistic and Artistic Patterns in Jonson's THE ALCHEMIST. *Journal of Research (Humanities)*. Department of English Language and Literature, University of the Punjab, Lahore, Vol. 42 - 45 January 2006 – January 2009.
- Raza, A. and Saeed, Z. (2009). The Drama of Existence in R. K. Narayan's The Guide by in The Vedic Path **83(1-2)** January – June 2009, quarterly English *Journal Gurukul Kangri Vishwavidyalaya, Haridwar* (India). Edited by Shrawan K.Sharma.

Department of History:

- Abid, M. and Abid, Q. (2010) Egypt,s Union with Syria, Its Impact and the June 1967 War. *Pakistan Vision*
- Abid, M., and Abid, Q. (2010). United India a Dream: Jinnah,s Battle for Pakistan Scheme. *Journal of Research Society of Pakistan*

Department of Literary History:

- Multi Volume History of Urdu Literature No Fixed Duration

Department of Philosophy:

- Saeed, K. M. (2010). وجودیت، تصور موت اسلامی تناظر میں *Fikro Nazar*. Islamic International University, Islamabad. **47(3)57-75**

Centre for South Asian Studies:

Books

- Qureshi, I.H. The Struggle for Pakistan), *Nuzhat-e-Tashkeel-e-Pakistan*. Punjab University Printing Press, Lahore. **pp.542**
- Mazhar, M.S., Jabeen, M., and Goraya, N.S. (2010) *Post 9/11 Globe*, Punjab University Printing Press, Lahore. **pp.349**
- Tamimi, M. J. (2010) *Indian Foreign Policy*, Punjab University Printing Press, Lahore. **pp.218.**
- Tamimi, M. J. (2010). *Pak-Bharat Kasheedgi -(Tanaziat aur Ta'aluqat)* (Indo-Pakistan Estrangement), Punjab University Printing Press, Lahore. **pp.352**

Journal (Bi-Annual)

- *South Asian Studies*, (2009), Punjab University Printing Press, Lahore. **24(1)168**
- *South Asian Studies*, (2009), Punjab University Press, Lahore. **24(2)371**
- *South Asian Studies*, (2010), Punjab University Printing Press, Lahore. **25(1)178**
- *South Asian Studies*, (2010), Punjab University Printing Press, Lahore. **25(2)414**

Articles

- Mazhar, M.S and Goraya, N.S. (2009) "*Changing Trends in American Policy Towards Pakistan and Afghanistan*", Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **24(1):168-20-36,**
- Mazhar, M.S and Goraya, N.S. (2009). "Border Issue Between Pakistan & Afghanistan", Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **24(2):204-220**
- Tamimi, M.J. (2009). "*Hinduism in South Asia: Myth and Reality*". Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **24(2):221-241**
- Mazhar, M.S and Goraya, N.S. (2010). "America's New Afghan or Pakistan Policy", Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **25(1):39-64**
- Jabeen., M.M., Saleem, M., and Goraya, N.S. (2010). "*U.S. Afghan Relations : A Historical Perspective of Events of 9/11*", Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **25(1):143-173.**
- Jabeen., M.M., Saleem, M. and Goraya, N.S. (2010). "*Trends and Challenges in Pak U.S. Relations: Post September 11*", Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. **25(2):185-197**

Pakistan Study Centre:

- Abid, M., and Abid, Q. (2010) Pakistan Demand: From Cripps Mission to Gandhi-Jinnah Talks, *Pakistan Vision*, University of the Punjab, Lahore, **11-2:-32**
- Abid, M., and Abid, Q. (2010) United India- A Dream: Jinnah defending Partition Demand (1940-42), *Journal of the Research Society of Pakistan*, **47-1: 51-78**
- Abid, M., and Abid, Q. (2010) Egypt's Union with Syria, its Impact and the June 1967 War, *Pakistan Vision*, **111: 164-239**
- Abid, M., and Abid, Q. (2009) July Revolution and the Reorientation of Egypt's Foreign Policy, *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore, **46-2:1-66**

Books

- Abid, M., and Abid, Q. (2009), *History, Politics and Society: The Punjab*, Pakistan Study Centre, University of the Punjab, Lahore, pp. 368
- Abid, M., and Abid, Q. (2009) (Ed.), *Communalism in India: The Role of Hindu Mahasabha*, Research Society of Pakistan, University of the Punjab, Lahore, pp. 194

- Abid, M., and Abid, Q. (2009) (Ed.), History and Civilization of Muslim World, Research Society of Pakistan, University of the Punjab, Lahore, pp.502

Publications

- Pakistan Vision (Research Journal) 02 issues
- India Desk 10 issues
- Inside Pakistan 02 issues

University College of Arts & Design:

- Mahmood, S. (2009). Thermae of Carcalla *Sunday Plus* of daily *The Nation* October 11, 2009.
- Mahmood, S. (2009). The Great Wall of China, *Sunday Plus* of daily *The Nation* November 29, 2009.
- Mahmood, S. (2009). Chand Baoli, *Sunday Plus* of daily *The Nation* December 06, 2009.
- Mahmood, S. (2009). A Forgotten Tomb of Chiniot, *Sunday Plus* of daily *The Nation* January 03, 2010.
- Mahmood, S. (2010). Mehboob Ali: An Artist for All Seasons, *Sunday Plus* of daily *The Nation* January 31, 2010.
- Mahmood, S. (2010). Tracing the Origin of Basant, *Sunday Plus* of daily *The Nation* February 28, 2010.
- Mahmood, S. (2010), The Myth of the April Fools' Day, *Sunday Plus* of daily *The Nation* April 04, 2010.
- Mahmood, S. (2010), Talismanic Words, *Sunday Plus* of daily *The Nation* May 16, 2010.
- Prof. Dr. Shaukat Mahmood, Mansura: A Railway Memento in the Desert, *Sunday Plus* of daily *The Nation* May 30, 2010.
- Mahmood, S. (2010)., About the Disappearing Heritage of Cholistan, *Sunday Plus* of daily *The Nation* June 06, 2010.
- Mahmood, S. (2010)., The Rise and Fall of Fatehpur Sikri, *Sunday Plus* of daily *The Nation* June 20, 2010.
- Mahmood, S. (2010). Legend of Katas Raj, *Sunday Plus* of daily *The Nation* July 18, 2010
- Mahmood, S. (2010). Paintings birds and animals, *Sunday Plus* of daily *The Nation* July 25, 2010.
- Mahmood, S. (2010). The Saint of Sikri *Sunday Plus* of daily *The Nation* August 8, 2010.
- Mahmood, S. (2010)). The Forgotten Fort of Harrand, *Sunday Plus* of daily *The Nation* August 29, 2010.
- Mahmood, S. (2010). Ramadan and Eid al-Fitr, *Sunday Plus* of daily *The Nation* September 05. 2010.
- Mahmood, S. (2010). Hiran Minar: Hunting resort of Emperor Jahangir *Heritage* Issue 09, 2010.
- Mahmood, S. (2010). Elegance in Stone: Stone carvings of Makli *Heritage* Issue 09, 2010.
- Manzoor, S. (2010). "Art Criticism in Pakistan: A Dilemma" *Oriental College Magazine*, Lahore: Punjab University Press, **85(3):37-45**
- Manzoor,S.(2010). "Creativity is Life and Life is Creativity" *Oriental College Magazine*, Lahore: Punjab University Press, **84(4):17-26**.

FACULTY OF BEHAVIOURAL& SOCIAL SCIENCES

Department of Political Science:

- Department publishes bi-annual journal "*Journal of Political Studies*" Issue (16-17) published by the department.

Research Publications:

- Javaid, U. (2010) 'Religious Militant Extremism: Repercussions for Pakistan', *Journal of Political Studies*, **17:53-76**.
- Javaid, U. (2010). "Confidence Building Measures in Nuclear South Asia: Limitations and Prospects", *Journal of South Asian Studies*, Punjab University Lahore, **25(2):339-357**.
- Javaid, U. (2010). "Resistance and its Progression to Insurgency" *Journal of Strategic Studies*, **30(1-2):171-186**.
- Javaid, U. (2010). "Corruption and its Deep Impact on Good Governance in Pakistan". *Pakistan Economic & Social Review*, **48(1):123-134**.
- Javaid, U. (2010). "Intensive US Engagement for Enhanced Role in South Asia" *Journal of South Asian Studies*. **25(1):65-72**.
- Javaid, U. (2009). "Bahawalpur State: Effective Indirect Participation in Pakistan Movement. *Journal of the Research Society of Pakistan*, **46(2):191-201**
- Javaid, U. (2009). "Significance of Dialogue Process for Peaceful Co-existence between Pakistan and India, *Journal of Political Studies*, **16:23-35**
- Khalid, I. Central Asia; Challenges and Options, *Indian Journal of Politics*, **44(1):**
- Khalid, I. (2010). Dr. Iram Khalid, Indian Foreign Policy: Continuity and Readjustment, *Journal of Political Studies*, **17**
- Khalid, I. (2010). Afghanistan: Study of Fragile Political Experience, *Journal of Research (Humanities)*
- Khalid, I. (2010). Iran's Nuclear Program, *Historian*, **8(3):**
- Khalid, I. (2010). Contemporary Afghanistan: Quest for Peace and Stability in the Region, Margalla Papers, NDU. Islamabad.
- Khalid, I. (2010). Trans-Boundary Water Sharing Issues: A case of South Asia, *Journal of Political Studies*, **18**
- Khalid, I. (2010). Bangladesh Water Concern, *Journal of South Asian Studies*. **25(1):**
- Adnan, M. (2010), An over view of domestic threats to Pakistan Security', *Journal of Political Studies*.**(17)**

Institute of Communication Studies:

- Bi annual *journals of media studies*
- Communication Studies Bulletin (News Letter)
- Bi lingual Urdu English Magazine "IMAGE"
- Research articles from various teachers
- Weekly newspaper "IBLAGHIAT" as future plan

Institute of Social & Cultural Studies:

- Hafeez, M., and Razaullah. (2010) Approaches to Studying and Perceptions of the Academic Environment among University Students in Pakistan, Compare (A Journal of Comparative and International Education, UK) **41(1):113-127**.
- Hafeez, M. (2010) Fragmentation and Mistrust: Tools of American Foreign Policy towards Pakistan', Project Pakistan 21 Century (online publication), October 31, 2010, Islamabad, Pakistan (republished by nine different online publishers).
- Hafeez, M., and Razaullah. (2010) Variations in Perceptions of the Learning Environment, Learning Preferences, Academic Motivation and Approaches to Studying Among University Students in Pakistan, Institute of Education Technology, The Open University, UK.
- Zakar, M. Z., Rubeena Zakar and Alexander Kramer. (2010) Primary Health Care Physicians' Response to the Victims of Spousal Violence. Health Care for Women International (Taylor & Francis, Philadelphia). (Forthcoming)
- Zakar, M. Z., Zakar, R. and Kramer, A. (2010) Spousal Violence against Women in the Context of Martial Inequality: Perspectives of Pakistani Religious Leaders." *The International Journal of Conflict and Violence* (Forthcoming)

FACULTY OF COMMERCE**Hailey College of Banking & Finance:****Research Publications Khawaja Amad**

- Saeed, K.A (2010). Quad's vision of Economy of Pakistan Some Reflections - I Business Recorder
- Saeed, K.A (2010). Economic Development Business Recorder
- Saeed, K.A (2010). Islamic Banking Quantitative Analysis – II, Business Recorder
- Saeed, K.A (2010). Islamic Banking: Progress and Review Business-I, Recorder
- Saeed, K.A (2010). State of Economy, Business Recorder
- Saeed, K.A (2010). Poverty Reduction Via Growth Drivers, Business Recorder
- Saeed, K.A (2010). Corporate Governance, Business Recorder
- Saeed, K.A (2010). Guidelines for Public Life Strengthening Democratic Setup, Business Recorder
- Saeed, K.A (2010). Floods: Analysis Through five Ws Business, Recorder
- Saeed, K.A (2010). Constitution and Budget, Business Recorder
- Saeed, K.A (2010). Life Insurance for Social Development, Business Recorder
- Saeed, K.A (2010). Corruption Perceptions Index 2009: An Analysis, Business Recorder
- Saeed, K.A (2010). Islamic Banking in Pakistan, Business Recorder
- Saeed, K.A (2009). Fiscal Finance Public Expenditure and Financial Accountability. The Management Accountant Kolkata – India.
- Saeed, K.A (2010). 7th NFC Award – Revenue Sharing Formula, Pakistan & Gulf Economist.

- Saeed, K.A (2010). Generating Employment in Life Insurance, Pakistan & Gulf Economist.
- Saeed, K.A (2010). Insurance Sector in Pakistan (Pakistan & Gulf Economist).
- Saeed, K.A (2010). Non Performing Loans, Pakistan & Gulf Economist.
- Saeed, K.A (2010). Quantitative Series – II: Revenue Budget and Annual Development Plan 2009 -10, Pakistan & Gulf Economist.
- Saeed, K.A (2010). Pakistan Federal Budget 2009 -2010, Pakistan & Gulf Economist.
- Saeed, K.A (2010). Transparency International: Corruption Perceptions Index 2009, Pakistan & Gulf Economist
- Saeed, K.A (2009). Leadership Development From Grass Root, Pakistan & Gulf Economist **pp 55 -56**
- Saeed, K.A (2009). Listed Investment Banks, Pakistan & Gulf Economist.
- Saeed, K.A (2009). Gilani Role in Davos Moot, The Nation.
- Saeed, K.A (2009). Govt's Economic Achievements in First Year, *The Nation*.
- Saeed, K.A (2010). Energy Economic Agenda For Pakistan, The Pakistan Accountant **pp 35-36**

Research Publications, Journals and Books published.

The following books were authored / edited by Prof. Dr. Khawaja Amjad Saeed

- Saeed, K.A. (2009-2010). *Strategic Management: Concept & Cases*
- Saeed, K.A. (2009). *Principles of Auditing*
- Saeed, K.A. (2009). *Advanced Auditing*
- Saeed, K.A. (2010). *Company Law in Pakistan*
- Saeed, K.A. (2009). *Marketing Cases (With Emphasis on International Business)*
- Saeed, K.A. (2009). *Personal Management: (HRM /HRD)*
- Saeed, K.A. (2010). *Economy of Pakistan (Under Print)*
- Saeed, K.A. (2009). *Mercantile & Industrial Laws in Pakistan*
- Saeed, K.A. (2009). *Income Tax Law of Pakistan*

Hailey College of Commerce:

- Ali, L., and Bilal, R. (2010) Computer Application in Business (Revised) Syed Mobeen Mahmud & Co. Lahore **pp280**
- Cheema, K.M. (2010). Business Law (Revised) West Pak Publishing & Co. (Pvt. Ltd. 17 – Urdu Bazaar Lahore. **pp 384**
- Cheema, K.M. (2010). Introduction to Business (Revised) West Pak Publishing & Co. (Pvt. Ltd. 17 – Urdu Bazaar Lahore. **pp 384**
- Mughal, M.M. (2010) Income Tax. Syed Mobeen & Co. Lahore. **pp 445**
- Mughal, M.M. (2010) Sales Tax. Syed Mobeen & Co. Lahore. **pp316**

- Jabbar, A.A., and Janjua, R. (2010). Introduction to Business. Azhar Publishers, Khalid Educational Centre 40-Urdu Bazar Lahore. **pp235**
- Shafique, A.H., Siddiqi, M. and Mubbashar (2010). Fundamentals of Financial Accounting. **pp.729**
- Bowra, Z.A. (2010). Business Mathematics & Statistics. Jadeed Book Depot, Lahore. **pp 456**
- Alam, H.M. and Akmal, A.R (2010). Money, Banking and Finance. Syed Mobeen & Co. Lahore. **pp 326.**
- Rizavi, S.S. (2010). Introduction to Economics. Syed Mobeen & Co. Lahore. **pp 450**
- Afzal, S., Ahmad, Z. (2010). Cost Accounting. Syed Mobin Publishing Company, Lahore. **pp 250.**

Research Achievement

- Rizavi, S.S. and Sofer, C. (2010) "Household division of labor: Is there any escape from traditional gender roles?," Documents de travail du Centre d'Economie de la Sorbonne 10009, Universite Pantheon Sorbonne (Paris 1), Centre d'Economie de la Sorbonne.
- Rizavi, S.S. and Sofer, C. (2009). "Position relative des femmes et repartition du travail domestique. Une analyse des couples francais", *European Journal of Economics and Social Systems (EJESS)* **22(2):**
- Shoukat, M.Z., Usman, A., Ahmad, I and Nawaz, Musarrat (2010). Deciphering the DNA of Do-Good Company: Expedition 206:coca cola finds a new way to become socially responsible. *The journal of Commerce*, **2(1):66-72**
- Ahmed, I., Nawaz, M.M., Ahmad, Z., Shaukat, M.Z. and Usman, A. (2010). What matters the most for SMS user's satisfaction and retention, an evidence from telecom sector of Pakistan, *published in proceedings of international conference on Industrial Engineering and Business Management (ICIEBM, 2010)*, 12-13 October 2010, Department of Industrial Engineering, UIN Susan Kalijaga, Yogyakarta, Indonesia, **133-138** (ISBN-978-602-97809)
- Ahmed, Z., Ahmad, Z, Nawaz, M. M. and Ahmed, I. (2010). Comparative significance of the four perspectives of Balanced Scorecard, published in the proceedings of Annual Hawaii International Business Research Conference, 27-28 Sep, Honolulu, Hawaii.
- Ahmad, N., Ahmad, Z. and Ahmed, I. (2010) Determinants of Capital Structure: A case of life insurance sector of Pakistan. *European Journal of Economics, finance and Administrative Science*, **24:7-12**
- Ahmed, I. Nawaz, M.M., Ahmad, A., Ahmad, Z, Ahmad, Z., Shaukat, M.Z., Usman, A., Rehman, W. and Ahmad, N. (2010). Does service quality affect student' performance? Evidence from institutes of higher learning. *Accepted for publication in African Journal of Business and Management*, **4(12):2527-2533**
- Ahmad, Z., Ahmad, Z., Ahmed, I. and Nawaz, M.M. (2010). Organizational Climate (OC) as Employee's Satisfier: Empirical Evidence from Pharmaceutical Sector. *International Journal of Business and management*, **5(10):214-222.**

- Nawaz, M.M., Ahmed, I., Usman, A., Shaukat, M.Z., Ahmed, N. and Rehman, W. (2010). Role of faculty members in nurturing future leaders, an empirical study of institutes of higher learning, *published in proceedings of EduLEARN10 conference*, July 05-07, International Association of Technology, Education and Development (IATED), Barcelona, Spain, 2311-2319 (ISBN-978-84-613-9386-2)
- Nawaz, M.M., Ahmed, I., Ahmad, Z, Shaukat, M.Z., and Usman, A. (2010). Style of faculty members as predictor of satisfaction and extra effort: Evidence from institutes of higher learning. *European Journal of Social Sciences*, **15(2):44-50**
- Nawaz, M.M., Ahmed, I., Ahmad, Z, Shaukat, M.Z., and Usman, A., Rehman, W. and Ahmed, Naveed (2010). Determinants of students' entrepreneurial career intentions: evidence from Business Graduates. *European Journal of Social Sciences*, **15(2):14-22**
- Ahmad, A., Ali, Liaqat, Ahmad, N., Nawaz, M.M., Ahmed, I (2010). Perception of middle level managers regarding organization work climate: an exploratory study of pharmaceutical industry in Pakistan. *Interdisciplinary Journal of Contemporary Research in Business*, **2(2):361-378**
- Ahmed, I., Ramzan, M. and Usman, M. (2009). Impact of Personality Traits on Entrepreneurial Intentions of University Students, *Presented at 14th National Research Conference*, Dec, 24, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST), Karachi, Pakistan.
- Ali J.F., Ali, I., Ullah, W., Ahmed, I. and Akram, M. (2009). Determinants of consumer Retention in Cellular Industry of Pakistan, *Presented in 2nd Comasats Intl. Business Research Conference*, Nov 14, Comsats Institute of Information Technology, Lahore. Pakistan.

FACULTY OF ECONOMICS & MANAGEMENT SCIENCES

Department of Economics:

- Jalil, H., Rehman, H., Maqbool, H. and Hussain, S.S., (2009). "Analysis of Milk Production System in Peri-Urban Areas of Lahore (Pakistan): A Case Study", *Pakistan Economic and Social and Review (PESR)*, **47(2):229-242**.
- Mahmood, T., Rehman, H., and Rauf, S.A. (2009) "Debt dynamics and its burden on national economy: A case studies of Pakistan", *Journal of Political Studies*, **16:31-44**.
- Mahmood, T., Rauf, S.A, and Ahmad, H.K. (2009). "Public and External Debt Sustainability in Pakistan (1970s-2000s)", *Pakistan Economic and Social and Review (PESR)*, **47(2):269-292**.
- Afzal, M., Butt, A.R., Rehman, H., and Begum, I., (2009). "A Dynamic Analysis of the Relationship among Human Development, Export and Economic Growth in Pakistan", *Pakistan Development Review (PDR)*, **48(4):885-920**
- Aslam, M. and Noor, A.(2009). "Economic Management and Roots of Inflation in Pakistan" *Forman Journal of Economic Studies*. **5:17-34**.

- Rehman, H., Shahbaz, M., and Amir, N. (2010). "The Impact of Trade and Financial-Openness on Government Size: A Case Study of Pakistan", *Journal of Quality and Technology Management*, **6(1):05-118**.
- Rehman, H., Jaffri, A.A. and Ahmed, I. (2010) "Impact of Foreign Direct Investment (FDI) Inflows on Equilibrium Real Exchange Rate of Pakistan", *Journal of South Asian Studies* **25(1):125-141**.
- Rehman, H., Faridi, M.Z. and Bashir, F. (2010) "Households Saving Behavior in Pakistan, A Case of Multan District", *Pakistan Journal of Social Sciences (PJSS)*, **30(1):17-29**
- Afzal, M., Farooq, M.S., Ahmad, H.K., Begum, I., and Quddus, A.M (2010). "Relationship between School Education and Economic Growth in Pakistan" *Pakistan Economic and Social and Review (PESR)*, **47(1):39-60**.
- Ahmad, H.K., Ilyas, M., Mahmood, T. and Afzal, M. (2010) "Exploring the Effect of Total Factor Productivity Growth on Future Output Growth", *Pakistan Economic and Social and Review (PESR)*, **48(1):105-122**.
- Akhtar, N.A, Jalil, F., Farooq, M. S., Afzal, M. and Awan, M.U. (2010) "Effect of Leadership and Academic Culture on Implementation of Self Assessment Manual in Public Sector Universities of Pakistan" *Journal of Quality and Technology Management* **6(1):135-152**.
- Faridi, M.Z., Shrafi, M., Anwar, M., and Majeed, A. (2010). "The Determinants of Self-Employment in Pakistan: Evidence from Primary data analysis", *Journal of Political Studies*, **17:51-166**.
- Ahmad, R., Rehman, H. and Ahmed, H.K. (2009). *Pakistan Economic and Social Review* **47(2):**
- Ahmad, R., Rehman, H. and Ahmed, H.K. (2009). *Pakistan Economic and Social Review* **48(1):**
- *Pakistan Economic and Social Review* (Bi-Annual) (Two issues published)

Department of Library & Information Science:

Papers

- Ameen, K. (2010). The Culture of Collection Evaluation in Pakistan. *Library Philosophy and Practice*.
- Malik, A. and Ameen, K. (2010). Effectiveness of library practicum: Perceptions of LIS graduates. *Library Review*, **59(8):573-584**. [UK]
- Batool, S.H., and Ameen, K. (2010). Status of technological competencies: A case study of university librarians. *Library Philosophy and Practice (LPP)*
- Ameen, K and Shafiq, F. (2009). Oriental Collection in the Punjab University Library: A Case Study. *Trends in Information Management: Special Issue in oriental Librarianship*, **5(1):16-30**.
- Ameen, K. (2009). Needed Competencies for Collection Managers and their Development: Perceptions of University Librarians. *Library Management*, **20(4-5):266-275**. [UK].
- Ameen, K. and Gorman, G. (2009). Information and digital literacy: a stumbling block to development? A Pakistan perspective. *Library Management*, **30(1-2):99-112**. [UK]

- Rafiq, M., and Ameen, K. (2010). Adoption of open source software in Pakistani libraries: a survey. *Information Age*, **4(3)**:
- Mairaj, I., and Ameen, K. (2010). Undergraduate LIS education in Pakistan: An overview. *Pakistan Journal of LIS*, **11**:
- Warrich, N. F., Ameen, K. and Tahira, M. (2009). Usability study of a federated search product at Punjab University. *Lib. Hi Tech News*. **26(9):14-15**.
- Fatima, N. & Ameen, K. (2010). Perceptions of LIS professionals regarding use of Pakistan National Digital Library databases. *The Electronic Library*, **28(1):108-121**.
- Shafique, F., & Mahmood, K. (2010). Model development as a research tool: An example of PAK-NISEA. *Library Philosophy and Practice (LPP)* :**1-12**.
- Shafique, F., and Mahmood, K. (2010). The role of educational information systems for survival in information society and the case of Pakistan. *The International Information & Library Review*, **42(3):164-173**.
- Batool, S. H., and Mahmood, K. (2010). Entertainment, communication or academic use? A survey of Internet café users in Lahore, Pakistan. *Information Development*, **26(2):141-147**.
- Khan, M. A., and Mahmood, K. (2010). A study of the usefulness of Pakistan Library Automation Group's (PakLAG) services. *Library Philosophy and Practice (LPP)*.
- Safdar, M., Mahmood, K., and Qutab, S. (2010). Internet use behavior and attitude of college students: A survey of Leadership Colleges' Network. *Library Philosophy and Practice (LPP)*.
- Awan, M. R., and Mahmood, K. (2010). Relationship among leadership style, organizational culture and employee commitment in university libraries. *Library Management*, **31(4-5):253-266**.
- Mahmood, K., and Shafique, F. (2010). Changing research scenario in Pakistan and demand for research qualified LIS professionals. *Library Review*, **59(4):291-303**.
- Idrees, H., and Mahmood, K. (2010). Classification of Islamic literature in Pakistani libraries: A survey. *Library Review*, **59(3):149-164**.
- Tahir, M., Mahmood, K., and Shafique, F. (2010). Use of electronic information resources and facilities by humanities scholars. *The Electronic Library*, **28(1):122-136**.
- Arif, M., & Mahmood, K. (2009). Libraries' services at distance: A survey of Allama Iqbal Open University tutors in Pakistan. *Journal of Library & Information Services in Distance Learning*, **3(3/4):159-172**.
- Arif, M., & Mahmood, K. (2010). Allama Iqbal Open University Library services to teachers: A survey. *Pakistan Library and Information Science Journal*, **41(4):10-18**.
- Rehman, S. U., & Mahmood, K. (2010). Status of reference and information services in university libraries of Lahore, Pakistan. *Pakistan Library and Information Science Journal*, **41(3):2-15**.

- Kousar, M., & Mahmood, K. (2010). Dr. Syed Jalaludin Haider: A bio-bibliometric study. *Pakistan Journal of Library & Information Science*, **11:32-43**.
- Shafique, F., & Mahmood, K. (2010). The need of information system and networks for survival into information society. *Pakistan Library and Information Science Journal*, **41(2):11-17**.
- Anwar, M. (2009). What's in a name? *Information Outlook*, **13(5): 22-26**.
- Anwar, M and Asghar, M. (2009). Information seeking behavior of Pakistani newspaper journalists. *Pakistan Journal of Library & Information Science*, **(10):57-79**.
- Warrich, N. F. and Ameen, K. (2010). Perceptions of LIS professionals regarding use of Pakistan National Digital Library databases. *The Electronic Library*, **28(1):108-121**.
- Warraich, N. F. and Tahira, M. (2010). Manuscript Collection in the Punjab University Library: Assessing Management Issues. *Chinese Librarianship: an International Electronic Journal*, **(29)**
- Warrich, N. F., Ameen, K. and Tahira, M. (2009). Usability study of a federated search product at Punjab University. *Lib. Hi Tech News*. **26(9):14-15**.
- Warraich, N.F. (2010). MLIS curriculum at Punjab University: Perception and Reflections. *Library Philosophy and Practice*.
- Batool, S. H., and Mahmood, K. (2010). Entertainment, communication or academic use? A survey of Internet cafe users in Lahore, Pakistan. *Information Development*, **26(2):141-147**.
- Batool, S.H., and Ameen, K.(2010). Status of technological competencies: A case study of university librarians. *Library Philosophy and Practice (LPP)*,

Books

- Mahmood, K. (2009). *Alternative funding model for libraries: A Pakistani perspective*. Saarbrücken, Germany: VDM Publishing.

Journal

- Pakistan Journal of Library & Information Science 11(2010). ISBN: 1680-4465 has been published by the department.

Institute of Administrative Sciences:

- Jadoon, Z.I. and Jabeen, N. Public Administration Education in Pakistan: Issues, Challenges and Opportunities. *Pakistan Vision, Pakistan Study Centre, University of the Punjab*. **11(1):121-141**
- Rizwan, A. and Jadoonm Z.I. (2010). Agencification in Pakistan: A comparative study of service delivery and regulatory agencies. *32nd International conference, European group of Public Administration, Toulouse, France*
- Jadoon, Z.I. and Jabeen, N. (2010). Gender and local governance in Pakistan: Promoting participation through capacity building. *South Asian Studies* **25(2):255-281**
- Jabeen, N., (2009). National Speaker on Gender Equity & Governance in Pakistan. *Governance Institutes Network International, Islamabad*. International Conference. 16th - 18th Dec, 2009

- Jadoon, Z.I. and Jabeen, N. (2010). Good enough governance: a possible governance framework for South Asia. *Asian Profile*. **37(3):209-224**
- Jadoon, Z.I. and Jabeen, N. (2009). Gender and local governance in Pakistan: Representation vs. Participation' *International NGO Journal* **4(5):264-276**

Institute of Business Administration:

- Malik, M. E., Danish, R. Q. and Ali, U. (2010). Impact of Job Climate and Extrinsic Rewards on Job Satisfaction of Banking Executives; A Case of Pakistan, *Interdisciplinary Journal of Contemporary Research in Business*, United Kingdom **1(12):125-139**.
- Malik, M. E. Nawab, S., Naeem, B. and Danish, R. Q. (2010). Job Satisfaction and Organizational Commitment of University Teachers in Public Sector of Pakistan, *International Journal of Business and Management*, **5(6):17-26**.
- Malik, M.E and Naeem, B. (2010). Commentary On: Role of Receptive and Expressive Influence Tactics and Behaviors in Personal Selling Process, *Pakistan Economic and Social Review*, **48(1):21-38**.
- Malik, M.E and Naeem, B. (2010) Commentary: Spirituality at Workplace, *Al-Adwa* **24(32):31-40**.
- Malik, M. E., Danish, R. Q. and Ali, U. (2010). Impact of Spiritual Consciousness on the Job Performance of Banking Executives, *Interdisciplinary Journal of Contemporary Research in Business*, United Kingdom **2(1):142-158**.
- Malik, M. E., Danish, R. Q. and Ali, U (2010). The Impact of Service Quality on Students' Satisfaction in Higher Education Institutes of Punjab, *Journal of Management Research*, **2(2):1-10**.
- Bodla, M.A., Naeem, B.(2010), Motivation and Dissatisfaction of Pakistani Pharmaceutical Salesforce, *Interdisciplinary Journal of Contemporary Research in Business*, **1(12):73-80**

FACULTY OF EDUCATION

Department of Special Education:

- Bano, H.(2010). "Pure Tone Audiometry in Children", *Pakistan Pediatric Journal ISSN 0304 4904*, **34(1)**:
- Fazil, H., Hameed, A. (2009). "Perceptions of Prospective Special Education Teachers about Autism and its Implications for Children with Autism in Pakistan", *Pakistan Journal of Special Education*, **10:53-60**.
- Fazil, H., (2010). Presented a research paper on "Interventions used for Communication Problems of children with Autism" in a seminar on world autism day held on 1st April 2010 in Rising Sun Institute, DHA, Lahore

Institute of Education & Research:

Journals

- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore **31(2)**
- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore. **32(1)**:

Publications

- Akhter M. (2010) An innovative collaborative group learning strategy for improving learning achievement of slow learners. *Research and Reflection in Education* **4(2)**:
- Akhter M. (2010) Islamic Educational Approach to Environment Protection: A Strategic Approach for Secure and Peaceful World. *In ternational Journal of Business and Social Science*. **1(3)**:
- Akhter M. (2009) Under and Post-graduate Experiences of Teaching-Learning Environments in the Islamic Republic of Pakistan (Approaches of Studying). *Muslim Education Quarterly, U.K.*
- Hafiz M. Iqbal, Saiqa, A. and Rizwan A.R. (2009) Secondary School Science Teachers' Views about the 'Nature of Science' *Bulletin of Education and Research (Pak)* **31(2):29-44**
- Dilshad, M. and Iqbal, H.M. (2010) Quality indicators in teacher education programmes. *Pakistan Journal of Social Sciences*. **30(2)**:
- Pell, A.W., Iqbal, H. M. and Sohail, S. (2010) Introducing science experiments to rote-learning classes in Pakistani middle schools. *Evaluation & Research in Educaion*. **23(3):191-212**
- Dilshad, M. and Iqbal, H.M. (2009). Human resource management at teacher education institutions in Pakistan: A total quality perspective. *Journal of Educational Research* **12(2):48-63**
- Akhtar, M.S. and Rafi, M.S. (2010). English as a Second Language Learning Strategies and Teach ability. *Language in India Strength for Today and Bright Hope of Tomorrow*. **10:7**
- Zaheer, A. and Nasir, M (2010) Effect of cooperative learning vs. traditional instruction on prospective teachers' learning experience and achievement. *Journal of Faculty of Educational Sciences, Ankara University* **43(1):151-164**
- Zafar, I. & Nasir, M. (2010), Effectiveness of group reflection activity for professional growth of prospective teachers during practice teaching. *Journal of Theory and Practice in Education*, **6(1):125-139**
- Nasir, M. (2009). Students' experience of social violence against them and their parents' awareness of this mistreatment *Journal of Behavioral Sciences (Pak)* **17(1-2):55-77**
- Zafar, I. and Nasir, M (2010). Unraveling the changing pattern of self-confidence of prospective teachers: Transition from theory of teaching to practice. *Journal of Behavioral Sciences*. **29(2):15-35**
- Saeed, M. (2010). Perceptions of students, educators, and principals about quality assurance of teacher education. *Journal of Educational Research*. **13(1):92-104**
- Saeed, M. (2010). Evaluating the quality of BEd programme Students' views about their college experiences, Teaching and Teacher Education. *An International Journal of ELSEVIER*. **26:**
- Saeed, M. (2009). Assessing performance of secondary school head teachers: A survey study based on teachers' views in Punjab, *Educational Management, Administration and Leadership*, **37(8)766-783**

- Saeed, M. (2009). A meta-analysis on primary teacher mentoring. *Journal of Educational Research*. **12:224-238**
- Saeed, M. (2009). An empirical study on mentoring B.Ed students in Pakistan *Journal of Research and Reflections in Education*, **3(1):85-103**
- Khalid M. Muhammad Z.I. and Saeed, M. (2009). Textbook Evaluation Through Quality Indicators: The Case of Pakistan. *Bulletin of Education and Research (Pak)*. **31(2):1-27**
- Arif, R. (2010). Environmental Education: A Glaring Omission in the National Education Policy 2009. *Research & Reflections in Education (Pak)*. **4(1):62-72**
- Iqbal, H.M. (2009). Education in Gilgit and Baltistan, Daily Dawn, Sunday, October 18, 2009.
- Iqbal, H.M. (2010). Education in Pakistan: Developmental Milestones
- Iqbal, H.M. (2010). Exploring Science: Activities for Primary Children (2010)
- Rana, R.A. (2009). Quality in Higher Education, Challenges and Practices. University of the Punjab, Lahore. 2009.
- Nasir, M. and Raana, M. (2010). Pakistan: System of education. In International Encyclopedia of Education 3rd Edition. Edited by Eva Baker, Penelope Peterson and Barry McGaw, Elsevier 2010. Editors-in-Chief: Barry McGaw, Eva Baker and Penelope P Peterson Section Editor: Colin Power.
- Durrani, A.K. „Control of oxides of Nitrogen and Sulfur from a coal fired CFB combustor” VDM Verlag, Dr. Muller gmbH & Co. KG.
- Saleem, M. “Gas Cleaning: An experimental study” VDM Verlag Dr. Muller

FACULTY OF ENGINEERING AND TECHNOLOGY

Institute of Chemical Engineering and Technology:

- Saleem, M. (2010). Experimental Study of the effect of stack area on thermal performance of storage type water heaters burning natural gas. *Journal of PICHE* **38:20**
- Chughtai, A. (2010). Failure analysis of heat exchanger fluid vapor phase vent lines in a polyester plant. *Journal of Engineering Failure Analysis* **17:447-454**
- Ijaz, A. Optimized values for a sieve plate pulsed column for acetic acid, water and kerosene system.
- The role of CU additions in Al on the properties of hot dip aluminized steel. *Journal of Quality and Technology Management*
- Khan, R. (2010). CFD modelling of acetylene pyrolysis for vacuum carburizing of steel *Industrial and Engineering Chemistry Research* **49(3):1130-1137**
- Muhammad, A. (2010). Optimized values for a sieve plate pulsed column for acetic acid, water and kerosene system. *Journal of Quality and Technology Management* **6:119-133**
- Shafeeq, A. (2010). Optimized values for a sieve plate pulsed column for acetic acid, water and kerosene system. *Journal of Quality and Technology Management*. **6:119-113**

- Munir, S. (2010). Sheameal and Cotton Stalk as potential fuels for co-combustion with coal. *Bioresource Technology*, **101(19):7614-7623**
- Munir, S. (2010). Co-combustion of Agricultural Residues with Coal: Turning Waste into Energy. *Energy & Fuels*, **24(3):2146-2153**
- Munir, S. (2010). Char oxidation study of sugar cane bagasse, cotton Stalk and Pakistani Coal under 1% and 3% oxygen concentrations. *Biomass and Bioenergy*. **34(3):263-271**
- Munir, S. (2010). Co-combustion of Biomass with coal: current state of knowledge. *Proceedings of Pakistan Academy of Sciences*. **47(4):265-287**
- Munir, S. (2010). Air and Fuel Staged Co-combustion of Coal with Biomass in Power Station Boilers *Journal of Quality and Technology Managment*. **6(2):81-111**
- Munir, S. (2010). Biomass as potential Reburn Fuel in Coal-fired Boilers. *Journal of Quality and Technology Managment*. **6(2):43-79**
- Munir, S. (2010). Potential Slagging and Fouling Problems associated with Biomass-Coal blends in Coal-fired Boilers. *Journal of Pakistan Institute of Chemical Engineers*. **38:1-26**

Institute of Quality & Technology Management:

- Ijaz, A. (2010). Optimized value for a sieve plate pulsed column for acetic acid, water and kerosene system. *Journal of Quality and Technology Management*, **6:119-133**.
- Ijaz, A. (2010). The Rule of Cu additions in Al on the properties of hot-dip-aluminized steel. *Journal of Quality and Technology Management*. **6-7:149-164**.
- Tanvir, Muhammad Furqan. (2009). Imagination, Rebellion and the Solitary Self: The Romantic in Ibsen's Peer Gynt. *Journal of English Studies*. (P.U., Lahore). **13-17:33-61**
- Ahmad, N., Awan, M.U., Farooq, M.S., Afzal, M. and Jalil, F. (2010), "Effect of Leadership and Academic Culture on Implementation of Self Assessment Manual in Public sector Universities of Pakistan", *Journal of Quality and Technology Management*, **6(1):135-152**. Part of this paper was presented in 10th SAMF (South Asian Management Forum) 2009 held in Bhutan from 09th -10th April, 2009.

Books:

- Rehman, H. (2010). Introduction to Linear Programming: Algorithms & Applications. SS Publishers & Printers. **pp 203**.
- Tanvir, M. F. (2010). The Self-Identity Problematic in Edwin Muir's Poetry: Philosophical and Psychological Perspectives. Lambert Academic Publishing, Germany. **pp92**.

College of Engineering & Emerging Technologies:

- Butt, T.Z. (2009) Characterization of Grade 316 Stainless Steel Biomaterial by Electrochemical Analysis, "*Engineering News*" *J. of Pakistan Engineering Congress (Pakistan)* **43(10):45**

- Butt, T.Z. and Kamran, M. (2009) Characterization of locally produced martensitic stainless steel surgical grade AISI 420A, *Engineering News, J. of Pakistan Engineering Congress* (Pakistan) **43 (12):48**
- Butt, T.Z. (2009) To study the mechanical Properties of unidirectional and Cross Rolled Ni-Cu alloy produced in VIM, *Key Engineering Materials, Trans Tech Publications*, (Switzerland) **442:88-95**
- Abdus Salam (2009) Microstructural Changes associated with high temperature deformation of Ti-3Al-4V alloy at 750C, *Proceedings of the Pakistan Academy of Sciences* (Pakistan) **47-42(2)103-106** ISSN. 0377-2969.
- Deen, K.M. (2009) Multilayer ceramic coating for impeding corrosion of sintered NdFeB magnets, *Journal of Rare Earths* (China) **27(6):1003-1007**
- Deen, K.M. (2009) Impeding corrosion of sintered NdFeB magnets with titanium nitride coating, *Materials and Corrosion*, (Germany) **61(2):130-135**
- Deen, K.M., Ahmad, R. (2009). Microstructural and electrochemical characterization of Ni/Ti2N composite coating for sintered NdFeB permanent Magnets, *Key Engineering Materials*, (Switzerland) **442:255-262**
- Deen, K.M. (2009) Corrosion failure analysis of spent caustic drainage line pipe, *Engineering Failure Analysis*, (England) **17(1):128-134**
- Deen, K.M. (2009) Failure analysis of heat exchanger fluid vapor phase vent lines, *Engineering Failure Analysis*, (England) **17(2):447-454**
- Deen, K.M. and Ahmad, R. (2009) Failure investigation of heat exchanger plates due to pitting corrosion *Engineering Failure Analysis*, (England) **17(4):886-893**
- Deen, K.M. and Ahmad, R. (2009) Microstructural study and electrochemical behavior of low alloy steel weldment *Materials and Design* (Netherlands), **31(6):3051-3055**
- Deen, K.M. (2009) Failure analysis of water pump shaft, *Journal of Failure Analysis and Prevention* (ASM), (USA) **10(2):161-166**
- Deen, K.M. and Ahmad, R. (2009) Corrosion protection evaluation of mild steel painted surface by electrochemical impedance spectroscopy, *Journal of Quality and Technology Management*, (Pakistan) **5(1):** ISSN-816-2185

FACULTY OF LAW

University College of Law:

- Tarar, I.A. (2009). Profit Bonus: from the Debries of Boon to the Crescendo of right in Pakistan (PLJ) **37:pp364**
- Haq, I. and Khan, N.U., (2009). Jurisprudence of sancity of contracts. A contextual perspective PLJ Sep 2009 as co author. Sancity of contracts for the national economy PBR 2009 as co author Kery Luger Bill legislation. A development perspective PBR 2009 as co author

FACULTY OF LIFE SCIENCES**Department of Botany:**

- Firdaus-e-Bareen and Nazir, A. (2010). Metal decontamination of Tannery Solid Waste using *Tagetes patula* in association with saprobic and mycorrhizal fungi. *The Environmentalist* **30:45-53**
- Firdaus-e-Bareen and Tahira, S.A. (2010). Efficiency of seven cultivated plant species for phytoextraction of toxic metals from tannery effluent contaminated soil using EDTA. *Soil and Sediment Contamination* **19:160-173**
- Arshad M. and Firdaus-e-Bareen. (2009). Ecological studies of Aquatic hyphomycetes in a canal and its connecting irrigation channels. *Biological Diversity and Conservation* **2:99-106**.
- Moreno G., A.N. Khalid, P. Alvarado, and Manjon J. L. (2010). Notas Sobre *Phallus callongei*. *Bol. Soc. Micol. Madrid* **34:125-128**.
- Khalid A. N., Afshan, N. S., and Elahi, H. (2010). *Masseella flueggeae* on *Flueggea virosa*, a new record for Pakistan, *Mycotaxon* **114:551-554**.
- Afshan, N. S., Iqbal, S. H., A. N. Khalid and Niazi, A. R. (2010). Some additions to the Uredinales of Azad Jammu and Kashmir (AJ & K), Pakistan. *Pak. J. Bot.* **43(1)**.
- Afshan, N. S., Iqbal, S. H., Khalid, A. N. and Niazi, A. R. (2010). A new anamorphic rust fungus with a new record of Uredinales from Azad Kashmir, Pakistan, *Mycotaxon* **112: 451-456**
- Niazi, A. R., Khalid, A. N. and Iqbal, S. H. (2010). New records of Ectomycorrhizae from Pakistan. *Pakistan Journal of Botany.* **42(6):4335-4343**
- Afshan, N. S., Khalid, A. N. and Niazi, A. R. (2010). Three new species of rust fungi from Pakistan. *Mycological Progress*, DOI 10.1007/s11557-010-0655-8. **9:485-490**
- Afshan, N. S., Khalid, A. N., Iqbal, S. H. and Niazi, A. R. and Sultan, A. (2009). *Puccinia subepidermalis* sp. nov. and new records of rust fungi from Fairy Meadows, Northern Pakistan, *Mycotaxon* **110:173-182**.
- Iqbal, S. H., Afshan N. S., Khalid A. N. and Niazi A. R. and Sultan, A. (2009). Additions to the rust fungi of Fairy Meadows, Northern Areas of Pakistan. *Mycotaxon*, **109:1-7**.
- Moreno, G., Khalid A. N. and Alvarado, P. (2009). A new species of *Phallus* from Pakistan. *Mycotaxon*, **108:457-462**.
- Sultan, M. A., Haq, I., Khalid, A. N., Bajwa, R., Mukhtar, H. and Niazi, A. R. (2009). Additions to the Uredinales of Northern Areas of Pakistan. *Pakistan Journal of Botany.* **41(1):369-372**.
- Khalid, A. N. & Afshan, N. S. (2009). Additions to the graminicolous rust fungi of Pakistan. *Mycotaxon*, **108:175-183**.
- Afshan N. S. and Khalid A. N. (2009). New records of *Puccinia* and *Pucciniastrum* from Pakistan. *Mycotaxon*, **108:137-146**

- Niazi A. R., Iqbal S. H. and Khalid A. N. (2009). Ectomycorrhizae between *Amanita rubescens* and Himalayan Spruce (*Picea smithiana*) from Pakistan. *Mycotaxon*, **107:73-80**
- Afrasiab, H. and Iqbal. J. (2010). *In vitro* techniques and mutagenesis for the genetic improvement of potato (*Solanum tuberosum* L) cvs. Desiree and Diamant *Pakistan Journal of Botany*. **42(3):1629-1637**. (I.F. 0.520)
- Manzoor, F., Malik, S. Habipour, French, J.R.J. and Jabeen, F. (2010). Survey of termites in forest of Punjab: Pakistan. *African Journal of Environmental Science & Technology*. **4(11):790-796**
- Tahir. A.A, Aftab. M., Mateen. B., and Jabeen. F. (2009). Hyper production of enzyme penicillin amidase by locally isolated thermo-tolerant *Bacillus* sp. MARC-0103 from rice starch in cheese whey. *Annals of Microbiology*. **59(4):777-783**
- Shahid. M. N., Jabeen. F. and Hassan. S. W. (2009). Isolation of Imidacloprid Degrading Bacteria from Industrial Sites. *Sci. Int. (Lahore)*. **21(1):61-68**
- Ahmed A. and Hasnain S. (2010). Auxin producing *Bacillus* sp.: Auxin quantification and effect on the growth *Solanum tuberosum*” *Journal of Pure and Applied Chemistry*. **82(1):313-319**

Department of Microbiology and Molecular Genetics:

- Hussain, A. and Hasnain, S. (2009). Cytokinin production by some bacteria: Its impact on cell division in cucumber cotyledons. *Afr. J. Microbiol. Res.*, **3:704-712**.
- Khan, J. A., Arshad, H. M. I., Jamil, F. F. and Hasnain, S. (2009). Evaluation of rice genotypes against bacterial leaf blight (BLB) disease. *Pak. J. Phytopath.*, **21:26-30**.
- Ahmad, A and Hasnain, S. (2010). Auxin producing *Bacillus* sp.: Auxin quantification and effect on the growth of *Solanum tuberosum*. *Pure Appl. Chem.*, **82:313-319**.
- Ghafoor, A. and Hasnain, S. (2010). Purification and characterization of extracellular protease from *Bacillus subtilis* EAG-2 strain isolated from ornamental plant nursery. *Polish J. Microbiol.*, **59:107-112**.
- Hussain, A. and Hasnain, S. (2010). Rapid determination of cytokinins and auxin in cyanobacteria. *Curr. Microbiol.*, **61:361-369**.
- Ahmed, M., Lucas J. Stal and Hasnain, S. (2010). The production of indole-3-acetic acid by the cyanobacterium *Arthrospira platensis* strain-MMG-9. *J. Microbiol. Biotechnol.*, **20:1259-1265**.
- Ahmed, M., Lucas J. Stal and Shahida Hasnain, 2010. Associations of non-heterocystous cyanobacteria with crop plants. *Plant and Soil*, **336:365-379**.
- Nawaz, S. K. and Hasnain, S. (2010). Noise induced hypertension and prehypertention in Pakistan. *Bosnian J. Basic Med. Sci.*, **10:239-244**.
- Rahim, S. M. A. and Hasnain, S. (2010). Agroforestry trends in Punjab, Pakistan. *Afr. J. Environ. Sci. Technol.*, **4:639-650**.
- Rehman, A., Anjum, M. S. and Hasnain, S. (2010). Cadmium biosorption by yeast, *Candida tropicalis* CBL-1, isolated from industrial wastewater. *J. Gen. Appl. Microbiol.*, **56:359-368**.

- Rahim, S. M. A., Hasnain, S. and Shamsi, S. R. A. (2010). Land suitability classification of trees species in district Rahim Yar Khan, Punjab, Pakistan. *American J. Agric.Res.*, **5:3219-3229**.
- Afrasayab, S., Faisal, M. and Hasnain, S. (2010). Comparative study of wild and transformed salt tolerant bacterial strains on *Triticum aestivum* growth under salt stress. *Braz J. Microbiol.*, **41:946-955**.
- Riaz, S., Faisal, M. and Hasnain, S. (2010). *Cicer arietinum* growth promotion by *Ochrobactrum intermedium* and *Bacillus cereus* in the presence of CrCl₃ and K₂CrO₄. *Ann. Microbiol.*, **60:729-733**.
- Ali, B., Sabri, A.N. and Hasnain, S. (2010). Rhizobacterial potential to alter auxin content and growth of *Vigna radiata* (L.). *World J. Microbiol. Biotechnol.*, **26:1379-1384**.
- Iqbal, U., Jamil, N., Ali, I. and Hasnain, S. (2010). Effect of zinc-phosphate-solubilizing bacterial isolates on growth of *Vigna radiata*. *Ann. Microbiol.*, **60:243-248**.
- Razzaq, A., Jamil, N., Naheed, N. and Hasnain, S. (2010). Bacteria from contaminated urban and hilly areas as a source of polyhydroxyalkanoates production. *Afr. J. Biotechnol.*, **9:1919-1925**.
- Liaqat, I., and Sabri, A.N., (2010). Characterization of biocides resistant isolates from dental unit water line biofilms by culture dependent approach. *Afr. J. Clin. Exp. Microbiol.*, **11:129-136**.
- Liaqat, I., Bachmann, R.T., Sabri, A.N. and Edyvean, R.G.J. (2010). Isolate-specific effects of patulin, penicillic acid and EDTA on biofilm formation and growth of Dental Unit Water Line biofilm isolates. *Curr. Microbiol.*, **61:148-156**.
- Liaqat, I. and Sabri, A. N. (2010). A laboratory approach to characterize biocides resistant isolates from Dental Unit Water Line biofilms. *Asian J. Exp. Biol. Sci.*, **1:460 – 470**.
- Hussain N., Jaffery G., Hasnain S. and Sabri, A.N., (2010). Angiotensin-converting enzyme gene I/D polymorphism in Pakistani systemic lupus erythematosus patients. *Afr. J. Biotechnol.*, **9:8134-8138**.
- Ikram, M. and Faisal, M. (2010). Comparative assessment of Selenite detoxification to elemental selenium by *Bacillus* group. *Biotechnol. Lett.*, **32:1255-1259**.
- Tabassum, B., Nasir, I.A., Farooq, A.M., Rehman, Latif, Z. and Husnain, T. (2010). Viability assessment of *in vitro* produced synthetic seeds of cucumber. *Afr. J. Biotechnol.*, **9:7026-7032**.
- Ahmed, I., Nasir, I.A., M. Haider, M.S., M. Javed, M.A., Javed, M.A., Latif, Z. and Husnain, T. (2010). *In vitro* induction of mutation in potato cultivars. *Pak. J. Phytopath.*, **22(1)**:
- Nasir, I.A., Tabassum, B., Latif, Z., Javed, M.A., Haider, M.S., Javed, M.A. and Husnain, T. (2010). Strategies to control Potato virus Y under *in vitro* conditions. *Pak. J. Phytopath.*, **22(1)**:
- Shakoory, F.R., Aziz, I., Rehman, A. and Shakoory, A.R. (2010). Isolation and characterization of arsenic reducing bacteria from industrial effluents and their potential use in bioremediation of wastewater. *Pak. J. Zool.*, **42:331-338**.
- Rehman, A., Shakoory, F. R. and Shakoory, A.R.(2010). Multiple heavy metal tolerant ciliates, *Oxytricha fallax* and *Paramecium caudatum*, isolated from industrial effluents and their potential use in wastewater treatment. *Pak. J. Zool.*, **42:301-309**.

- Rehman, A., Butt, S.A. and Hasnain, S. (2010). Isolation and characterization of arsenite oxidizing *Pseudomonas lubricans* and its potential use in bioremediation of wastewater. *Afr. J. Biotechnol.*, **9:1493-1498**.
- Rehman, A. and Anjum, M.S. (2010). Cadmium uptake by yeast, *Candida tropicalis*, isolated from industrial effluents and its potential use in wastewater clean-up operations. *Water, Air, and Soil Pollut.*, **205:149-159**.
- Saeed, A., Kheera, R.A., Abbas, N., Latif, M., Sajid, I. and Florke, U. (2010). Synthesis, characterization, crystal structures, and antibacterial activity of some new 1-(3,4,5-trimethoxybenzoyl)-3-aryl thioureas. *Turkish J. Chem.*, **34:1-11**.
- Riaz, S. (2010). Epidemiology of Van der Woude syndrome from mutational analyses in affected patients from Pakistan. *J. Clin. Genet.*, **78:247-256**.
- Riaz, S. Nawaz, S.K. and Hasnain, S. (2010). Bacteriocins produced by *L. fermentum* and *L. acidophilus* can inhibit cephalosporin resistant *E. coli*. *Brazil. J. Microbiol.*, **41:643-648**.
- Riaz, S., Alam, S. S., Srail, S. K., Skinner, V., Riaz, A. and Akhtar, M. W. (2010). Proteomic Identification of human urine biomarkers in Diabetes mellitus type-2. *Diabetes Technol. & Therap.*, **12: 979-988**.

Books

- Hasnain, S. Chapter II of Class XI Biology Text Book which comprised of (i) Classification of living things (ii) Viruses
- Sabri, A. N. One chapter of Class XI Biology Text Book which comprised of: Bacteria.
- Ashraf, M. and Hasnain, S. (2009). Exo-polysaccharides producing bacteria of salt lands- a tiny weapon to combat salinity. LAMBERT Academic Publishing. (Available on Amazon.com).
- Samreen Riaz, (2010). "Study of Protein Biomarkers for Diabetes Mellitus Type 2 and Role of High Dose Thiamine on their Level" Advances in Medicine and Biology, Editor, Leon V Berhardt. Book. Nova Science Publishers, Inc. 400 Oser Avenue, Suite 1600, Hauppauge, N.Y. 11788-3619, USA **13:**

Department of Applied Psychology:

- Jabeen, S and Kausar, R. (2010). Development of Indigenous Obsessive Compulsive Disorder Symptom Checklist. *Pakistan Journal of Psychological Research*, **25(1):1-18**.
- Kausar, R. (2010). Perceived Stress, Academic workload and Coping Strategies used by University Students. *Journal of Behavioural Sciences*, **20(1):31-46**.
- Kausar R. and Saghir, S. (2010). Posttraumatic Growth and Marital Satisfaction after Breast Cancer: Patient and Spouse Perspective. *Pakistan Journal of Clinical and Social Psychology*, **8(1):3-17**.
- Kausar, R. and Kanwal, S. (2010). Psychological Implications of Terrorism for Children: Acute-Stress Disorder symptoms in Children. *Indian Journal of Clinical Psychology*, **37(2):158-162**

- Haq, H. and Kausar, R. (2010). Resilience, Stress appraisal and Coping Strategies used by Traffic Wardens in Relation to Terror Attacks. Proceedings of 1st International Conference on Forensic Psychology: Issues and Interventions, **15-20**.
- Iqbal, A. and Kausar, R. (2010). Marital Conflicts and related Demographic Variables as Determinants of Psychological Distress in Infertile Couples. Proceedings of 1st International Conference on Forensic Psychology: Issues and Interventions, **66-78**.
- Kausar, R. and Khan A. Q. (2010). Stress Appraisal and Psychological well being of Medical Professionals working in emergency Units. *Journal of Behavioural Sciences*, **20(2):49-62**.
- Kausar, R., and. Rashid, A. (2010). Self Concept and Emotional Intelligence of Adolescents from orphanage vs those living with parents. Proceedings of Congress of International Acceptance and Rejection: Social, Emotional and Educational Context, held in Crete, Greece. Brown Walker Press / University Publisher, Inc, Florida, USA.
- Kausar, R. and Bibi, B. (2010). Coping Strategies and Psychological Distress in Amputated Survivors of 8/11 Earthquake in Pakistan. *Pakistan Journal of Psychology*, **41(2):135-146**.
- Farooqi, N.Y. (2010). Gender Differences in Anxiety among Pakistani Survivors of Suicide Bomb Blast. *International Journal of Peace and Development Studies*. Available Online at <http://www.academicjournals.org/IJPDS> ISSN 2141-2677 *Academic Journals*, **1(1):20-30**
- Farooqi, N., Y. (2010). How to Deal with Ethical Challenges. Book Review of Ethics Desk for Reference for Counselors. *APA Online Journal-PsycCRITIQUES*. American Psychological Association, Washington, D.C, U.S.A. **55(29):7**.
- Farooqi, N., Y. (2010). Gender Differences in Anxiety and Depression among Pakistani Cancer Patients. *Journal of Research Society*. Department of History, University of the Punjab, Lahore.
- Farooqi, N., Y. (2010). Having an Allergy to a Person – Part 1. PSYCHALIVE. The Glendon Association. Santa Barbara, California. <http://www.psychalive.org/2010/07/how-to-cope-with-an-allergy-to-a-person/>
- Farooqi, N., Y. (2010). How to Cope with an Allergy to a Person – Part 2. PSYCHALIVE. The Glendon Association. Santa Barbara, California. <http://www.psychalive.org/2010/07/how-to-cope-with-an-allergy-to-a-person/>
- Farooqi, N., Y. (2010). How to Treat an Allergy to a Person – Part 3. PSYCHALIVE. The Glendon Association. Santa Barbara, California. <http://www.psychalive.org/2010/07/how-to-cope-with-an-allergy-to-a-person/>
- Rafiq, R. and Ayub, A. (2010). Anxiety, Depression and Coping strategies in Preoperative Cardiac Surgery Patients. *The Journal of Cardiovascular Diseases*, The Punjab Institute of Cardiology, **8(1):**
- Rasheed, S. and Rafique, R. (2010). Burnout and Anger in women Diagnosed with Acute Myocardial Infarction. *The Journal of Cardiovascular Diseases*, The Punjab Institute of Cardiology. **8(1):**

- Safdar, T. and Rafique, R. (2010). Anger, Depression and Anxiety in Patients with Acute Myocardial Infarction: A Case Control Design. *The Journal of Cardiovascular Diseases*, The Punjab Institute of Cardiology. **8(1)**:

Department of Zoology:

- Khan, W.A., Qasim, M., Ahmad, E., Chaudhry, A.A., Bhaagat, H.B. and Akhtar, M. (2010). Status of Smooth Coated Otter (*Lutrogale perspicillata sindica*) in Pakistan. *Pakistan J. Zool.*, **42(6):817-824**.
- Khan, M.A., Butt, S.S., Khan, A.M. and Akhtar, M. (2010). A new collection of *Giraffokeryx punjabiensis* (Giraffidae, Ruminantia, Artiodactyla) from the Lehri outcrops, Jhelum, Northern Pakistan. *Pakistan J. Sc.*, **62:120-123**.
- Khan, A.M., Habib, A., Khan, M.A. and Akhtar, M. (2010). New remains of *Brachypotherium fatehjangense* from Lower Siwalik Hills, Punjab, Pakistan. *J. Anim. Pl. Sci.* **20(2):79-82**.
- Ali, H., Saleem, R., Qamer, F.M., Khan, W.A., Abbas, S., Gunasekara, K., Hazarika, M., Ahmed, M.S., and Akhtar, M. (2010). Habitate evaluation of smooth-coated otter (*Lutrogale perspicillata*) in Indus plains of Pakistan using remote sensing and GIS. *International Archives of the Photogrammetry, Remot Sensing and Spatial Information Science, Kyoto, Japan.* **38(8):127-132**
- Khan, M.A., Kostopoulos, D.S., Akhtar, M. and Nazir, M. (2010). *Bison* remains from the Upper Siwaliks of Pakistan. *N. Jb. Geol. Paläont. Abh.*, **258(1):121-128**
- Samiullah, K. Khan, M.A. and Akhtar, M. (2010). Cheek teeth of *Listriodon pentapotamiae* from the Lower Siwalik Hills of Punjab, Pakistan. *J. Anim. Pl. Sci.* **20(4):271-276**.
- Khan, M.A., Akhtar, M., Roohi, G., Iqbal, M. and Samiullah, K. (2010). *Sivaceros gradiens* Pilgrim 1937 (Mammalia, Bovidae, Boselaphini) from the Lower Siwaliks of Dhok Bun Amir Khatoon, Chakwal, Pakistan: Systematics and Biostratigraphy. *Turkish J. Zool.*, **34:281-286**.
- Khan, M.A., Akhtar, M. and Iqbal, M. 2010. The Late Miocene Artiodactyls in the Dhok Pathan type locality of the Dhok Pathan Formation, The Middle Siwaliks, Pakistan. *Pakistan J. Zool.*, (Supplementary Series, No. 10). **pp.1-87**.
- Ghaffar, A., Khan, M.A. and Akhtar, M. 2010. Early Pliocene cervids (Artiodactyla-Mammalia) from the Siwaliks of Pakistan. *Yerbilimleri*, **31(3):217-231**. Journal of Earth Sciences (Application and Research Centre of Hacettepe University).
- Asma A. L., Akhtar T., Azhar M., Nasir S., Taner, M.K and Rebecca J. T. (2010). Morphological and molecular characterization of *Echinococcus granulosus* in livestock and humans in Punjab, Pakistan. *Vet. Parasitology* **170:44-49**
- Iqbal, Z., Akhtar, T., Baig, S.M., Aziz, Z. Iqbal, M. Ferhan, M. Jameel, A. Mubashar, I.N. Qin W.X. Chen, S-J. Ammara H. T. Tariq, J. G. Dr Abd-Al-Qayyum, Najeeb ur-Rehman, Ijaz H. S. Khalid, M. Abid Sohail Ta. Naeem, M. Khalid. (2010). "T315I and M35IT are the most frequent prior-to-Imatinib BCR-ABL Kinase Domain mutations in chronic phase CML patients and lead to natural Imatinib

resistance” Awarded Scholar-In-Training Award 2010 by American Association for Cancer Research was held on March 7 to 10, 2010 at Dead Sea, Jordan, the 2nd AACR Dead Sea International Conference Advances in Cancer Research: From the Laboratory to the Clinic, Jordan. (Post # A. 55) www.aacr.org/meetingcalender **pp-51**

- Iqbal, Z., Akhtar T., Iqbal, M., Baig, S.M., Ferhan, M., Jameel, A., Naqvi, M.I, Qin, W.X., Tahir A.H., Gill, T.J, Qayyum, A.A., Rehman, N., Shahm I, J., Khalidm, M., Taj, A.S., Abbas, M.N., Aleem, A., Khanm, M. and Khalid, A.M. (2010). Presence of BCR-ABL Mutations in CD34+CD38- Stem Cells of Newly Diagnosed Chronic Phase Untreated CML Patients and Their Correlation with Imatinib Resistance: Implications of Cancer Pharmacogenomics and Pre-Therapeutic Genetic Testing in Personalized Treatment of BCR-ABL+ Leukemia. (Impact Factor=10.555) Paper has been published in the *Blood Journal of American Society of Hematology Blood*, The author of this article has been honored by “ASH Travel Award” from American Society of Hematology (ASH) for presentation of this research at ASH Annual Meeting, Orlando, FL (USA). **116(21):Poster II-158.**
- Naiz, S, Tanveer, A, and Qureshi, A. (2010). Prevalence of Human Schistosomiasis in Punjab, Pakistan. *Journal of Science*, **62(3):160-162**
- Tayybah, S. and Tanveer, A. (2010). Histological alterations in *Cyprinus carpio* kidney due to various sublethal concentrations of Chromium hexavalent. *Int. J. Agric. Biol.*
- Alam, S., Shah, H.U., Magan, N., Qazi, J.I. and Arif, M., (2010). Effects of calcium propionate and water activity on growth and aflatoxins production by *Aspergillus parasiticus*. *Pakistan J. Zool.* **42:57-62.**
- Iqbal, A., Siddiqui, H.L., Ashraf, C.M., Ahmad, N., Qazi, J.I. and Weaver, G.W. (2010). Solvent-Mediated Effects in NMR Spectra of 2-Formyl phenoxyacetic Acid Chromatographic Evidence for internal Cyclisation and Tautomerization. *J. Chem. Soc. Pak.*, **32:91-94**
- Bano, A.S., and Qazi, J.I. (2010). Shielding for Microbiological Influenced Corrosion on Mild Steel by Antagonistic Bacterial Cultural Fluids. *Pakistan J. Zool.* **42(4):489-493.**
- Aslam, S. and Qazi, J.I. (2010). Isolation of Acidophilic Lactic Acid Bacteria Antagonistic to Microbial Contaminants. *Pakistan J. Zool.* **42(5):567-573.**
- Faiz, M and Qazi. J.I. (2010). The t(12;21) is underrepresented in Childhood B-lineage acute lymphoblastic leukaemia in Punjab, Pakistan. *J. Pediatric Hematol./Oncol.*: **32:249-251.**
- Nadeem, M., Qazi, J.I. and Baig, S. (2010). Enhanced production of alkaline protease by a mutant of *Bacillus licheniformis* N-2 for dehairing. *Braz. Arch. Biol. Technol.* **53(5):1015-1025.**
- Ahmed, M. S. Aslam, Y. (2010). Absorption and bioaccumulation of water-borne inorganic mercury (Hg) in the fingerlings of grass carp, *Ctenopharyngodon idella*. *The journal of Animal and Plant Sciences.* **21(1):**

- Ali, H., Saleem, R., Qamer, M.F., Khan, A.W., Abbas, S., Gunasekara, K., Hazarika, M., Ahmed, S. M. & Akhtar, M. (2010). Habitat Evaluation of Smooth-coated Otter (*Lutrogale Perspicillata*) in Indus Plains of Pakistan using Remote Sensing and GIS. *International Archives of the Photogrammetry, Remote sensing and spatial Information Science*, **38(8):127-132**.
- Ahmed, M. S and Bibi, S. (2010). Uptake and bioaccumulation of water-borne lead (Pb) in the fingerlings of a freshwater cyprinid, *Catla catla* L. *The Journal of Animal and Plant Sciences* **20(2):201-207**
- Khan, W.A, Qasim, M., Ahmad, E., Ali, H, Qamar, F.M., Chaudhry, A.A., Bhaagat, H.B., Akhtar, M., Ahmadm M.S, and Abid, M., (2010). Smooth coated otter (*Lutrogale perspicillata sindica*). *Pak. J. Zool.*, **42:(2)**
- Nawaz S.K., Batool R, Arshad M, and Arshad, N. (2010). Alpha Tocopherol may reduce Endosulfan induced toxicity in Mice. *Pakistan J. Zool.* **42(3):205-210**
- Sohail M.I., Mughal, M.S., Arshad, N and Arshad, M. (2010). Incidence of Hepatitis B and C in industrial areas of Sheikhpura and Kasur. *Pakistan J. Zool.*, **42:673-677**
- Butt, A. and Tahir, H.M. (2010). Resource partitioning among five agrobiont spiders of rice ecosystems. *Zoological Studies*, **49(4):470-480**.
- Tahir, H. M. Butt, A. and Alam, I. (2010). Relationship of web characteristics and body size measures of *Leucauge decorate* (Tetragnathidae: Araneae). *Pakistan Journal of Zoology*; **42:261-265**.
- Tahir, H. M. Butt, A., Mustafa, A., Khan, S. Y. and Bilal, M. (2010). Effect of an insecticide, chlorpyrifos on the activity density of wolf spiders (Araneae:Lycosidae) in guava orchard. **42:745-750**.
- Roohi, N. and Nazir, R. (2010). Thyroid and its regulatory hormonal patterns in smokers. *Pakistan Journal of Zoology*, **42(6):759-764**.
- Roohi, N. and Hayee, S. (2010). Hormonal and physical responses in professional bus drivers. *Acta Physiologica Hungarica*, **97(4):408-416**.
- Roohi, N.(2010). Retinol binding protein as a diagnostic and prognostic marker of molecular pathogenesis in type 1 Diabetes mellitus. *Diabetes Obesity and Metabolism (Suppl.)*. **12S1:57-58**
- Malik I.A., Baumgartner B.G., Naz N., **Sheikh N.**, Moriconi F. and Ramadori G. Changes in gene expression of DOR and other thyroid hormone receptors in rat liver during acute-phase response. *Cell and tissue research* **342:261-272**
- Sheikh N., Qureshi A. M., Latif M. U. and Manzoor F. Study of temperature treated woods for the preference and first food choice by *Odontotermes obesus* (isoptera: termitidae) *Sociobiology* **56(2):363-73**
- Malik I.A., Moriconi F., Sheikh N., Naz, N. Khan S., Dudas J., Mansuroglu T. Hess C.F. Fraenk M., Christansen H. and Ramadori G. Single-dose gamma-irradiation induces up-regulation of chemokine-gene expression and recruitment of granulocytes into the portal area but not into other regions of rat hepatic tissue. *American Journal of Pathology*. **176(4):1801-1815**

- Ramadori P., **Sheikh N.**, Ahmad G., Dudas J. and Ramadori G. Hepatic changes of erythropoietin gene expression in a rat model of acute-phase response. *Liver International*. **30(1):55-64**
- Manzoor F., Sheikh N., and Zawar A. (2010). Laboratory and field evaluation for the resistance of commonly used woods against *Coptotermes heimi* (Wasmann). Nature Precedings <http://hdl.handle.net/10101/npre.2010.4485.1>
- Ahmad S., Aslam H., Saeed M.A., Haider A., Anwar A. and Sheikh N. (2009). Utilization of dairy waste for biomass production of single cell protein through submerged fermentation. *Pakistan Journal of Science*. **61(2):60-64**.
- Khan, M.A., Butt, S.S., Khan, A.M. and Akhtar, M. (2010). A new collection of *Giraffokeryx punjabiensis* (Giraffidae, Ruminantia, Artiodactyla) from the Lehri outcrops, Jhelum, Northern Pakistan. *Pakistan J. Sc.*, **62:120-123**.
- Khan, A.M., Habib, A., Khan, M.A. and Akhtar, M. 2010. New remains of *Brachypotherium fatehjangense* from Lower Siwalik Hills, Punjab, Pakistan. *J. Anim. Pl. Sci.* **20(2):79-82**.
- Samiullah, K. Khan, M.A. and Akhtar, M. 2010. Cheek teeth of *Listriodon pentapotamiae* from the Lower Siwalik Hills of Punjab, Pakistan. *J. Anim. Pl. Sci.* **20(4):271-276**.
- Khan, M.A., Akhtar, M., Roohi, G., Iqbal, M. and Samiullah, K. (2010). *Sivaceros gradiens* Pilgrim 1937 (Mammalia, Bovidae, Boselaphini) from the Lower Siwaliks of Dhok Bun Amir Khatoon, Chakwal, Pakistan: Systematics and Biostratigraphy. *Turkish J. Zool.*, **34:281-286**

Centre for Clinical Psychology:

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- Ms. Nazia Bashir prepared and published three workbooks for Special learners.

National Centre of Excellence in Molecular Biology:

- Muhammad, N., Rahman, M., Shahid, A. A., Husnain, T and Riazuddin S. (2010) Risk Assessment and Biosafety Studies of Transgenic Bt Rice (*Oryza sativa* L.), **4(4):9**
- Bakhsh, A., Rao, A. Q., Shahid, A. A., Husnain, T and Riazuddin, S. (2010). CaMV35S is a Developmental Promoter Being Temporal and Spatial in Expression Pattern of Insecticidal Genes (*Cry1Ac* & *Cry2A*) in Cotton. *Australian Journal of Basic and Applied Sciences*, **4(1):37-44**.
- Shahid, A.A., Chaudhry, B., Rehman, M. and Riazuddin, S. (2009). Detection of anti-fungal genes in chickpea (*Cicer arietinum* L.) and their effects on fungal growth. *Emir. J. Food Agric.* **21(2):34-41**.
- Bakhsh, A., Rao, A. Q., Shahid, A. A., Husnain, T and Riazuddin S. (2009). Insect Resistance and Risk Assessment Studies in Advance Lines of Bt Cotton Harboring *Cry1Ac* and *Cry2A* Genes. *American-Eurasian J. Agric. & Environ. Sci.*, **6(1):01-11**.
- Rao, A. Q., Bakhsh, A; Kiani, S., Shahzad, K., Shahid, A. A., Husnain, T and Riazuddin, S. (2009). The myth of plant transformation. *Biotechnology Advances*, **27:753-763**.

- Kaul H, Riazuddin A.S., Zaheerddin A.Q., Nasir, A.I., Zafar, U.A., Khan, A.S., Husnain, T, Akram, J, Hejtmancik, J.F. and Riazuddin, S. (2010). Ectopia lentis in a consanguineous pakistani family and a novel locus on chromosome 8q" (2010) Arch Ophthalmol
- Yasmeen, A., Riazuddin, S.A., Kaul, H, Mohsin, S., Khan, M., Qazi, A.Z., Nasir, A.I., Zafar, U.A., Khan, N.S., Husnain, T., Akram, J., Hejtmancik, F.J. and Riazuddin, S. (2010). "Autosomal recessive congenital cataract in consanguineous Pakistani families is associated with mutations in GALK1." *Mol. Vis.* **16:682-688**
- Rehman, U.A., Robert J., Morell, Inna A. Belyantseva, Shahid Y. Khan, Erich T. Boger, Mohsin Shahzad, Zubair M. Ahmed, Saima Riazuddin, Shaheen N. Khan, Sheikh Riazuddin, and Thomas B. Friedman. (2010) Targeted Capture and Next-Generation Sequencing Identifies *C9orf75*, Encoding Taperin, as the Mutated Gene in Nonsyndromic Deafness DFNB79 *Am. J. Hum. Genet.*
- Ahmed Z.M., Yousaf R., Lee B. C., Shaheen N. Khan , Lee S., Lee K., Husnain T., Rehman A. U., Bonneux S., Ansar M., Ahmad W., Leal S. M., Gladyshev V. N., Belyantseva I. A., Camp G. V., Riazuddin S., Friedman T. B., and Riazuddin S. (2010). Functional Null Mutations of *MSRB3* Encoding Methionine Sulfoxide Reductase Are Associated with Human Deafness DFNB74 *Am. J. Hum. Genet.*
- Khan, S.Y., Riazuddin, S., Shahzad, M., Ahmed, N., Zafar, A.U., Rehman, A.U., Morell, R.J., Griffith, A.J., Ahmed, Z.M., Riazuddin, S., and Friedman, T.B. DFNB79 (2010) Reincarnation of a nonsyndromic deafness locus on chromosome 9q34.3." *Eur. J. Hum. Genet.*
- Bakhsh A, Rao A.Q, A. A, Ahmed, Husnain T and S. Riazuddin. (2010) 35S CaMV a developmental Promoter in being Temporal and spatial expression of *Cry1Ac* and *Cry2A* genes in Cotton. *Australian Journal of Basic and Applied Sciences*, **4(1):37-44**.
- Hussain, S.S., RAO, A.Q., Husnain, T. and Riazuddin, S. (2009) Cotton somatic embryo morphology affects its conversion to plant *BIOLOGIA PLANTARUM* **53(2):307-311**
- Maqbool. A., Abbas.W., Zahoor.M Rao A.Q., Irfan M., Bakhsh A, Husnain T and S. Riazuddin. (2009). *Gossypium arboreum* heat shock gene HSGP6 expression in *Gossypium hirsutum* *Biotech. Prog.* **26(1)**.
- Bakhsh, A., Rao, A.Q, Ahmed, A. A., Husnain T. and Riazuddin, S. (2009) Insect resistance and risk assessment studies in Advance lines of Bt Cotton harboring *Cry1Ac* and *CryIIA* genes. *American-Eurasian J. Agric. & Environ. Sci.* **6(1):01-11**.
- Mohsin, S., Shams, S., Ali, N.G, Khan, M., Awan, J. S., Khan, S.N. and Riazuddin, S.(2010) Enhanced hepatic differentiation of mesenchymal stem cells after pretreatment with injured liver tissue. *Differentiation*, **81:42-48**.
- Khan, M., Mohsin, S., Khan, S.N. and Riazuddin S. (2010) Lin-c-kit+ Bm-derived stem cells repair infarcted heart. *Journal of stem cells and Regenerative medicine*, **6(1):15-25**.

- Khaliq, S., Jahan, S., Ijaz, B., Ahmad, W., Asad, S. and Hassan, S. (2010) Inhibition of HCV 3a genotype by siRNAs targeting envelop genes. *Arch Virol*, DOI: 10.1007/s00705-010-0887-6.
- Ahmad, W., Ijaz, B., Javed, F.T., Jahan, S., Shahid, I., Hassan, S. (2010). HCV genotype distribution and possible transmission risks in Lahore, Pakistan. *World J Gastroenterol*, **14**:4321-4328
- Javed, F.T., Ijaz, B., Ahmad, W., Jahan, S., Khaliq, S. and Hassan S. (2010). Correlation of serum HCV titer, ALP and Bilirubin levels with liver fibrosis stages. *IJAVMS*, **4**:56-62.
- Sumrin, A., Ahmad, W., Ijaz, B., Sarwar, M.T., Gull, S., Kausar, H., Jahan, S., Asad, S., and Riazuddin S. (2010). Purification and medium optimization of alpha amylase from *Bacillus Subtilis* 168. *Afr J Biotech*.
- Sarwar, M.T., Sumrin, A., Kausar, H., Ansar, M., Ashfaq, U.A., Ahmad, W., Ijaz, B., Shahid, I., Hussain, M., Asad, S. and Hassan, S. (2010) Hepatitis C virus isolate PK/FG1 non-structural protein NS2 gene, partial cds NCBI GenBank ACCESSION # HM135516.
- Sarwar, M.T, Sumrin, A., Ansar, M., Hussain, M., Kausar, H., Ahmad, W., Shahid, I., Ijaz, B., Ashfaq, U.A., Asad, S., Gull, S. and Hassan, S. (2010). Hepatitis C virus isolate PK/FG2 non-structural protein NS4a gene, partial cds NCBI GenBank ACCESSION # HM135517
- Sarwar, M.T, Sumrin, A., Ansar, M., Hussain, M., Kausar, H., Ahmad, W., Shahid, I., Ijaz, B, Ashfaq, U.A, Asad, S., Gull, S. and Hassan, S. (2010). Hepatitis C virus isolate PK/FG3 non-structural protein NS4a gene, partial cds. NCBI GenBank ACCESSION # HM135518
- Sarwar, M.T., Sumrin, A., Ansar, M., Hussain, M., Kausar, H., Ahmad, W., Shahid, I., Ijaz, B., Ashfaq, U.A., Asad, S., Gull, S. and Hassan, S. (2010). Hepatitis C virus isolate PK/FG4 non-structural protein NS4b gene, partial cds. NCBI GenBank ACCESSION # HM135519
- Sarwar, M.T., Sumrin, A., Ansar, M., Hussain, M., Kausar, H., Ahmad, W., Shahid I., Ijaz B., Ashfaq, U.A., Asad S., Gull S. and Hassan, S. (2010). Hepatitis C virus isolate PK/FG5 non-structural protein NS5b gene, partial cds. NCBI GenBank ACCESSION # HM135520
- Kausar, H., Gull, S., Ijaz, B., Ahmed, W., Sarwar, M.T., Nawaz, Z., Riazuddin, S., and Hassan, S., (2010) Erythropoietin Expression: Human liver cell as new model system; *Pakistan Journal of Zoology*.
- Jagangir, G.Z., Nasir, I.A., Sial, R.A., Javid, M.A. and Husnain, T. (2010). Various Hormonal Supplementations Activate Sugarcane Regeneration In-Vitro. *Journal of Agricultural Sciences*: **2(4)**:231-237.
- Bushra, T., Nasir, I.A. Farooq, A.M., Rahman, Z. and Husnain, T. (2010). Viability assessment of in-vitro produced synthetic seeds of cucumber. *African Journal of Biotechnology*. **9(28)**:7026-7032.
- Awan, I. A., Haq, I. U., Babar, M. E. and Nasir, I. A. (2010) Molecular Detection of Potato Leaf Roll Polorovirus through Reverse Transcription Polymerase Chain Reaction in Dormant Potato Tubers. *Pakistan Journal of Botany*. **42(5)**:3299-3306

- Ahmad, I., Nasir, I. A., Haider, M. S., Javed M. A., Javed, M. A and Husnain, T. (2010). In Vitro Induction of Mutation in Potato Cultivars. *Pak. J. Phytopathol.* **22(1):51-57.**
- Nasir, I. A., Bushra, T., Haider, M. S. and Javed, M. A. Husnain, T. (2010). Strategies to control Potato Virus Y under in vitro conditions. *Pakistan J. Phytopath.* **22(1):63-70.**
- Nasir, I. A., Jamal, A., Husnain, T. and Riazuddin, S. (2010). Molecular Analyses of in-vitro selected gladiolus lines with increased resistance against Fusarium wilt. *Pak. J. Bot.* **42(4):**
- Nasir, I. A., Jagangir, G. Z., Qamar, Z., and Husnain, T. (2010). Maintaining the regeneration potential of sugarcane callus for longer span. *African Journal of Agricultural Research.* **10(9).**
- Perveen, R., Khan, M. A., Noor-ul-Islam, Haider, S. and Nasir, I. A. (2010). Whitefly population on different cotton varieties in Punjab. *Sarhad J. Agri.* **26(4):**
- Farooq, A. M., Nasir, I. A., Bushra, T., Javed, M. A and Husnain, T. (2010). Androgenesis induction, Callogenesis, Regeneration and Cytogenetic studies of tomato haploid. *Journal of Agri. Research.* **48(2):**
- Qaisar, U., Irfan, M., Maqbool, A., Zahoor, M., Khan, M.Y.K., Rashid, B., Husnain, T., Riazuddin, S. (2010). Mystery of Fructose Bisphosphate Aldolase. *Can. J. Plant Sci.* **90(1):49-60.**
- Kaul, H., Riazuddin, S.A., Qazi, Z.A., Nasir, I.A., Zafar, A.U., Khan, S.N., Husnain, T., Akram, J., Hejtmancik, J.F. and Riazuddin, S. (2010) "Ectopia lentis in a consanguineous pakistani family and a novel locus on chromosome 8q" *Arch Ophthalmol.* **128(8):1046-9.**
- Riazuddin S.A., Iqbal, M, Wang, Y., Masuda, T., Chen, Y., Bowne, S., Sullivan, L.S., Waseem, N.H., Bhattacharya, S., Daiger, S.P., Zhang, K., Khan, S.N. and Riazuddin, S. Hejtmancik, J.F., Sieving, P.A., Zack, D.J., Katsanis, N. (2010) "A splice-site mutation in a retina-specific exon of BBS8 causes nonsyndromic retinitis pigmentosa." *Am. J. Hum Genet.*, **86(5):805-812**
- Haiba Kaul, S. Amer Riazuddin, Mariam Shahid, Samra Kousar, Nadeem H. Butt, Ahmad U. Zafar, Shaheen N. Khan, Tayyab Husnain, Javed Akram, J. Fielding Hejtmancik and Sheikh Riazuddin (2010) "Autosomal recessive congenital cataract linked to EPHA2 in a consanguineous Pakistani family." *Mol. Vis.* **16:511-517**
- Naz, S., Riazuddin, S.A., Li, L., Shahid, M., Kousar, S., Sieving, P.A., Hejtmancik, J.F. and Riazuddin, S. (2010) "A novel locus for autosomal recessive retinitis pigmentosa in a consanguineous Pakistani family maps to chromosome 2p." *Am J Ophthalmol.* **149(5):861-866**
- Kaul, H., Riazuddin, S.A., Yasmeen, A., Mohsin, S., Khan, M., Nasir, I.A., Khan, S.N., Husnain, T., Akram, J., Hejtmancik, J.F. and Riazuddin, S. (2010) "A new locus for autosomal recessive congenital cataract identified in a Pakistani family." *Mol. Vis.* **16:240-245**
- Shahzadi, A., Riazuddin, S.A., Ali, S., Li D, Khan, S.N., Husnain, T., Akram, J., Sieving, P.A., Hejtmancik, J.F. and Riazuddin, S. (2010) "Nonsense mutation of MERTK causes autosomal recessive retinitis pigmentosa in a consanguineous Pakistani family. *Brit. J."Ophthalmol.* **94(8):1094-1099**

- Yasmeen, A., Riazuddin, S.A., Kaul. H., Mohsin, S., Khan, M., Qazi, Z.A., Nasir, I.A., Zafar, A.U., Khan, S.N., Husnain, T., Akram, J., Hejtmancik, and Riazuddin, S. (2010) "Autosomal recessive congenital cataract in consanguineous Pakistani families is associated with mutations in GALK1." *Mol. Vis.* **16:682-688**

Books

- Rashid, B., Husnain, T., Riazuddin, S. (2010) Plant Adaptation and Phytoremediation, Chapter 19 Herbicides and pesticides as potential pollutants – A global problem. Ashraf, M.; Ozturk, M.; Ahmad, M.S.A.(Eds.) **427-447**. Springer Netherlands - Dordrecht, Hardcover ISBN: 978-90-481-9369-1. <http://dx.doi.org/10.1007/978-90-481-9370-7>
- Rashid, B., Husnain, T. and Riazuddin, S. (2010). Gene Pyramiding: An Approach Towards Sustainable Insect Resistance. (Book) by Publishers VDM Verlag Dr. Müller Aktiengesellschaft & Co. Kg Dudweiler Landstr. 99,66123 Saarbrücken, Germany. ISBN 978-3-639-25629-1.

Institute of Biochemistry & Biotechnology:

- Samra, Z.Q., and Athar, M. A. (2009) Biotechnology and Bioprocess Engineering, Novel Synthesis of Mannosamine conjugated Magnetic Nanoparticles for Purification and Stabilization of Human Lysosomal β -Mannosidase, **14:651-661**.
- Samra, Z.Q., Naseem, M., Khan, S.J., Dar, N. and Athar, M. A. (2009) Biomedical and Environmental Science, PCR Targeting of Antibiotic Resistant Bacteria in Public Drinking Water of Lahore Metropolitan, Pakistan, **22:269-277**.
- Samra, Z.Q., Naseem, M., Shabir, S., Rehmat, Z., Zaman, M., Nazir, A., Dar, N. and Athar, M. A. (2009) Synthesis of Cholesterol-Conjugated Magnetic Nanoparticles for Purification of Human Paraoxonase 1, *Appl. Biochem. Biotechnol.* Online accepted DOI 10.1007/s2010-009-8840-4.1 **62:671-686**.
- Saba, N. and Irshad, S. (2009). Molecular Characterization of 45,XO Turner's Syndrome in Short Stature Girls, *Pakistan J. Zool.*, **41(2):117-124**
- Samiullah, T.R., Bakhsh, A., Rao, A.Q., Naz, M., Isolation, M.S. (2009). Purification and characterization of extracellular β -glucosidase from *Bacillus sp.* *Advances in Environmental Biology*, **3(3):269-277**
- Saleem, M., Yasmin, R.T.R. and Imran, M. (2009). Potential of xylanase from *Bacillus sp.* XTR-10 in biobleaching of wood kraft pulp, *International Biodeterioration & Biodegradation*. **63:1119–1124**
- Saghir, S., Faiz, M., Saleem, M., Younis, A. and Aziz, H. (2009). Characterization and anti-microbial susceptibility of gram negative bacteria isolated from bloodstream infections of cancer patients on chemotherapy in Pakistan, *Indian Journal of Medical Microbiology*, **27:341-347**
- Younis, A, Faiz, M., Saleem, M. and Saghir, S (2009). Antimicrobial susceptibility patterns and characterization of clinical isolates of *Staphylococcus aureus* in immunocompromised cancer patients undergoing chemotherapy in Pakistan. *Journal of Chemotherapy*, **21(1):31-35**

- Rajoka, M, I., Awan, M.S., Saleem, M. and Ayub, N. (2009). Solid-state fermentation-supported enhanced production of alpha- galactosidase by a deoxyglucose-resistant mutant of *Aspergillus niger* and themostabilization of the production process. *World Journal of Micribiology and Biotechnology*. **25:171-178**
- Samra, Z.Q., Sana A., Bano S., Farooq M., Dar N., and Athar, M.A, (2010), Immunobiochemical analysis of paraoxonase1 (anti-oxidant), xanthine oxidase (oxidant) enzymes and lipid profile of cardiac disease patients in Lahore metropolitan Pakistan. *Journal of Clinical Laboratory Analysis*. **24:348-356**.
- Afzal, S, Saleem, M., Yasmin, R., Naz, M. and Imran, M. (2010). Pre and post cloning characterization of a β -1,4 endoglucanase from *Bacillus* sp. *Molecular Biology Reports*, **37:1717-1723**
- Khurshid, R., Saleem, M., Akhtar, M.S., Salim, A., and Granzyme, M. (2010) Characterization with sites of post-translational modification and specific sites of interaction with substrates and inhibitors. *Molecular Biology Reports* **35(5:2953-60**
- Samra, Z.Q., Sana, A., Bano, S., Farooq, M., Dar, N., and Athar, M.A. (2010), Immunobiochemical analysis of paraoxonase1 (anti-oxidant), xanthine oxidase (oxidant) enzymes and lipid profile of cardiac disease patients in Lahore metropolitan Pakistan. *Journal of Clinical Laboratory Analysis*. **24:348-356**.
- Samra, Z.Q., Javaid., U., Ghafoor, S., Batool, A., Dar, N. and Athar, M. A. (2010) PCR Assay Targeting Virulence Genes of *Helicobacter pylori* Isolated from drinking water and Clinical samples in Lahore Metropolitan, Pakistan. *J Water and Health*
- Afzal, S., Saleem, M., Yasmin, R., Naz, M. and Imran, M. (2010). Pre and post cloning characterization of a β -1,4 endoglucanase from *Bacillus* sp. *Molecular Biology Reports*, **37:1717-1723**.
- Khan, M.A., Sadaf, S., Sajjad, M. and Akhtar, M.W (2009) Production enhancement and refolding of caprine growth hormone expressed in *Escherichia coli*. *Protein Expression and Purification*, **68:85-89**.
- Shahid, A., Athar, M.A., Asghar S., Zubariri T., Murad S. and Younas N. (2009). Post Mastectomy Adjuvant radiotherapy in breast cancer: A comparison of three Hypofractionated protocols. *J. Pak. Med. Assoc.* **59:282-287**.
- Memon J.M., M. Athar A. and Akhund A.A. (2009), Clinical Pattern of Urinary stone disease in our setting. *ANNALS of KEMU*, **15:17-20**.
- Samra, Z.Q., N. Mariam, Khan, S.J., Dar N. and Athar, M.A, (2009), PCR targeting of antibiotic resistant bacteria in public drinking water of Lahore metropolitan. *Biochemical & Environmental Sciences* **22:458-463**.

- Rehman, F., Aslam, M., Tariq, M.I., Shaheen, A., Sami, A.J., Naveed, N.H. and Iram, A. (2009). Batool. Isolation of cellulolytic activities from *Tribolium castaneum* (Red flour beetle) *African Journal of Biotechnology* **8(23):6710-6715**
- Khokhar, Z., Syed, Q.A., Baig, S., Nadeem, M., Irfan, M. and Athar, M.A. (2010) Study on Filtrate obtained from Batch-Wise Pretreatment of Wheat Straw at Different Concentrations of H₂ SO₄ and Autoclave Time. *World Applied Sciences Journal* **10(9):1047-1055**

Institute of Plant Pathology:

- Mukhtar, I. and Bajwa, R. (2010). Incidence of Shisham (*Dalbergia sissoo* Roxb.) dieback in various agro-ecological zones of Pakistan. *The International Forestry Review*, **12(5):402**.
- Bajwa, R., Mukhtar, I. and Mushtaq, S. (2010). First report of *Alternaria alternata* disease on *Aloe vera* in Pakistan. *Canadian Journal of Plant Pathology*, **32(4):490-492**
- Javaid, A., Bajwa, R. and Javaid, A. (2010). Biosorption of heavy metals using a dead macro fungus *Schizophyllum commune* Fries: evaluation of equilibrium and kinetic models. *Pakistan Journal of Botany*, **42(3):2105-2118**.

Books

- Bajwa, R. (2009). Importance of Seed and its Structure. A chapter contributed to the text book "Introductory Seed Pathology".
- Bajwa, R. (2009). Allelopathy Mycorrhizal Plant Bioassays (Chapter 7). A chapter contributed to the book "Methods in Plant Bioassays". Stadium Press, LLS, USA.
- Bajwa, R. (2009). Invasive Weeds of Pakistan. A chapter contributed to the book "Handbook of Plant Biology".

Research Papers

- Ravan S, Manzoor F. and Nasim G. (2009). Pistachio tree-a new host for two species of termites (Isoptera, Arthropoda) from Iran. *Pak Journal of Botany*. **41(5):2583-2594**
- Nasim, G. (2010). Decaying leaf sheaths of wheat-An unusual niche for *Glomus monosporum* *Pakistan Journal of Botany*, **42(2):1313-1316**
- Nasim, G. (2010). The role of arbuscular mycorrhizae in inducing resistance to water and nutrient stress in crops. In: "Plant Adaptations and Phytoremediation", Editors: M. Ashraf, M. Ozturk and M. S. A. Ahmad. Published by Springer Verlag, Germany. **119-142**.
- Nasim, G. Ali, M. and Mehmood N. (2010). Molecular analysis of *Ganoderma lucidum* isolates from Lahore. *Pakistan Journal of Botany*, **42(5):3307-3315**
- Nasim G. (2010). Arbuscular mycorrhizal fungi associated with tissue culture raised potato. *Pakistan Journal of Botany*, **42(6):4215-4227**.
- Ali A. Bajwa R. Nasim G. Mehmood N. Jabeen R. (2010). Screening of various *Trichoderma* isolates collected from Pakistan with their subsequent genetic homology by RAPD analysis. *International Journal of Biotechnology*, **7(4):383-391**.

Articles in magazines:

- Nasim, G. (2009). Mountain biodiversity and Swat war, *Myconews*, **7(1)**:
- Nasim, G. (2009). Mountain Agriculture, *Myconews*, **7(2)**:
- Nasim, G. (2009). Using water wisely, *Myconews*, **7(3)**:

Books

- Nasim, G. (2009). *Kuch arziati aur mahwliati msail-aik sainsi nuqta-e-nazar* (Publishers, Environmental Protection Department, Government of the Punjab, Lahore in RT, Printers, Royal Park, Lahore, Pakistan) **pp 250**.
- Nasim, G. (2010). "Identification Guide and Colour Atlas for flora of Punjab University, Quaid-e-Azam Campus". (Publishers, University of the Punjab an RT, Printers, Royal Park, Lahore, Pakistan) **pp239**.
- Nasim, G. (2010). A monograph on "Glomalean Spore Flora of Pakistan". Published by Higher Education Commission of Pakistan (HEC) **pp365**.
- Riaz T, Khan, S.N. and Javaid, A. (2010). Screening of *Gladiolus* germplasm for agronomic performance and resistance against corm rot disease. *African Journal of Biotechnology*, **9(40):6701-6707**.
- Riaz, T., Khan, S.N., Javaid, A. (2010). Management of corm-rot disease of gladiolus by plant extracts. *Nat Prod Res.*, **24(12):1131-1138**.
- Riaz, T., Khan, S.N., Javaid, A. (2009). Effect of co-cultivation and crop rotation on corm rot disease of *Gladiolus*. *Scientia Horticulturae*, **121:218-222**.
- Riaz, T., Khan, S.N., Javaid, A. (2010). Management of *Fusarium* corm rot of gladiolus *grandiflorus* sect. *Blandus* cv. *Aarti*) by using leaves of allelopathic plants. *African Journal of Biotechnology*, **9(30): 4681-4686**.
- Shah, M.H., Khan, S.N., Tahira, J.J., Suliman, R. and Anwar, W. (2010). Impact of Pathogenic fungi and Bacteria on Feunogreek (*Trigonella foenumgraecum* L.) Plant stand quality under natural conditions. *Pakistan Journal of Phytopathology*, **22(2):130-134**.
- Shah, M.H., Mukhtar, I. and Khan, S.N. (2010). Review article: Medicinal importance and association of pathological constraints with *Dilbergia sissoo*. *Pakistan Journal of Phytopathology*, **22(2):135-138**.
- Tahira, J.J., Khan, S.N., Suliman, R. and Anwar, W. (2010) Weed flora of *curcuma longa* fields of district Kasur, Pakistan. *Pak. J. Weed Sci. Res.*, **16(2):241-246**.
- Anjum, T. and Bajwa, R. (2010). Competition losses caused by *Rumex dentatus* and *Chenopodium album* in wheat. *The Philippine agricultural scientist*, **93(3):365-368**. (IF: 0.145).
- Anjum, T. and Bajwa, R. (2010). Isolation of bioactive allelochemicals from sunflower variety (Suncross-42) thorough fractionation guided bioassays. *Natural product research*, **24(18):1783-1788**.

- Jabeen, R., Khan, M.S., Zafar, Y. and Anjum, T. (2010). Codon optimization of cry1Ab gene for hyper expression in plant organelles. *Molecular biology reports*, **37(2):1011-1017** (IF: 2.038)
- Anjum, T. and Bajwa, R. (2010). Sunflower allelochemicals adversely affect Wheat yield. *Natural product research*, **24(9):825 – 837**.

Research Papers

- Jabeen, K., Javaid, A. (2010). Antifungal activity of *Syzygium cumini* against *Ascochyta rabiei*, the cause of chickpea blight. *Natural Product Research* **24(12):1158–1167**.
- Riaz, T., Khan, S.N., Javaid, A. (2010). Management of corm-rot disease of gladiolus by plant extracts. *Natural Product Research* **24(12):1131–1138**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal effects of extracts and residue incorporation of *Datura metel* against parthenium weed. *Natural Product Research* **24(15):1426-1437**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal activity of *Withania somnifera* against *Phalaris minor*. *Natural Product Research* **24(15):1457-1468**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Seasonal pattern of dormancy in seeds of *Parthenium hysterophorus* L. *Pakistan Journal of Botany* **42(1):497-503**.
- Javaid, A., Mahmood, N. (2010). Growth, nodulation and yield response of soybean to biofertilizers. *Pakistan Journal of Botany* **42(2):863-871**.
- Javaid, A., Bajwa, R., Javaid, A. (2010). Biosorption of heavy metals using dead biomass of a macro fungus *Schizophyllum commune*: Evaluation of equilibrium and kinetic models. *Pakistan Journal of Botany* **42(3): 2105-2118**.
- Siddiqui, I., Bajwa, R., Huma, Z., Javaid, A. (2010). Effect of six problematic weeds on growth and yield of wheat. *Pakistan Journal of Botany* **42(4): 2461-2471**
- Javaid, A., Shafique, S., Bajwa, R., Shafique, S. (2010). Parthenium management through aqueous extracts of *Alstonia scholaris*. *Pakistan Journal of Botany* **42(5):3651-3657**.
- Javaid, A. (2010). Herbicidal potential of allelopathic plants and fungi against *Parthenium hysterophorus* – a review. *Allelopathy Journal* **25(2):331-344**.
- Riaz, T., Khan, S.N., Javaid, A. (2010). Management of *Fusarium* corm rot of gladiolus (*Gladiolus grandiflorus* sect. Blandus cv. Aarti) by using leaves of allelopathic plants. *African Journal of Biotechnology* **8(30):4681-4686**.
- Siddiqui, I., Bajwa, R., Javaid, A. (2010). Field evaluation of *Alternaria alternata* as mycoherbicide for the management of *Rumex dentatus*. *Philippine Agricultural Scientist*. **93(1):116-120**.
- Khan, S.N., Riaz, T., Javaid, A. (2010). Preceding crops affect the growth and mycorrhizal colonization of *Gladiolus* under biotic stress of *Fusarium oxysporum*. *Philippine Agricultural Scientist* **93(2):135-141**

- Javaid, A., Shah, M.B.M. (2010). Growth and yield response of wheat to EM (Effective microorganisms) and parthenium green manure. *African Journal of Biotechnology* **9(23):3378-3381**.
- Sattar, S., Hussain, T., Javaid, A. (2010). Effect of NaCl salinity on cotton (*Gossypium arboreum* L.) grown on ms medium and in hydroponic cultures. *Journal of Animal and Plant Sciences* **20(2):87-89**.
- Riaz, T., Javaid, A. (2010). Prevalence of invasive parthenium weed in district Hafizabad, Pakistan. *Journal of Animal and Plant Sciences* **20(2):90-93**.
- Riaz, T., Javaid, A. (2010). Fungi associated with paper processing materials. *Pakistan Journal of Phytopathology* **22(1):6-8**.
- Javaid, A., Shafique, G. (2010). Mycoflora associated with stored seeds of different varieties of shisham (*Dalbergia sissoo roxb.*). *Pakistan Journal of Phytopathology*. **22(1):9-12**.
- Akbar M, Javaid A (2010). Management of some problematic weeds of wheat by metabolites of *Drechslera* spp. prepared in malt extract. *Pakistan Journal of Weed Science Research* **16(2):145-151**.
- Shabbir, A., Javaid, A. (2010). Phytosociological survey and allelopathic effects of parthenium weed in comparison to other weeds in Pakistan. *Indian Journal of Agriculture Research* **44(2):119-124**.

Book Chapters

- Javaid, A. (2010). Chapter 12: Beneficial Microorganisms for Sustainable Agricultural. In: Genetic Engineering, Biofertilisation, Soil Quality and Organic Farming, Sustainable Agriculture Reviews – 4. Lichtfouse E. (ed.). Springer Publishers. DOI 10.1007/978-90-481-8741-6_12. **pp.347-369**.
- Javaid, A. (2010). Chapter 17. Role of Arbuscular Mycorrhizal Fungi in Nitrogen Fixation in Legumes. In: Microbes for Legumes Development. M.S. Khan et al. (Eds.), DOI 10.1007/978-3-211-99753-6_17, Springer-Verlag/Wein 2010.

International Published

- Javaid, A. and Bajwa, R. (2010). Biosorption of heavy metals using a Dead Macro Fungus: Evaluation of Equilibrium and Kinetic Models. *Pakistan Journal of Botany*. **42(3):2105-2118**.
- Javaid, A., Shafique, G. and Bashir, U. (2010). Mycoflora associated with stored seeds of different varieties of shisham (*Dalbergia sissoo ROXB.*). *Pakistan Journal of Phytopathology*. **22(1):09-12**.

Dr. Shazia Shafique, Assistant Professor

- Shafique, S., Bajwa, R., Shafique, S. (2010). Mutagenesis and genetic characterization of amylolytic *Aspergillus niger*. *Natural Product Research*, **24(12):1104-1114**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal effects of extracts and residue incorporation of *Datura metel* against parthenium weed. *Natural Product Research*, **24(15):1426-1437**.
- Shafique, S., Bajwa, R., Shafique, S. (2010). Alpha-amylase Production by toxigenic fungi. *Natural Product Research*, **24(15):1449-1456**.

- Shafique, S., Bajwa, R., Shafique, S. (2010). Molecular characterization of UV and chemical induced mutants of *Trichoderma reesei* FCBP-364. *Natural Product Research*, **24(15):1438-1448**.
- Shafique, S., Bajwa, R., Shafique, S. (2010). Condition Stabilization for *Aspergillus niger* FCBP-198 and its hyperactive mutants to yield high titres of α -amylase. *Microbiology*, **79(3):301-306**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Seasonal pattern of dormancy in seeds of *Parthenium hysterophorus* L. *Pakistan Journal of Botany*, **42(1):497-503**.
- Javaid, A., Shafique, S., Bajwa, R., Shafique, S. (2010). Parthenium management through aqueous extracts of *Alstonia scholaris*. *Pakistan Journal of Botany*, **42(5):3651-3657**
- Javaid, A., Shafique, S., Kanwal, Q., Shafique, S. (2010). Herbicidal activity of flavonoids of mango leaves against *Parthenium hysterophorus* L. *Natural Product Research*, **24(19,20):1865-1875**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal activity of *Withania somnifera* against *Phalaris minor*. *Natural Product Research*, **24(15):1457-1468**

Papers published in national and HEC recognized journals:

- Javaid, A., Shafique, S., Shafique, S. (2009). Herbicidal activity of *Withania somnifera* and *Datura alba* against *Rumex dentatus*. *Journal of Agricultural Research*, **47(1):37-45**.
- Javaid, A., Shafique, S., Shafique, S. (2009). Invasion of noxious alien weed *Parthenium hysterophorus* L. in grazing lands of Lahore, Pakistan. *The Journal of Animal and Plant Sciences*, **19 (3):159-153**.
- Shafique, S., Shafique, S., Bajwa, R. (2009). Cellulolytic potential of *Penicillium citrinum* FCBP Bajwa and -181 using different carbon sources. *Pakistan Journal of Phytopathology*, **21(2):135-138**.

Papers published in international journals with impact factor:

- Shafique, S., Bajwa, R., Shafique, S. (2010). Mutagenesis and genetic characterization of amylolytic *Aspergillus niger*. *Natural Product Research*, **24(12):1104-1114**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal effects of extracts and residue incorporation of *Datura metel* against parthenium weed. *Natural Product Research*, **24(15):1426-1437**.
- Shafique, S., Bajwa, R., Shafique, S. (2010). Alpha-amylase Production by toxigenic fungi. *Natural Product Research*, **24(15):1449-1456**
- Shafique, S., Bajwa, R., Shafique, S. (2010). Molecular characterization of UV and chemical induced mutants of *Trichoderma reesei* FCBP-364. *Natural Product Research*, **24(15):1438-1448**.
- Shafique, S., Bajwa, R., Shafique, S. (2010). Condition Stabilization for *Aspergillus niger* FCBP-198 and its hyperactive mutants to yield high titres of α -amylase. *Microbiology*, **79(3):301-306**.
- Javaid, A., Shafique, S., Shafique, S. (2010). Seasonal pattern of dormancy in seeds of *Parthenium hysterophorus* L. *Pakistan Journal of Botany*, **42(1):497-503**.
- Javaid, A., Shafique, S., Bajwa, R., Shafique, S. (2010). Parthenium management through aqueous extracts of *Alstonia scholaris*. *Pakistan Journal of Botany*, **42(5):3651-3657**.

- Javaid, A., Shafique, S., Kanwal, Q., Shafique, S. (2010). Herbicidal activity of flavonoids of mango leaves against *Parthenium hysterophorus* L. *Natural Product Research*, **24(19,20):1865–1875**
- Javaid, A., Shafique, S., Shafique, S. (2010). Herbicidal activity of *Withania somnifera* against *Phalaris minor*. *Natural Product Research*, **24(15):1457-1468**.

Papers published in national and HEC recognized journals:

- Javaid, A., Shafique, S., Shafique, S. (2009). Herbicidal activity of *Withania somnifera* and *Datura alba* against *Rumex dentatus*. *Journal of Agricultural Research*, **47(1):37-45**.
- Javaid, A., Shafique, S., Shafique, S. (2009). Invasion of noxious alien weed *Parthenium hysterophorus* L. in grazing lands of Lahore, Pakistan. *The Journal of Animal and Plant Sciences*, **19(3):159-153**.
- Shafique, S., Shafique, S., Bajwa, R. (2009). Cellulolytic potential of *Penicillium citrinum* FCBP Bajwa and -181 using different carbon sources. *Pakistan Journal of Phytopathology*, **21(2):135-138**.

Publications of the Institute

- Bajwa, R. *Mycopath*. Biannual Journal
- Bajwa, R. *Quarterly Newsletter*.
- Bajwa, R. *Research Bulletin*

School of Biological Sciences:

- Gardner, Q.A.A., Younasa, H., Rashida, N., Wright, J.N., Akhtar, M., (2009)b. Inventory of 'slow exchanging' hydrogen atoms in human proinsulin and its derivatives: Observations on the mass spectrometric analysis of deuterio-proteins in D₂O. *Biochimica Biophysica Acta* 1794 **1224-1233**.
- Bashir, Q., Rashid, N., Jamil, F., Imanaka, T. and Akhtar, M., (2009). Highly Thermostable L-Threonine Dehydrogenase from the Hyperthermophilic Archaeon *Thermococcus kodakaraensis*. *Journal of Biochemistry* **146(1):95-102**.
- Bowyer, A., Mikolajek, H., Stuart, J.W., Wood, S.P., Jamil, F., Rashid, N., Akhtar, M., Cooper, J.B. (2009). Structure and Function of the L-threonine Dehydrogenase (Tk TDH) from the hyperthermophilic archaeon *Thermococcus kodakaraensis* *Journal of structural Biology* **168: 294-304**
- Jalal, A., Rashid, N., Rasool, N. and Akhtar, M. (2009). Gene cloning and characterization of a xylanase from a newly isolated *Bacillus subtilis* strain R5. *J. Biosci. Biosci. Bioeng.* **107:360-365**
- Jamil, F., Gardner, Q.A.A., Bashir, Q., Rashid, N. and Akhtar, M. (2010) Mechanistic and stereochemical studies of Glycine oxidase from *Bacillus subtilis* strain R5. *Biochemistry* **49:7377-7383**
- Rasood, N., Rashid, N., Iftikhar, S. and Akhtar, M. (2010). N-terminal deletion of Tk1689, a subtilisin-like serine protease from *Thermococcus kodakaraensis*, copes with its cytotoxicity in *Escherichia coli*. *J. Biosci. Bioeng.* **110:381-385**

- Younas, H., Gardner, Q.A.A., Rashid, N., Wright, J.N. and Akhtar, M. (2010). Conformational transmission in proinsulin and its derivatives: A study using H/D exchange. *Int. J. of Mass Spectrom.* doi: 10.1016/j.ijms. 2010.07.020
- Mehnaz, S., Weselowski, B., Aftab, F. Zahid, S., Lazarovits, G, Iqbal, J. 2009. Isolation, characterization and effect of fluorescent pseudomonads on micropropagated sugarcane. *Can. J. Microbiol.* **55:1007-1011.**
- Ali, S, Iqbal, J. and Khan, M.S. (2010). Genotype independent *in vitro* regeneration system in elite varieties of sugarcane. *Pak. J. Bot.*, **42(6):3783-3790.**
- Afrasiab, H. and Iqbal, J. (2010). *In vitro* techniques and mutagenesis for the genetic improvement of potato cvs. Desiree and Diamant. *Pak. J. Bot.* **42(3):1629-1637.**
- Aslam, A. and Iqbal, J. (2010). Combined effect of cytokinin and sucrose on *in vitro* tuberization parameters of two cultivars i.e. Diamant and Red Norland of Potato (*Solanum tuberosum*). *Pak. J. Bot.* **42(2):1093-1102.**
- Ali, R., Iqbal, J., Robab, E.U., Mahmood Tariq, (2009). Effect of dicyandiamide on microbial activity in the rhizosphere and bulk soils under cotton. *Pak. J. Bot.* **41(3):1401-1409.**
- Shah, A.H., Rashid, N., Haider, M.S., Saleem, F., Tahir, M. and Iqbal, J. 2009. An efficient, short and cost-effective regeneration system for transformation studies of sugarcane (*Saccharum officinarum*). *Pak. J. Bot.* **41(2):609-614.**
- Rashid, M.U., Tores, D., Rasheed, F., Sultan, F., Shakoori, A.R., Amin, A., Schlaefer, K. and Hamann, U.(2009). No association of miscarriage and BRCA carrier status in Pakistani breast/ovarian cancer patients with a history of parental consanguinity. *Breast Cancer Res Treat.* DOI 10.1007/s10549-008-0095-1. **116(1):211-213.**
- Kaleem, A., Ahmad, I., Hoessli, D.H., Walker-Nasir, Salim, M., Shakoori, A.R. and Nasiruddin, (2009). Epidermal growth factor receptors: function modulation by phosphorylation and glycosylation interplay. *Mol. Biol. Rep.*, DOI 10.1007/s11033-008-9223-6. *Mol. Biol. Rep.*, **36:631- 639**
- Yousafzai, A.M., Khan, A.R. and Shakoori, A.R. (2009). Trace metal accumulation in the liver of an endangered South Asian freshwater fish dwelling in sub-lethal pollution. *Pakistan J. Zool.*, **41:35-41.**
- Elahi, S., Kaleem. A., Ahmad, I., Haq, I.U., Shakoori, A.R., and Nasiruddin, (2009). Functional regulation of glutamate receptor GluR1: Long term potentiation and depression of GluR1 by post translational modifications. *Pakistan J. Zool.*, **41:71-78.**
- Durrani, A.Z. and Shakoori, A.R. (2009). Study on ecological growth conditions of cattle *Hyalomma* ticks in Punjab, Pakistan. *Iranian J. Parasitol.*, **4:24-30.**
- Muneer, B., Rehman, A., Shakoori, F.R. and Shakoori, A.R, (2009). Evaluation of consortia of microorganisms for efficient removal of hexavalent chromium from industrial wastewater. *Bull. Environ. Contam. Toxicol.*, DOI.1007/s00128-009-9662-3. *Bull. Environ. Contam. Toxicol.*, **82(5):597- 600.**

- Rehman, A., Shakoori, F.R. and Shakoori, A.R., 2009. Heavy metal uptake by *Euplotes mutabilis* and its possible use in bioremediation of industrial wastewater. *Bull. Environ. Contam. Toxicol.*, DOI.10.1007/s00128-009-9725-5. *Bull. Environ. Contam. Toxicol.*, **82(1):130-135**.
- Ahmad, I., Mehmood, A., Khurshid, A., Qazi, W.M., Hoessli, D.C., Walker-Nasir, E., Shakoori, A.R. and nasiruddin, (2009). Phosphoproteome sequence analysis and significance: mining association patterns around phosphorylation sites utilizing MAPRes. *J. cell. Biochem.*, DOI 10.1002/jcb.22220. **108:64-74**
- Rehman, A., Bukhari, D.A.A., Shakoori, F.A. and Shakoori, A.R., (2009). Heavy metal induced total proteins profile of ciliates isolated from industrial wastewater. *Pakistan J. Zool.*, **41:245-252**.
- Qamer, S., Muzaffar, N., Ali, S.S., and Shakoori, A.R. (2009). Effect of storage on various honey quality parameters of unifloral sidder honey from Pakistan. *Pakistan J. Zool.*, **41:313-316**.
- Ahmed, B., Shakoori, F.R., Ali, S.S. and Shakoori, A.R., 2009. Antimicrobial resistance pattern and plasmid analysis of *Escherichia coli* from patients suffering from acute diarrhea in Azad Kashmir, Pakistan. *Pakistan J. Zool.*, **41:371-380**.
- Durrani, A.Z., Maqbool, A., Mahmood, N., Kamal, K. and Shakoori, A.R. (2009). Chemotherapeutic trials with *Calotropis procera* against experimental infection with *Theileria annulata* in cross bred cattle in Pakistan. *Pakistan J. Zool.*, **41:389-398**.
- Nasir-ud-din, Kaleem, A., Ahmad, I., Walker-Nasir, E., Hoessli, D.C. and Shakoori, A.R. (2009). Effect on the Ras/Raf signaling pathway of post translational modifications of neurofibromin: *In silico* study of protein modification responsible for regulatory pathways. *J. cell. Biochem.*, DOI 10.1002/jcb.22301. **108:816-824**
- Saleem, M.A., Ashfaq, M., and Shakoori, A.R. (2009). *In vivo* effect of spinosad on proteases of insecticide-resistant and susceptible strasins of *Musca domestica*. *Pakistan J. Zool.*, **41: 455-462**.
- Ahmed, B., sShakoori, F.R., Ali, S.S. and shakoori, A.R. (2009). Antimicrobial tresistance and plasmid profile analysis of clinically isolated *Shigella dysenteriae* in Azad Kashmir, Pakistan. *Pakistan J. Zool.*, **41:495-503**.
- Shuja, R.N. and Shakoori, A.R. (2009). Identification and cloning of first cadmium metallothionein like gene from locally isolated ciliate, *Paramecium* sp. *Mol. Biol. Rep.*, DOI 10.1007/s 1103-008-9213-8. *Mol. Biol. Rep.*, **36(3):549-560**
- Bukhari, D.A.A. and Shakoori, A.R. (2009). Cloning and expression of *Bacillus thuringiensis* cry11 crystal protein gene in *Escherichia coli*. *Mol. Biol. Rep.*, DOI 10.1007/s11033-008-9366-5, *Mol. Biol. Rep.*, **36(7):1661-1670**.
- Durrani, A.Z., Mahmood, N. and Shakoori, A.R., (2009). Prevalence of post parturient haemogloniuria in buffalo and therapeutic trials with tolfimfos sodium and tea leaves. *Pakistan J. Zool. Suppl. Ser.*, **9:829-834**.

- Bukhari, D.A.A. and Shakoori, A.R. (2010). Isolation and molecular characterization of *cry4* harbouring *Bacillus thuringiensis* isolates from Pakistan and mosquitocidal activity of their spores and total proteins. *Pakistan J. Zool.*, **42:1-15**.
- Saleem, F. and Shakoori, A.R. (2010). Characterization of *cry2A*-type gene(s) from Pakistani isolates of *Bacillus thuringiensis* toxic to lepidopteran and dipteran insects. *Pakistan J. Zool.*, **42:181-193**.
- Durrani, A.Z., Kamal, N., Mehmood, N. and Shakoori, A.R. (2010). Prevalence of pestes des petits ruminants (KATA) in sheep and goats of Punjab. *Pakistan J. Zool.*, **42:205-210**.
- Rehman, A., Shakoori, F.R. and Shakoori, A.R. (2010). Multiple heavy metal tolerant ciliates, *Oxytricha fallax* and *Paramecium caudatum*, isolated from industrial effluents and their potential use in wastewater treatment. *Pakistan J. Zool.*, **42:301-309**.
- Shakoori, F.R., Aziz, I., Rehman, A., and Shakoori, A.R. (2010). Isolation and characterization of arsenic reducing bacteria from industrial effluents and their potential use in bioremediation of wastewater. *Pakistan J. Zool.*, **42:331-338**.
- Durrani, A.Z., Kamal, N., Shakoori, A.R. and Younus, R.M. (2010). Prevalence of post parturient haemoglobinuria in buffalo and therapeutic trials with toldimfos sodium and tea leaves in Pakistan. *Turkish J. Vet. Anim. Sci.*, **34:45-51**.
- Ali, S.A., Zaidi, S.K., Dobson, J.R., Shakoori, A.R., Lian, J.B., Stein, J.I., Van Wijnen, A.J., and Stein, G.S. (2010). Transcriptional corepressor TLE1 functions with Runx2 in epigenetic repression of ribosomal RNA genes. *Proc. Natl. Acad. Sci. USA*, **107(9):4165-4169**.
- Nasir-ud-din, Ahmad, I., Elahi, S., Hoessli, D.C. and Shakoori, A.R. (2010). The function of GluR1 and GluR2 in cerebellar and hippocampal; LTP and LTD is regulated by interplay of phosphorylation and O-GlcNAc modification. *J. cell. Biochem.* **109(3):585-597**.
- Aslam, A., Chaudhary, Z.I., Rehman, H., Ashraf, K., Ahmad, N., Yaqub, T., Maqbool, A. and Shakoori, A.R. (2010). Comparative evaluation of parasitological, serological and DNA amplification methods for diagnosis of natural trypanosomal infection in equines. *Pakistan J. Zool.*, **42:371-376**.
- Durrani, A.Z., Mehmood, N. and Shakoori, A.R. (2010). Comparison of three diagnostic methods for *Theileria annulata* in Sahiwal and Friesian cattle in Pakistan. *Pakistan J. Zool.*, **42:467-472**.
- Shakoori, F.R., Waheed, S., Bukhari, D.A.A. and Shakoori, A.R. (2010). Spectrum of antibiotic resistance in *cry4* positive local isolates of *Bacillus thuringiensis*. *Pakistan J. Zool.*, **42:481-488**.
- Nadeem, M.S., Rauf, A., Mustafa, M. Iqbal, M. and Shakoori, A.R., (2010). Selective precipitation based economical methods for purification of human serum albumin from the out-dated blood bank samplers. *Pakistan J. Zool.*, **42:498-501**.
- Ahmed, B., Shakoori, F.R., Ali, S.S. and Shakoori, A.R. (2010). Characterization of multiple antimicrobial resistant *Shigella sonnei* isolated from diarrhoeal patients in Azad Kashmir, Pakistan. *Pakistan J. Zool.* **42:587-596**.

- Saleem, M.A., Wilkins, R.M. and Shakoory, A.R. (2010). *In vivo* effects of lambda-cyhalothrin on proteases of various body compartments of *Periplaneta americana* (Forsk). *Pakistan J. Zool.*, **42:603-610**.
- Saleem, M.A., Wilkins, R.M. and Shakoory, A.R. (2010). Comparative effects of cyfluthrin on intracellular proteases activities in insecticide-resistant and susceptible strains of *Musca domestica* L. *Pakistan J. Zool.*, 42: 623-630.
- Rehman, A., Shakoory, F.A. and Shakoory, A.R. (2010). Resistance and uptake of heavy metals by *Vorticella microstoma* and its potential use in industrial wastewater treatment. *Environ. Progr. Sustain. Energy*,
- Chaudhry, R. and Shakoory, A.R. (2010). Isolation and characterization of a novel copper-inducible metallothionein gene of a ciliate, *Tetrahymena tropicalis lahorensis*. *J. cell. Biochem.*, **110:630-644**.
- Rauf, A., Nadeem, M.S., Ali, A., Iqbal, M., Mustafa, M., Lastif, M.M., Latif, M.M., Ahmed, N. and Shakoory, A.R. (2010). Prevalence of hepatitis B and C in internally displaced persons of war against terrorism in Swat, Pakistan. *European J. Publ. Hlth.*, doi:10.1093/eurpub/ckq084
- Shakoory, F.R., Rabassum, S., Rehman, A. and shakoory, A.R. (2010). Isolation and characterization of Cr6+ reducing bacteria and their potential use in bioremediation of chromium containing wastewater. *Pakistan J. Zool.*, **42:651-658**.
- Anwar, K. and Shakoory, A.R. (2010). Cypermethrin toxicity in the liver of developing chick embryo. *Pakistan J. Zool.*, **42:725-734**.
- Nasir-ud-din, Kaleem, A., Iqbal, Z. and Shakoory, A.R. (2010). The *in silico* interplay between post-translational modification in histone H4 and its role in mouse spermatogenesis. *Pakistan J. Zool.*, **42: 787-794**.
- Yousafzai, A.M. Khan, A.R. and Shakoory, A.R. (2010). Pollution of large, subtropical rivers - River Kabul Khyberpukhtunkhwa, Province, Pakistan: Physico-chemical indicators. *Pakistan J. Zool.*, **42: 795-808**.
- Baig, D.N., Bukhari, D.A.A. and Shakoory, A.R. (2010). Cry genes profiling and the toxicity of isolates of *Bacillus thuringiensis* from soil samples against American bollworm, *Helicoverpa armigera*. *J. Appl. Microbiol.*, doi:10.11114.1365-2672.2010.04826.x.
- Sami, A.J., Tabassum, F. and Shakoory, A.R. (2010). Biodegradation of cellulose and xylan by a paddy pest *Oxya chinensis*. *Annls. Biol. Res.*, Available online at www.scholarsresearchlibrary.com
- Rehman, A., Shakoory, F.R. and Shakoory, A.R. (2010). Resistance and uptake of heavy metals by *Vorticella microstoma* and its potential use in industrial wastewater treatment. *Environ. Progr., Sustain. Energy*, **29(4):481-486**. DOI 10.1002/ep
- Akhtar, K., Khalid, A. M., Akhtar, M. W. and Ghauri, M. A. (2009) Removal and recovery of uranium from aqueous solutions by Ca-alginate immobilized *Trichoderma harzianum*. *Bioresource Technology*, **100:4551-4558**.

- Rabbani, N., Shahzad Alam, S., Riaz, S., Larkin, J.R., Akhtar, M.W., Shafi, T. and Thornalley, P.J. Response to comment on Rabbani et al. (2009) High dose thiamine therapy for patients with type 2 diabetes and microalbuminuria: a pilot randomised, double-blind, placebo-controlled study. *Diabetologia*, **52(2):208-212, 2009**. *Diabetologia*. **52(6):1214-1216**.
- Riaz, S., Alam, S.S., Raza, M., Hasnain, S. and Akhtar, M.W. (2009). Obesity as risk factor and study of obesity related proteins in diabetes mellitus. *African J. Biotechnol.* **8(5):737-744**.
- Khan, M.A., Sadaf, S., Sajjad, M. and Akhtar, M.W. (2009) Production enhancement and refolding of caprine growth hormone expressed in *E. coli*. *Protein Expression and Purification* **68:85-89**.
- Awan, M.S., Jalil, F., Ayub, N., Akhtar, M.W. and Rajoka, M.I. (2009) Multiple mutation conferred hyperproduction of a thermostable α -galactosidase in solid-state fermentation. *Food Technol. Biotechnol.* **47:370-380**.
- Ikram, N., Naz, S., Rajoka, M.I, Sadaf, S. and Akhtar, M.W. (2009) Enhanced production of subtilisin of *Pyrococcus furiosus* expressed in *E. coli* using auto-inducing medium. *African J. Biotechnol.* **8:5867-5872**.
- Sajjad, M., Imran, M., Khan, M., Akbar, N.S., Ahmad, A., Ali, I. and Akhtar, M.W. (2010) Enhanced expression and activity yields of *Clostridium thermocellum* xylanases without non-catalytic domains. *J. Biotechnol.* **145:38-42**.
- Riaz, S., Alam, S.S. and Akhtar, M.W. (2010) Proteomic identification of human serum biomarkers in diabetes mellitus type 2. *J. Pharm. Biomed. Anal.* **51:1103-1107**
- Ikram, N., Naz, S., and Akhtar, M.W. (2009) Expression of subtilisin of *Pyrococcus furiosus* in *E. coli* and its refolding. *Pak. J. Biochem. Mol. Biol.* **42:48-54**.
- Siddiqui, S.A., Baig, M.Z., Cheema, A.M., Akhtar, M.W. and Bano, K.A. (2009) Insulin resistance and cardiovascular risks in type-2 diabetic population. *Medical Forum* **20(3):**
- Ikram, N., Naz, S. and Akhtar, M.W. (2009) Characterisation of a novel protease producing *Serratia* Sp. isolated from soil. *Pak. J. Biochem. Mol. Biol.* **42:165-172**
- Khan, M.A., Sadaf, S. and Akhtar, M.W. (2010). Sequence analysis, high-level expression and one-step purification of recombinant caprine growth hormone. *Pak. J. Biochem. Mol. Biol.* **43:45-50**.
- Rashid, N., Ahmed, N., Haider, M.S. and Haque, I. (2010). Effective solubilization and single-step purification of *Bacillus licheniformis* α -amylase from insoluble aggregates. *Folia Microbiologica* **55:133-136**.
- Malik, S., Kakar, N., Hasnain, S., Ahmad, J., Wilcox, E.R., Naz, S. (2010). Epidemiology of Van der Woude Syndrome from mutational analyses in affected patients from Pakistan. *Clin Genet* **78:247-256**.
- Bashir, R., Fatima, A. and Naz, S. (2010). A frameshift Mutation in *SANS* results in atypical Usher syndrome. *Clin Genet* **78:601-603**.

- Bashir, R., Fatima, A., Naz, S. [Co-first author] (2010). Mutations in *CLDN14* are associated with different hearing thresholds. *J H Genet* **55:767-770**.

FACULTY OF PHARMACY

University College of Pharmacy:

- Hussain, K., Bukhari, N. Irfan, D., Zeeshan, M., Hassan, Saeed, U.I., and Tanveer, M. (2010) "Adsorption of Paracetamol on activated charcoal in the presence of dextropropoxyphene hydrochloride, N-acetylcysteine and sorbiton" *Lat. Am. J. Pharm.*, (USA) **29(6):83-8**
- Sherjeel, R., Ahmed, N., Khan, S., Mahmood, S. and Hassan, Syed, S. (2010). "In Vitro Comparison of Sustained Release HPMC and Lipid-Base Matrix Systems of Diltiazem HCl, *Pakistan Journal of Zoology*, **42(5):515-519**
- Danish, M., Zeeshan, Jamsahaid, M., Bashir, A., Bookhari, N., Khan, F., Z. and Aslam, I., (2010), "Antihyperlipidemic effect of Seabuckthorn berry extract, a comparative in vivo study in rabbits" *Journal of Pharmacy and Pharmacology*, **62(10):1490-1491**
- Nazir, T.R., Hidayat, M., Ahmad, A.H., Qureshi, B. and Anver, J. (2010), "Ethambutol Resistance of Indigenous Mycobacterium tuberculosis isolated from Human", *Brazilian Journal of Microbiology*, **41:1065-1069**
- Saleem, U., Rasool, M., Bashir, H.A., Waqas, W., Saeed, M., Saleem, M., and Alia, E. (2010), "Enhanced Susceptibility of Escherichia Coli, Staphylococcus Aureus and Streptococcus Pyogenes to Fluoroquinolones in the presence of Prochlorperazine", *J. App. Pharm*, **2(2):75-81**
- Khan, M., T., J., Alvi, M., N., Amin, Noor-ul, Mansoor, B., Saeed, M., Asif, Khan, F.Z., and Jamshaid, M., (2010), "Antibacterial and Irritant Activities of Organic Solvent Extracts of Agave Americana Linn., Albizzia lebb Benth. Achyranthes aspera Linn. And Abutilon indicum Linn - A Preliminary Investigation", *Pakistan Journal of Zoology*, **42(1):93-97**
- Hussain, K., Bukhari, N., Irfan, D., Zeeshan, M., Hassan, Saeed, UI, Muhammad, T. (2010) "Adsorption of Paracetamol on activated charcoal in the presence of dextropropoxyphene hydrochloride, N-acetylcysteine and sorbiton" *Lat. Am. J. Pharm.*, (USA) **29(6):83-8**

FACULTY OF SCIENCE

Department of Geography:

- Allama Iqbal Campus Map.

Department of Mathematics:

- Raza, N., Sial, S. and Siddiqi. S.S. 2010). Approximating Time Evolution Related to Ginzburg-Landau Functionals via Sobolov Gradient Methods in a Finite-Element Setting, *Journal of Computational Physics*. **229:1621-1625**.
- Siddiqi, S.S. and Rehan, K. (2010). Modified form of Binary and Ternary 3-point Subdivision Schemes, *Applied Mathematics and Computation*. **216:970-982**.

- Siddiqi, S.S. and Rehan, K. (2010). Improved binary four point subdivision scheme and new corner cutting scheme, *Computers and Mathematics with Applications*, **59:2647– 2657**.
- Siddiqi, S.S. and Akram, G. (2010). End Conditions for interpolatory Nonic Splines. *South East Asian Bulletin of Mathematics*. **34:469–488**.
- Siddiqi, S.S. and Rehan, K. (2010). A Ternary 3-Point Scheme for Curve Designing. *International Journal of Computer Mathematics*. **87(8):1709–1715**.
- Sharif, M., and Abbas, G. (2009). Effects of Electromagnetic Field on Gravitational Collapse, *Mod. Phys. Lett A*. **24:2551–2563**.
- Sharif, M. and Sheikh, U. (2009). Cold Plasma Gravitomagnetic Waves in Kerr Planar Analogue. *J. Korean Physical Society*. **55:1677-1700**.
- Sharif, M. and Shamir, M.F. (2009). Exact Solutions of Bianchi Types I and V Spacetimes in $f(R)$ Theory of Gravit. *Class. Quantum Grav*. **26:235020**.
- Sharif, M. and Kausar, H.R. (2009). Behavior of Time Varying Constants in Relativity. *Journal of Korean Physics Society*. **55:2328– 2338**.
- Sharif, M. and Taj, S. (2010). Energy Contents of Some Non-Vacuum Spacetimes in Teleparallel Gravity. *Astrophys. Space Sci*. **325:75–83**.
- Sharif, M. and Rafique, A. (2010). Hot Plasma Waves in Schwarzschild Magnetosphere. *Astrophys. Space Sci*. **325:227-240**.
- Sharif, M. and Taj, S. (2010). Energy Contents of Gravitational Waves in Teleparallel Gravity. *Mod. Phys. Lett. A*. **25:221-232**.
- Sharif, M. and Abbas, G. (2010). Effects of Electromagnetic Field on Five Dimensional Gravitational Collapse. *J. Korean Physical Society*. **56:529-535**.
- Sharif, M. and Shamir, M.F. (2010). Plane Symmetric Solutions in $f(R)$ Gravity. *Mod. Phys. Lett. A*. **25:1281-1288**.
- Sharif, M. and Abbas, G. (2010). Gravitational Charged Perfect Fluid Collapse in Friedmann Universe Models. *Astrophys. Space Sci*. **327:285-291**.
- M. Sharif and M.F. Shamir. (2010). Energy Distribution in $f(R)$ Gravity. *Gen. Relativ. Grav*. **42:1557-1569**.
- Sharif, M. and Amir, M.J. (2010). Kinematic Self-Similar Solution of Locally Rotationally Symmetric Spacetimes. *Brazilian J. Physics*. **40:210-216**.
- Sharif, M. and Rehmat, Z. (2010). Dynamics of Viscous Dissipative Plane Symmetric Gravitational Collapse. *Gen. Relativ. Grav*. **42:1795-1808**.
- Sharif, M. and Javed, W. (2010). Quantum Corrections for a Bardeen Regular Black Hole. *Korean Physical Society*. **57:217-222**.

- Sharif, M. and Siddiqa, A. (2010). Singularity in Gravitational Collapse of Plane Symmetric Charged Vaidya Spacetime. *Mod. Phys. Lett. A.* **25:2831-2836.**
- Sharif, M. and Zubair, M. (2010). Effects of Electromagnetic Field on the Dynamics of Bianchi type VI₀ Universe with Anisotropic Dark Energy. *Int. J. Mod. Phys. D.* **19:1957-1972.**
- Sharif, M. and Shamir, M.F. (2010). Non-vacuum Bianchi Types I and V in f(R) Gravity. *Gen. Relativ. Grav.* **42:2643-2655.**
- Sharif, M. and Javed. W. (2010). Kinematic Self-Similar Heat Conducting and Charge Solution. *Chinese J. Phys.* **48:546-559.**
- Hussain, M.Z. and Hussain, M. (2010). C^1 positive scattered data interpolation. *Computers and Mathematics with Applications.* **59:457-467.**
- Cripps, R. J., Hussain, M. Z., and Zhu, S. (2010). Smooth polynomial approximation of spiral arcs. *Journal of Computation and Applied Mathematics.* **233:2227-2234.**
- Sarfraz, M., Hussain, M. Z. and Asfar Nisar. (2010). Positive data modeling using spline function. *Applied Mathematics and Computation.* **216:2036-2049.**
- Hussain, M.Z., Sarfraz, M. and Maria Hussain. (2010). Scientific data visualization with shape preserving C^1 rational cubic interpolation. *European Journal of Pure and Applied Mathematics.* **3(2):194-212.**
- Hussain, M. Z., Maria Hussain and Sarfraz, M. (2010). Visualization of monotone data by rational bi-cubic interpolation. *Transactions on Computational Science VIII, LNCS 6260:146-155.*
- Hussain, M. Z., & Maria Hussain. (2010). C^1 monotone scattered data interpolation. *Transactions on Computational Science VIII. LNCS 6260:156-166.*
- Malik, M.A. and Amad, Y. (2010). Finite GS-quasigroups. *Quasigroups and Related Systems.* **18:1-6**
- J.D. Bradley, R.T. Curtic and M. Aslam Malik. (2010). Symmetric Generation of the Rudvralis Group. *Journal of London Mathematical Society.* **(2) 82:643-662**
- Siddiqi, S.S. and Akram, G. (2010). End Conditions for interpolatory Nonic Splines. *South East Asian Bulletin of Mathematics.* **34:469-488.**

Department of Physics:

- Iqbal, M.A., Khan, S.H., Khan, A.N. (2009): Study of precipitation behavior at moderator temperatures in 350 merging steel by eddy current method, *Journal of Alloys and Compounds* **474:254-256.**
- Iqbal, M.A., Khan, S.H., Khan, A.N., Ali, F. (2009): Investigation of high strength steel bending engineering failure analysis, Elsevier, *Engineering Failure Analysis* **16:128-135**
- Khan, N., Khan, S.H., Ali, F. and Iqbal, M.A. (2009): Evaluation of ZrO₂-24MgO ceramic coating by eddy current method, *Computational Materials Science* **44(3):1007-1012.**

- Hassan, M. (2009):Darboux transformation of the generalized coupled dispersionless integrable system, *Journal of Physics A: Mathematical and Theoretical*, 42, 065203
- Haider, B. and Hassan, M. (2009):Quasideterminant solutions of an integrable chiral model, *Journal of Physics A: Mathematical and Theoretical*, 42, 355211
- Shaikh, M.N., Ali, R.(2009) Coupled Alfven-Spin wave in a composite magnetic-semiconducting medium, *Chinese Journal of Physics*, **47(3)**:
- Ali, M.Z. (2009):Photonic gaps in one-dimensional PBG materials containing dispersive single or double negative metamaterials: *Asian journal of Physics* **18(1):1-6**.
- Iqbal, M.A. (2010). The Effect of Gamma rays on p-channel MOSFET: *Nanotech 2010* **2:1.417**
- Iqbal, M.A. (2010). The Effect of Gamma Radiation on Silicon Solar Panels: *Nanotech 2010* **3:1.417**
- Iqbal, M.A. (2010). Synthesis and Characterizations of nano sized Barium hexaferrites using sol gel method: *Nanotech 2010* **1:1.417**
- Iqbal, M.A. (2010) Method of enhancing polyaniline conductivity using different oxidizing agents as dopant *Nanotech 2010* **1:1.417**
- Iqbal, M.A.(2010). Effect of temperature and γ rays radiation on the electrical and optical characteristics of Quantum well structure based laser diode: *Nanotech 2010* **2:1.417**
- Iqbal, M.A. (2010). Synthesis of metallic Zn microprisms, their growth mechanism and PL properties: *Materials Letters*, 5 years 2.0581.940
- Iqbal, M.A. (2010). Effect of HO₃⁺ substitutions on the structural and magnetic properties of BaFe₁₂O₁₉ hexaferrites: *Journal of Alloys and Compounds*, 5 years 2.1351.973
- Hassan, M. (2010) Quasideterminant solutions of the generalized Heisenberg magnet model: *Journal of Physics A: Mathematical and Theoretical* 43 045204 **pp 12**
- Hassan, M. (2010) Quasideterminant multisoliton solutions of a supersymmetric chiral field model in two dimensions, *Journal of Physics A: Mathematical and Theoretical* *Journal of Physics A* 43 035204(19pp)
- Rafique, H.M.(2010). Temporal Mapping and Prediction of Coastal Biomass for Keti Bunder: *The Pacific Journal Science & Technology*
- Rashid Ali.(2010). Coupled nonlinear waves in a composite magnetic-semiconducting medium *Physics Letters A* 374,2942
- Saleem, U. (2010) Quasideterminant solutions of the generalized Heisenberg magnet model *Physics A: Mathematical and Theoretical*
- Haider, B. (2010) *Quasideterminant multisoliton solutions of a supersymmetric chiral field model in two dimensions*,. *J. Phys. A: Math. Theory* 43 035204

Centre for Excellence in Solid State Physics:

- Riaz, S. and Naseem, S. (2009) Effect of varying oxygen partial pressure on the properties of reactive evaporated zinc aluminate thin films. *Int. J. Mater. Res.*, **100:234**

- Khan, I.U., Ranjha, N.M. and Naseem, S. (2009) Encapsulation and characterization of flurbiprofen loaded poly (N'-caprolactone)-poly (vinylpyrrolidone) blend microspheres by solvent evaporation method, *J. Sol-gel Sci. Technol.*, **50:281**.
- Hussain, T., Ahmad, R., Khan, I.A. and Naseem, S. (2009) Deposition of titanium nitride on Si (100) wafers using plasma focus. *Nucl. Instrum. Meth. Phys. Res.*, B261: 768.
- Kiyani, Z.N., Naseem, S. and Riaz, S. (2009) Magnetic and structural properties of electro-deposited FeCoNi thin films with variations in current density used during preparation. *Proc. Pak. Inst. Phys. Nt. Conf.* Lahore, February **23-26:27**
- Hussain, T., Ahmed, R., Khan, I.A., Siddiqi, J., Khalid, N., Bhatti, A.S. and Naseem, S. (2009). Deposition of titanium nitride on Si (100) wafers using plasma focus. *Nuclear Instruments and Methods in Physics Research*, B267:768.
- Riaz, S., Bukhari, Mazhar, M. and Naseem, S. (2009). Deposition of Al₂O₃ thin films and study of their structural, optical, photoconducting and dielectric properties. *Sci. Inter.* **21:1**
- Riaz, S. and Naseem, S. (2009). Effect of oxygen partial pressure on the properties of reactively evaporated zinc acuminate thin films. *Int. J. Mater. Res.*, **2:237**.
- Shahzad, F., Zhou, J. and Siddiqi, S.A. (2009). Magnetic behavior of Sm₂Co₇/Fe/Sm₂Co₇ nano-composite tri-layer with Cr and Ti additions. *Chin. Phys. Letts.* **26:3**
- Ramay, S.M., Anwar, M.S. and Siddiq, S.A. (2009) Effect of temperature on structure and magnetic properties of laser ablated iron oxide deposited on Si (200). *Chin. Phys. Letts.* **26:4**.
- Asghar, M.H, Shoaib, M., Khan, Z.M., Naseem, S., Placido, F. and Mehmood, M. (2010). Complex optical filter prepared by sputter deposition. *Eur. Phys. J. Appl. Phys.*, **49:2051**
- Zia, R., Saleemi, F. and Naseem, S. (2010). Dependence of optical, structural and electrical properties of Zn_xCd_{1-x}S thin films prepared by co-evaporation on the composition for x=0-1. *Int. J. Mater. Res.*, **102:316**.
- Riaz, S., Yar, A., Iqbal, N. and Naseem, S. (2010). Plasma assisted CVD growth and characterization of DLC nanostructures. National Meeting on Nanotechnology Research in Pakistan. August 03
- Riaz, S., Kausar, R., Naeem, S. and Naseem, S. (2010). Electrodeposition of L10 ordered CoPt nanoparticles and nanowires. National Meeting on Nanotechnology Research in Pakistan. August, 03.
- Riaz, S., Bashir, M. and Naseem, S. (2010). Preparation and characterization of Mn doped ZnO through Sol-Gel technique. National Meeting on Nanotechnology Research in Pakistan. August, 03.
- Riaz, S., Ashraf, R. and Naseem, S. (2010). Synthesis and characterization of ZnO nanoparticles through Sol-Gel Route. National Meeting on Nanotechnology Research in Pakistan.
- Riaz, S., Yasir, M. and Naseem, S. (2010). Branched carbon nanotube formation through cracks and AAO templates. National Meeting on Nanotechnology Research in Pakistan.

- Riaz, S., Jamil, M.A. and Naseem, S. (2010). Ellipsometry of $Zn_xCd_{1-x}S$ thin films. National Meeting on Nanotechnology Research in Pakistan.
- Ramay, S.M., Siddiqi, S.A., Atiq, S., Awan, M.S. and Riaz, S. (2010). Structural magnetic and electrical properties of Al³⁺ substituted CuZn-Ferrites. *Chin. J. Chem. Phys.* **23**: 591.
- Saleem M, Siddiqi SA, Atiq S and Riaz S. (2010). Room temperature magnetic behavior of Sol-Gel synthesized Mn-Doped ZnO. *Chin. Chem. Phys.* **23**:469.
- Nazir S, Ikram N, Saeed Y, Shaukat A, Ali RH and Siddiqi SA. (2010). First principles density functional calculations of half-metallic ferromagnetism in $Zr_{1-x}Cr_xS$ and $Cd_{1-x}Cr_xS$. *Curr. Opin. Solid State Mater. Sci.* **14**:1
- Shahzad, F., Im, M.Y., Avallone, A., Fischer, P., Siddiqi, I.H., Hellman, F. and Siddiqi, S.A. (2010) *Chin. Phys. B*, **19**:7504.
- Shahzad, F., Siddiqi, S.A. and Yan, S. (2010). Enhancement in energy product in Sm-Co/Fe exchange coupled magnetic layers with molybdenum interlayers. *J. Rare Earths*, **28**:274.
- Shahzad, F., Jing, Xu., Hong-Liang bai., Jian Min Tang, Peng-fei Xing, Shu-min He Xutong-Shuai and Siddiqi SA. (2010). Effect of Mo interlayer on magnetic properties of exchange coupled Sm-Co/Fe bilayers, *Brazilian Journal of Physics*, **40**:201.
- Shahzad, F., and Siddiqi, S.A. (2010). Enhancement of magnetization in SmCo₅/Fe₆Co₃₅/SmCo₅ nanocomposites spring exchange magnets using magnetron sputtering. *Int. J. Mater. Sci.* **5**:361.
- Shahid A, Anwar, M.S. and Shin Sung-Chul (2010) Structure independent universality of bakhausen criticality in Iron nitride thin films. *Solid State Communications.* **150**:1169.
- Sabah, A., Ali, S. and Siddiqi, S.A. (2010). Fabrication and characterization of CdS nano-particles annealed by using different radiations. *Engineering and Technology.* **69**:82.
- Hanif, M., Afaq, A. and Ahmed, I. (2010). Oscillations in the photo-detachment of a linear tri-atomic negative ion. Arxiv: 1001, 4183v1.
- Amin, B., Ahmad, I., Maqbool, M., Ikram, N., Saeed, Y., Arif, S. and Afaq, A. (2010). Generalized gradient calculations of structural, electronic and optical properties of $Mg_xCd_{1-x}O$ oxides. *Journal of Alloys and Compound.* **493**:212.

Centre for High Energy Physics:

- Afzal, Q.(2010). Search for $\psi(3770) \rightarrow$ Charmless final states involving η or π_0 mesons. *European Physics Journal C.* **66**:11-16.
- Afzal, Q. (2010). Measurement of the asymmetry parameter for the decay $\bar{\Lambda} \rightarrow \bar{p}\pi^+$ *Physical Review D.* **81**:012003-1 to 012003-7.
- Afzal, Q. (2010). Study of $J/\psi \rightarrow \eta k^* \bar{k}^*$. *Physics Letter B.* **685**:27-32.

- Afzal, Q. (2010). A study of charge k in $J/\psi \rightarrow k\pm ks \pi\pm \pi o$. *Physics Letter B*. **693:88-94**.
- Iqbal, M. (2010). Laser Induced Forward Transfer (LIFT) of Material Using Ablation of Thin Films. *Radiation Effects & Defects in Solids*, **165(6-10):501-508**.
- Iqbal, M.(2010). Surface modification of mild steel with Boron Carbide reinforcement by electron beam melting. *VACUUM*, **85(1):45-47**.

Centre for Integrated Mountain Research:

Institute of Chemistry:

- Nagra, S.A (2010). DNA damage and plasma homocysteine levels are associated with serum metabolites and mineral constituents profile in children with persistent diarrhea. *Afr. J. Biotechnol.* **9(3):**
- Nagra, S.A (2010). Plasma homocysteine and DNA damage profile in normal and obese subjects in the Pakistani population. *Mol. Biol. Rep.* **37(1):**
- Nagra, S.A (2010). Application of 2-factorial design on the enhanced production of calcium gluconate by a mutant strain of *Aspergillus niger*. *Bioresour Technol.*
- Nagra, S.A. (2010). Insertion of a lysosomal enzyme cleavage site into the sequence of a radionucleotide neuropeptide influences cell trafficking in-vitro and in-vivo. *Cancer Biotherapy & Radiopharmaceutical.* **25(10):**
- Nagra, S.A. (2010). Radiopeptide internalization and externalization assay: Cell viability and radioligand integrity. *Applied radiation and Isotopes*.
- Nagra, S.A. (2010). 3-(6-Fluoro-4-oxo-4 H-chromen-3-yl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-1, 1-dioxane *Acta Cryst.*
- Nagra, S.A. (2009).Determination of Heavy metals in fresh water fish species of the river ravi, Pakistan copared to farmed fish varieties. *Environ. Monit. Assess*, 2009 (DOI 10.1007/s 10661-009-1064-9)
- Nagra, S.A.(2009).4-[(Z)-(2-Ethoxy-4-oxochroman-3-ylidene) methyl-amino] benzenessulfonamide monohydrate. *Acta Cryst.*
- Nagra, S.A. (2009). Iodine deficiency in pregnant women of Lahore. *JPMA.* **59(11):**
- Anwar, J.C. (2009). Synthesis, characterization and study of antibacterial activity of enamione complexes of zinc and iron, *Arabian Journal of Chemistry*, **3:219-224**.
- Anwar, J.C. (2009). Estimation of sulfur by Gas-Phase Molecular Absorption Spectroscopy (GPMAS) and use in Pharmaceutical Analysis. *Journal of Sulfur Chemistry*, **31:13–18**.
- Anwar, J.C. (2009). Removal of Pb(II) and Cd(II) from water by adsorption on peels of banana. *Bioresource Technology* **101;1752-1755**.

- Anwar, J.C. (2009). Computational Quantification of Spot tests by Image Scanning- A New Analytical Technique for Micro Samples. *Analytical Letters* **43**:1-5.
- Anwar, J.C. Aflatoxin M1 contamination in milk from five dairy species in Pakistan. *Food Control* **21**:122-124.
- Anwar, J.C. (2009). Modification of polyethylene and incorporation of Al (OH)₃ for better mechanical properties, burning behavior and thermal stability. *Iranian Polymer Journal* **19**:1-10.
- Anwar, J.C. (2009). Study of the influence of DOP Mobilizer on the Mechanical and Thermal Properties of the Irradiated Semi Crystalline Ethylene-Propylene Copolymer, *Nust Journal of Engineering Sciences* **2**:134-138.
- Anwar, J.C. (2009). A Novel Application of Quaternary Ammonium Compounds as Anti Bacterial Hybrid Coating on Glass Surfaces. *Langmuir*. **25**:377-379.
- Anwar, J.C. (2009). Synthesis and Characterization of Zinc and cadmium Complexes with Deoxyalline. *Journal of Chemical Society of Pakistan*. **4(31)**:614-621.
- Anwar, J.C. (2009). Ethyl 5-amino-1-(4-chloro-2-nitrophenyl)-1 H-pyrazole-4 crboxylate. *Acta Crystallographica E* **65**:275-276.
- Anwar, J.C. (2009). A facile synthesis of novel biologically active 4-hydroxy-N0-(benzylidene)-2H-benzo[e][1,2]thiazine-3-carbohydrazide 1,1dioxides. *European Journal of Medicinal Chemistry* **44**:1311-1316.
- Anwar, J.C. (2009). Removal of chromium (III) by using coal as adsorbent. *Journal of Hazardous materials* **171**:797-801.
- Anwar, J.C.(2009). Adsorption studies for the amputation of lead from squander waters by using straws of oryza sativa (Rice) *Journal of Scientific Research* **39(1)**:9-14.
- Anwar, J.C. (2009). Adsorption study of cadmium (II) and lead (II) on radish peels *Journal of Scientific Research* **39(1)**:29-34.
- Anwar, J.C. (2009). Effect of different additives on burning efficiency of candles. *World applied Sciences Journal* **7(3)**:340-342
- Mahmood, Z. (2010). Synthesis, Chracterization and in vitro Antibacterial Studies of Ternary Complexes using Quinolone Anibiotics as primary Ligand. *J. Chem. Soc.Pak.* **32(2)**:
- Mahmood, Z. (2010). Novel RU Complex of Methylidiphenylcyclopentadienyliide. *Jour. Chem. Soc. Pak.* **32(4)**:
- Mahmood, Z. (2010). Synthesis and Spectroscopic studies some Novel Flouro Ligands and Flouro Chelates in Comparison with their Hydrogen Analogue. *Jour. Chem. Soc. Pak.* **32(2)**:
- Mahmood, Z. (2010). Comparative studies on adsorption of Congo red (CR) by adsorbents prepared from different varieties of melon seeds. *Asian Journal of Chemistry*, **22(3)**:1993-2002

- Mahmood, Z. (2010). Antibacterial Co(II), Ni(II), Cu(II) and Zn(II) complexes with biacetyl derived from Schiff Bases J. Serbian. Chem. Soc. **75(8):1075-1084**
- Mahmood, Z. (2010). 2-(3-Oxo-3,4-dihydro -2H-1,4-benzothiazin-4-yl)acetohydrazide. *Acta Cryst.* E66, 02289.
- Mahmood, Z. (2010). Synthesis, Characterization And Biological Studies of 2-[(4-Nitroanilino)Carboxyl] Benzoic Acid and its Complexes With Cr(III), Co(II), Ni(II), Cu(II) And Zn(II). *J. Chem. Soc. Pak*, **32(4)**:
- Makshoof, A., Ali, M. and Khan, M.A. (2009). "Gaseous and Particulate Emissions from Thermal Power Plants Operating on Different Technologies", *Environ Monit Assess*, DOI 10.1007/s10661-009-1028 0
- Makshoof A., Athar, A.Q., Tahir, M.N. and Khan, M.A. (2009). "N-(2-methylphenyl)-6-(1H-pyrazol-1-yl)-pyridazin-3-amine". *Acta Cryst.*, E65 , 01628
- Makshoof, A., Karim, B., Mukhtar, Z., Mukhtar, H. (2009). "Effect Of The Canopy Cover On The Organic and Inorganic Contents Of Soil in Cholistan Desert". *Pak. J. Bot.* **41(5):2387-2395**
- Makshoof, A., Farooq, U., Khan, M.A., Sakina, M., Ahmad, M. (2009). "Environmentally Benign Urea-Makshoof, A, Ali, M., and Khan, M.A. "Dispersion Modelling of Toxic Air Pollutants from Fossil Fuel Combustion facilities", *Turkish Journal of Engineering and Environmental Sciences* process of revision.
- Makshoof A., Farooq, U., Kozinski, J.A., Khan, M. A. (2009). "Biosorption of Heavy metal ions Using Wheat Based Biosorbents, A review of recent Literature Bio resource Technology, in process of revision.
- Munawar, M.A., Saif, M.J., and Anwar, J. (2009). A novel application of quaternary ammonium compounds as hybrid coating on glass surfaces. *Langmuir*, **25(1):377-379**
- Munawar, M.A., Katritzky, A.R., Kovac, J. and Khelashvili, L. (2009). *Synthesis of amino acid derivatives of quinolone antibiotics. Organic & Biomolecular Chemistry*, **7:2359-2362**
- Munawar, M. A., Yasin, M., Ali, M., Ullah, M.N. and Khokhar, I. (2009). *Microwave-assisted synthesis, metallation and duff formylation of porphyrins. Journal Heterocyclic Chem.*, **46:251-255**
- Munawar, M. A., Jamil, N., Badar, S. and Muntaha, S.T. (2009). *Biosorption of Hg (II) and Cd (II) from Waste Water by using Zea Mays Waste. J.Chem. Soc. Pak.*, **31(3):362-369**
- Munawar, M.A., Nazir, S., Anwar, J., (2009). *Synthesis and Characterization of Zinc and Cadmium complexes with Deoxyallin. J. Chem. Soc. Pak.*, **31(4):614-621**
- Munawar, M.A., and Amjad, R, (2009). *Synthesis and Spectral studies of Some Novel Coumarin Base Disperse Azo Dyes. Pak. J. Sci. Ind. Res.* **52(3):117-121**
- Munawar, M.A., Fatima, I., Khan, M.A, Nadeem, S., and Amjad, R (2009). 6-Benzylsulfanyl-9H-Purine. *Acta. Cryst.* E65, 02994
- Munawar, M.A., Shahid, M., Nadeem, S, Nasir, W., and Salim, M. (2009). 2-Bromo-4-methylbenzotrile. *Acta. Cryst.* E65, 03166

- Munawar, M.A. (2009). Khizar Iqbal Malik, Misbahul Ain Khan, Sohail Nadeem, Mukhtar-ul-Hassan (4Z)-4-[(2E)-1-Hydroxy-3-(4 methoxyphenyl) prop-2-enylidene]-3 methyl-1- phenyl-1H-pyrazol-5(4H) one. *Acta. Crys.* E65, 03046
- Munawar, M.A., Nasir, W., Ahmad, S., Nadeem, S., and Shahid, M. (2009). 4-[(2,5-Dimethylanilino)acetyl]-3,4 dihydroquinoxalin-2(1H)-one. *Acta. Crys.* E65, 03006
- Munawar, M.A., Hussain, I., Anwar, J., Asi, M.R. and Kashif, M.(2010). *Aflatoxin M1 contamination in milk from five dairy species in Pakistan. Food control, 21:122-124*
- Munawar, M.A., Yasin, M., Ali, M., NajeebUllah, M. Salim, M., Khokhar, I. and Sayyad, M.H. (2010). *Halo-Wittig and Zirconium Promoted Synthesis of Conjugated Metalloporphyrin Dimers. J. Porphyrin (JPP) 14(4):298-304*
- Munawar, M.A., NajeebUllah, M., Knight, D.W., Yaseen, M. and Vincenzo, F (2010). A microwave-assisted synthesis of triphenodioxazines [TPDOs]. *Tetrahedronu 6761-6764*
- Munawar, M.A., Fatima, I., Khan, M.A., Asmatullah, A.T., Khalil, M. (2010). *Antithyroid Activity of 6-Chloropurine. J. Braz. Chem. Soc., 21(9):1699-1703*
- Ahmad, M., Siddiqui, H.L., Ahmad, S., Tizzard, J.G. and Parvez, M. Synthesis, crystal structures and molecular packing of a series of pyrazolo-benzothiazine hybrid derivatives *J. Chem. Crystallography; Doi:10.1007/s10870-010-9820-9*
- Ahmad, N., Siddiqui, H.L., Zia-ur-Rehman, M., Parvezm M. (2010). (E)-3-(3-Chlorophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one *Acta Cryst.* (2010), E66, o1346
- Ahmad, M., Siddiqui, H.L., Khan, A.H. and Parvez, M. (2010). 2-(3,4-Dimethyl-5,5-dioxo-2H-pyrazolo[4,3-c][1,2]benzothiazin-2-yl)-N'-(2thienylmethyl-idene) acetohydrazide *Acta Cryst.* E66, o1265-6
- Siddiqui, W.A., Akhtar, Y., Akmal, M., Siddiqui, H.L., and Parvez, P (2010). N-Saccharinylmethyl ether *Acta Cryst.* E66, 0929
- Ahmad, M., Siddiqui, H.L., Ahmad, S., Aslam, S., and Parvez, M.(2010). 3-Benzoyl-4-hydroxy-2-methyl-2H-1,2-benzothiazine 1,1-dioxide *Acta Cryst.* E66, 0868
- Gul, S., Siddiqui, H. L., Ahmad, M. and Parvez, M. (2010). (4-Hydroxy-1,1-dioxo-2H-1,2-benzothiazin-3-yl)(3-methoxyphenyl) methanone *Acta Cryst.* E66, o1021.
- Ahmad, T., Zia-ur-Rehman, M., Siddiqui, H.L., Mahmud, S. and Parvez, M. (2010). 4-Nitro-N-[(1E,2E)-3-phenylprop-2-en-1-ylidene] benzohydrazide *Acta Cryst.* E66, o1022
- Ahmad, T., Zia-ur-Rehman, M., Siddiqui, H.L., Ullah, F.M. and Parvez, M. (2010). N-(3-Methoxybenzylidene)-4-nitrobenzohydrazide monohydrate *Acta Cryst.* E66, 0977-0978
- Ahmad, T., Zia-ur-Rehman, M., Siddiqui, H.L., Mahmud, S. and Parvez, M., (2010). 4-Nitro-N-[(E)-3-pyridylmethylidene]-benzohydrazide *Acta Cryst.* E66, 0976

- Ahmad, T., Zia-ur-Rehman, M., Siddiqui, H.L., Rizvi, S.U.F. and Parvez, M. (2010). N-[(E)-4-(Diethylamino)benzylidene]-4-nitrobenzohydrazide monohydrate *Acta Cryst. E66*, o1007-1008,
- Khalid, Z., Siddiqui, H.L., Ahmad, M., Aslam, S. and Parvez, M. (2010). 3-(3-Chlorobenzoyl)-4-hydroxy-2H-1,2-benzothiazine 1,1-dioxide. *Acta Cryst. E66*, o885
- Ahmad, M., Siddiqui, H.L., Ahmad, S., Rizvi, U.F. and Parvez, M. (2010), 3-Benzoyl-4-hydroxy-2-H-1,2-benzothiazine 1,1-dioxide *Acta Cryst. E66*, 0862
- Rizvi, U.F., Siddiqui, H.L., Rehman, M.Z., Azam, M. and Parvez, M. (2010). (2E)-3-(2-Chloro-6-methyl-3-quinolyl)-1-(1-naphthyl)prop-2-en-1-one *Acta Cryst. E66*, o761
- Rizvi, U.F., Siddiqui, H.L., Hussain, T., Azam, M. and Parvez, M. (2010) (E)-3-(2-Chloro-6-methyl-3-quinolyl)-1-(2,3-dihydro-1,4-benzodioxin-6-yl) prop-2-en-1-one *Acta Cryst. E66*, o744
- Khalid, Z., Siddiqui, H. L., Ahmad, M., Bukhari, I.H. and Parvez, M. (2010). 2-[2-(3-Chlorophenyl)-2-oxoethyl]-1,2-benzisothiazole. *Acta Cryst. E66(3)*, o617
- Gul, S., Siddiqui, H.L., Ahmad, M., Azam, M., and Parvez, M. (2010). 2-[2-(3-methoxyphenyl)-2-oxoethyl]-1,2-benzisothiazole. *Acta Cryst. E66(3)*, o618
- Ahmad, M., Siddiqui, H.L., Azam, M., Bukhari, I.H. and Parvez, M. (2010). 2-(2-Oxo-2-phenylethyl)-1,2-benzisothiazole. *Acta Cryst. E66(3)*, o616
- Rizvi, U.F., Siddiqui, H.L., Ahmad, M., Ahmad, W., Parvez, M. and Yasin, M. (2010). Antimicrobial and Antileishmanial Studies of Novel (2E)-3-(2-chloro-6-methyl/ methoxyquinolin-3-yl)-1-(Aryl)prop-2-en-1-ones. *Chem. Pharm. Bull. Japan*, **58(3):301**
- Iqbal, A., Siddiqui, H.L., Ashraf, C.M., Ahmad, N., Qazi, J.I., Weaver, G.W. (2010). Solvent-mediated Effects in NMR Spectra of 2-Formyl Phenoxyacetic acid: Chromatographic Evidence for Internal Cyclisation and Tautomerization; *J. Chem. Soc. Pak.*, **32(1):91**
- Siddiqui, W.A., Siddiqui, H.L. and Parvez, M., (2010). Synthesis and Crystal Structures of o-[(phenyl/p-methoxyphenyl) carbamoyl]-benzene sulfonamide. *J. Chem. Crystallography*, **40:116-121**
- Ahmad, M., Siddiqui, H.L., Rehman, M.Z. and Parvez, M. (2010). Synthesis, characterization and antioxidant activity of novel N-arylmethylidene-2-(3, 4-dimethyl-5, 5-dioxidopyrazolo[4,3-c][1,2]benzothiazin-2(4H)-yl) acetohydrazides. *European J. Med. Chem.*; **45:698-704**
- Ahmad, M., Siddiqui, H.L., Rehman, M.Z. (2010). Methyl 2-methyl-4-(oxiran-2-ylmethoxy)-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide. Mark R. J. Elsegood and George W. Weaver; *Acta Cryst. E66*, o333
- Nisar, M., Qayum, M., Shah, M.R., Siddiqui, H.L., Kaleem, W.A. and Haq, Z. (2010). Biological Screening of Impatiens Biocolor Royle; *Pak. J. Bot.* **42(3):1903**
- Gul, S., Siddiqui, H.L., Ahmad, M., Nisar, M. and Parvez, M. (2010). 4-Hydroxy-3-(3-methoxybenzoyl)-2-[(3-methoxybenzoyl)methyl]-2H-1,2-benzothiazine 1,1-dioxide *Acta Cryst. E66*, o2314

- Gul, S., Siddiqui, H.L., Ahmad, M. and Parvez, M. (2010). 4-Hydroxy-2-[(4-iodobenzoyl)methyl]-3-(3-methoxybenzoyl)-2H-1,2-benzothiazine 1,1-dioxide *Acta Cryst.* E66, o2327
- Aslam, S., Ahmad, M., Siddiqui, H.L. and Parvez, M. (2010). Isopropyl(3,4-dimethyl-5,5-dioxo-4-H-pyrazolo[4,3-c][1,2]benzothiazin -2-yl)- acetate *Acta Cryst.* E66, o2630
- Baig, Y., Siddiqui, H.L., Siddiqui, W.A., Mustafa, G. and Krautschei, H. (2010). N-(2,6-Dichlorobenzylidene)-2-hydroxybenzohydrazide *Acta Cryst.* E66, o2603
- Qadir, A., Adil, R and Mahmood, K., (2009). " Effects of Various Buffers and Salts on Colour Strength of Reactive Dye Sumifix 3RF", *J.Chem. Soc.Pak*, **31(1)**:
- Qadir, A, Abbas, S.N. and Mahmood, N. (2009). Ag(I), Pb(II), Cd(II), Hg(II) and Mn(II) Binding with Human Genomic DNA Fragment Containing Interferon Alpha2 Gene Isolated from Blood Leukocytes, *The Journal of Damghan University of Basic Sciences*, **2(1):65-74**
- Kanwal, F. (2009). Synthesis and characterization of silver henacyanoferrate (ii)/polyaniline composite. *J.Chem.Soc.Pak*. **31(6):882**
- Kanwal, F. (2009). Synthesis and characterization of polyaniline/wood and polyaniline/carben composites. *J.Chem.Soc.Pak*, **6(3):907**
- Kanwal, F. (2010). Evaluation of physico-chemical characteristics of soil sample collected from Harrapa-sahiwal (Pakistan)., **22(6):482**
- Mahmud, T. (2010). Evaluation of Selenium content of plant samples collected from indigenous sources for Se-supplementation *J. Chem.. Soc. Pak* **32(5):589-591**
- Mahmud, T. (2010). Synthesis, characterization and study of antibacterial activity of Enaminones complexes with Zinc and Iron. *Arabian Journal of Chemistry* **3(4):219-224**
- Mahmud, T. (2010). N-[4-(Phenyiminomethyl)phenyl]acetamide 0.67-Hydrate *Acta Crystallographica Section E* E66, **pp- 2781**
- Waseem, S. and Abdullah, P. (2010). Validation of a Solid Phase Extraction Technique for the Determination of Halogenated Acetic Acids in Drinking Water **39(2):227–231**.
- Waseem, S. and Abdullah, P. (2010). Comparative Study of Sample Preparation Techniques Coupled to GC for the Analysis of Halogenated Acetic Acids (HAAs) *Acids in Tap Water Journal of Chromatographic Science*, ISSN 0021-9665 **48(3):188-193**.
- Kazim, M.H., Ahmed, E., Hameed, S., Malik, A. and Ashraf, M. (2009). Cashmirols A and B, new lipoxygenase inhibiting triterpenes from *Sorbus cashmariana*, *Chem. & Biodiv.*, **9(6):1471-1476**
- Imran, M., Riaz, N., Ahmed, E., Malik, A. and Moazzam, M. (2009). Phytochemical studies on *Aerva persica* Part II, *J. Chem. Soc. Pak.*, **31:126**
- Ayaz, M., Malik, A., Ahmed, E., Lodhi, M.A. and Choudhary, M.I. (2009). Elaeagnoside, Chymotrypsin Inhibiting Steroidal Glucoside from *Elaeagnus Orientalis*. *Nat. Prod. Res.* **23:409-414**

- Khan M.A. and Sharif, A. (2010). Metal Acetate Mediated Biginelli one-pot synthesis, A. Karamat, J. Chin. Chem. Soc., **57(5B)**
- Shaha, A.T. (2010). Baoshan Lib Preparation and characterization of heteroatom substituted SBA-16 type mesoporous materials by modified pH-adjustment method *The Canadian Journal of Chemical Engineering*.
- Hassan, M., Khalid, H.N., Batool, N., Ahmad, D., Khatoon, S., Fatima, H.B. and Farooq, R Biosorption of Aqueous Lead (II) on Rice Straws (*Oryza sativa*) by Flash Column Process World *Applied Sciences Journal* **7(10):1263-1268**
- Elahi, S., Rizvi, N.B., Nagra, S.A., Iodine deficiency in pregnant women of Lahore
- Rehman, R. (2010). Synthesis, characterization and study of antibacterial activity of enaminone complexes of zinc and iron, *Arabian Journal of Chemistry*, **3(4):219-224**
- Rehman R. (2010). Evaluation of Selenium content in various plant samples for Se-supplementation, *Journal of the Chemical Society of Pakistan*, **32 (5):589-591**
- Rehman R. (2010). N-[4-(Phenyliminomethyl)acetamide 0.63-hydrate, *Acta Crystallographica Section E-Structure Reports Online*, **66:2781**
- Rehman R. (2010). Synthesis of Tallow Based Esterquat, *Journal of Scientific Research*, **40(1):31-36**
- Rehman R. (2010). Removal of chromium from water using peas waste-a green approach, *Green Chemistry Letters and Reviews*, **3(3):239-243**
- Salman, M. (2010). Removal of Pb(II) and Cd(II) by adsorption on peels of banana Bioresource Technology **101:1752-1755**.
- Salman M. (2010). Computational Quantification of Spot Tests by Image Scanning- A New Analytical Technique for Micro Samples J. Anal. Letter **43(2):367-371**.
- Salman, M. (2010). Synthesis, characterization and study of antibacterial activity of enaminone complexes of zinc and iron *Arabian Journal of Chemistry* **3(4):219-224**.
- Salman, M. (2010). Removal of chromium from water using peas waste – a green approach *Green Chemistry Letter and Reviews*, **3(3):239-243**
- Salman, M. (2010). Micro-Determination of Iron in Pharmaceutical Preparations by Image Scanning and Computational Quantification *Current Medicinal Chemistry*, **17:**
- Hussain, Z., Nazir, A., Shafique, U. and Salman, M., (2010). “Comparative Study for the determination of Metals in Milk Samples Using Flame-Aas and EDTA Complexometric Titration”, *Journal of Scientific Research*, **40(1):9-14**.
- Akram, M., Zaman, W., Hussain, Z., Salman, M., Shafique, U. and Rehman, R. (2010). Jesus Anzano, “Synthesis of Tallow Based Esterquat”, *Journal of Scientific Research*, **40(1):31-36**.
- Zaman, W. (2010). Synthesis, characterization and study of antibacterial activity of enaminone complexes of zinc and iron, *Arabian Journal of Chemistry*, **3:219-224**

- Zaman, W. (2010). Removal of Pb(II) and Cd(II) from water by adsorption on peels of banana. *Bioresource Technology* **101:1752-1755**
- Zaman, W. (2010). Computational Quantification of Spot tests by Image Scanning- A New Analytical Technique for Micro Samples. *Analytical Letters* **43:1-5**
- Zaman, W. (2009). Removal of chromium (III) by using coal as adsorbent. *Journal of Hazardous materials* **171:797-801**
- Zaman, W. (2009). Adsorption studies for the amputation of lead from squander waters by using straws of oryza sativa (Rice) *Journal of Scientific Research* **39(1):9-14**
- Zaman, W. (2009). Adsorption study of cadmium(II) and lead(II) on radish peels *Journal of Scientific Research* **39(1):29-34**
- Zaman, W. (2009). Effect of different additives on burning efficiency of candles. *World applied Sciences Journal*. **7(3):340-342**

Institute of Geology:

- Shah, F.R., Ahmad, N., Masood, K.R., Peralta-Videa, J.R. Zahid, D.M., and Zubair, M. (2010). Response of Eucalyptus Camaldulensis to irrigation with the Hudiera Drain Effluent, *International Journal of Phytoremediation* **12:343-357**.
- Hajira, K., Yasar, A., Ahmad, N. and Rukhsana, S. (2010). Advanced Oxidative decolorization of red CL-5B: effect of dye concentration, process optimization and reaction kinetics, *Polish Journal of environmental Studies* **19(1):83-92**.
- Shah, F.R., Ahmad, N., Masood, K.R., Ahmad, S.S. and Zahid, D.M. (2010). The Hudiera drain wastewater effect on the distribution of surrounding herbaceous vegetation, *Pakistan Journal of Botany* **42(3):1045-1054**.
- Shaikh, I.A., Ahmad, N. and Urooj, F. (2010). Improved deep shade reactive dyeing colorfastness using ozone during wash-off, AATCC Review (IF: 0.352)
- Ghazi, S. and Nigel-P Mountney (2010). Subsurface lithofacies analysis of the fluvial early Permian Warchha Sandstone, Potowar Basin, Pakistan, *Journal of Geological Society of India*, **76:505-517**.

College of Earth & Environmental Sciences:

- Batool, S.A. and Ch. M.N. (2009). The Impact of Municipal Solid Waste Treatment Methods on Greenhouse Gas Emissions in Lahore, Pakistan, *Waste Management*, **63-69**
- Naeem, M., Chaudhry, M. N., Baloch, I. H. and Amjad, R. (2009). Greener Approach to the Synthesis of 4-Thiazolidinone Derivatives Using Phase Transfer Catalysts under Microwave Irradiation *J. Chem. Soc. Pak.*, **31(4)**:
- Naeem, M., Chaudhry, M.N. and Amjad, R. (2009). An Ecofriendly Synthesis of 4-Thiazolidinone Derivative Using Tributylammonium Bromide Under Microwave Irradiation *Pak. J. Sci. Ind. Res.* **52(2):70-74**.

- Batool, S. A. & Chaudhry, M. N. (2009). Municipal Solid Waste Management in Lahore City District, Pakistan. *Waste Management*, **29(6):1971-1981**.
- Ali, M. S., Mahmood, S., Chaudhry, M. N. and Sadiq, M. (2009). Irrigation quality of ground water of twenty villages in Lahore district. *Soil & Environ.* **28(1):17-23**
- Naeem, M., Chaudhry, M.N., and Amjad, R. (2009). "An Ecofriendly Synthesis of 4-Thiazolidinone Derivative Using Tributylammonium Bromide Under Microwave Irradiation" *Pak. J. Sci. Ind. Res.* **52:70-74**
- Heuberger, S., Celerier, B., Burg, J.P., Chaudhary, M.N., Dawood, H. and Hussain, S. (2010). Paleostress regimes from brittle structures of the Karakoram-Kohistan Suture Zone and surrounding areas of NW Pakistan. *Journal of Asian Earth Sciences* **38:307-335**
- Jamil, N., Anwar, J, Shafique, U. Zaman, W. and Munawar, M.A. Remoual of Chromim on polyathia longifolia leaves Biomass *Int. Journal of Phytoremediation*
- Ilyas, S. and Khan, S.J. ISBN no. 978-3639301175 Membranebioreactors (MBR's) for waste water treatment and reuse. *VDM verlay Dr. Muller*
- Khan, S.J., Ilyas, S., Javid, S., Visvanathan, C. and Jega, V. T. Performance of suspended and attached growth MBR systems in treating high strength synthetic waste water. *Bio resource Technology*

Punjab University College of Information Technology:

- Akram, M., Saeid, A.B., Shum, K.P. and Meng, B.L. (2010). "Bipolar fuzzy K-algebras". *International Journal of Fuzzy System* **10(3):252-258**
- Akram, M. and Shum, K.P. (2010). "Interval-valued bifuzzy k-ideals of semirings", *The Journal of Fuzzy Mathematics* **18(3):**
- Akram, M. and Dudek, W.A. (2010). "Interval-valued (2; 2_q em).. fuzzy subquasigroups, Quasigroups and Related Systems. **18:**
- Akram, M. and Shum, K.P. (2010). Fuzzy Lie ideals over a fuzzy eld, Italian Journal of Pure and Applied Mathematics, *Journal of Italy.* **27:**
- Akram, M., Davvaz, B. and Shum, K.P. (2010). "Generalized fuzzy Lie ideals of Lie algebras", *Fuzzy Systems and Mathematics*, **24(4):48-55**
- Dar, K.H. and Akram, M. (2010). "Characterization of K-algebras by self maps II", *Annals of University of Craiova, Math. Comp. Sci. Ser* , **37(1):96-103**
- Siddiq, S., Ali, A. and Malik, M.K. (2010). "Gap Analysis between Ubiquitous Computing Requirements and Features of an Open Source Operating System (Openmoko) for Hand Held Devices", in *International Journal of Electrical & Computer Sciences IJECS-IJENS* ISSN:2077-1231 **10(5):**

- Ali, A., Siddiq, S. and Malik, M.K., (2010). "Development of Parallel Corpus and English to Urdu Statistical Machine Translation" in *International Journal of Engineering & Technology IJET-IJENS* ISSN: 2077-1185 **10(5)**:
- Abbasi, S., and Aslam, L. (2010). "The Cycle Discrepancy of Three-Regular Graphs", *Graphs and Combinatorics*, **24**:
- Akram M. (2009). Bifuzzy left h-ideals of hemirings with interval-valued membership function, *Mathematica Slovaca. ISI Journal, Springer*. **59(6):719-730**
- Malik, M.K. (2010). Tafseer Ahmed, Sebastian Sulger, Tina Bögel, Atif Gulzar, Ghulam Raza, Sarmad Hussain and Miriam Butt: "Transliterating Urdu for a Broad-Coverage Urdu/Hindi LFG Grammar". Proceedings of the Seventh conference on International Language Resources and Evaluation (LREC'10). Valletta,
- Farid, M.S., Khan, H. and Mahmood, A. (2010). "Image Inpainting using Cubic HermitSpline" in IEEE International Conference on Signal and Information Processing (ICSIP)
- M. Shahid Farid, Hassan Khan, Arif Mahmood, "Image Inpainting based on Pyramids" in 10th IEEE International Conference on Signal Processing (ICSP) 2010.
- Farid, M.S. and Khan, H. (2010). "Image Inpainting using Dynamic Weighted Kernels" in 3rd IEEE International Conference on Computer Science and Information Technology (ICCSIT), **252-255**.
- Iqbal, J., and Yousaf, M.M. (2009). "Hash Table Based Feed Forward Neural Networks: A Scalable Approach towards Think Aloud Imitation", 5th IEEE International Conference on Emerging Technologies.
- Chaudhry, M. (2010). "Comparative Study of RFID Middlewares - Defining a Roadmap to SOA based Middlewares", in IEEE-ICIT.
- Chaudhry, M. (2010). "SOARWare: Treading the Crossroads of Middleware and SOA Paradigm" in *Journal of Network and Computer Applications JNCA, Elsevier*
- Chaudhry, M. (2009). "LEGATE: Location Management for Logical Group based Tracking of Mobile Nodes in Retailing Malls" in INNOVATIONS IT, UAE
- Mahmood, A. and Khan, S. (2010) "Exploiting Transitivity of Correlation for Fast Template Matching", in IEEE Transaction on Image Processing (TIP).
- Farooq, F., Aslam, S., and Sarwar, S. (2009). QoS-Based MPLS Multicast Tree-Selection Algorithms, In Proceedings of the 7th International Conference on the Frontiers of Information Technology (FIT 2009), Abbottabad, Pakistan
- Aslam, S., Farooq, F., and Sarwar, S., (2009). Power Consumption in Wireless Sensor Networks (WSNs), In Proceedings of the 7th International Conference on the Frontiers of Information Technology (FIT 2009), Abbottabad, Pakistan.

Books:

- Akram, M. and Dar, K. H. (2010). Generalized fuzzy K-algebras, VDM Verlag Dr. Muller, ISBN 978-3-639-27095-2. **288**
- Akram, M. (2010). "Computational methods for second-order parabolic equations", VDM Verlag Dr. Muller, ISBN 978-3-639-2909-12
- Akram, M. (2010). Bifuzzy K-algebras: Theory and Methods, VDM Verlag Dr. Muller, ISBN: 978-3-639-2909-12
- Butt, A. (2010). Taxonomy of IDS "Intrusion Detection using System call Sequence", VDM Verlag Dr. Muller, ISBN: 978-3-639-29409-5
- Madani, S., Khattak, S., Jadoon, T. and Sarwar, S. "Wireless Ad-hoc Networks", IEEE Industrial Electronics Society, Industrial Electronics Handbook.
- Ali, A. (2010). Study of Morphology of Urdu Language, for its Computational Modeling: Study of Morphological Patterns in Urdu Language, and Partial Implementation of Computational of Computational Solution for the same using a Finite State Tool, VDM Verlag Dr. Müller ISBN-10: 3639289447. ISBN-13: 978-3639289442

College of Statistical and Actuarial Sciences:

- Akhter, A.S. and Hirai, A.S. (2009). "Estimation of the Scale parameter from the Rayleigh distribution from type II singly and doubly censored data" *Pakistan Journal of Statistics and Operation Research*, **5(1):31-45**.

Centre for Undergraduate Studies:

- Khalid, A. N., Afshan, N. S. and Elahi, H. (2010). *Masseëlla flueggeae* on *Flueggea virosa*, a new record for Pakistan. *Mycotaxon*. (USA, IF-0.57) **114:453-457**.
- Afshan, N.S., Khalid, A. N., Iqbal, S. H., Niazi, A. R. and Sultan, A. (2010). *Puccinia anaphalidis-virgatae*, a new species and a new variety of rust fungi from Fairy Meadows, Northern Pakistan, *Mycotaxon*., (USA, IF-0.57) **112:483-490**.
- Afshan, N. S., Khalid, A. N. and Niazi, A. R. (2010). Three new species of rust fungi from Pakistan. *Mycological Progress*, (Germany, IF-0.97), **9:485-490**.
- Afshan, N. S., Iqbal, S. H., Khalid, A. N. and Niazi, A. R. (2010). A new anamorphic rust fungus with two new records of uredinales from Azad Kashmir, Pakistan, *Mycotaxon*, (USA, IF-0.57) **112:451-456**.
- Afshan, N.S., Khalid, A. N., Iqbal, S. H., Niazi, A. R. and Sultan, A. (2009). *Puccinia subepidermalis* sp. nov. and new records of Rust fungi from Pakistan, *Mycotaxon*, (USA, IF-0.57) **110:173-182**.
- Iqbal, S. H., Afshan N. S., Khalid A. N., Niazi A. R. and Sultan, A. (2009). Additions to the rust fungi of Fairy meadows, Northern Areas of Pakistan. *Mycotaxon*, (USA, IF-0.57) **109:1-7**.

- Afshan N. S. and Khalid A. N. (2009). New records of *Puccinia* and *Pucciniastrum* from Pakistan. *Mycotaxon*. (USA, IF-0.57) **108:137-146**.
- Khalid A. N. and Afshan N. S. (2009). Additions to the graminicolous Rust Fungi of Pakistan. *Mycotaxon*, (USA, IF-0.57) **108:175-183**.
- Shafique, U., Dar, A. (2010). Removal of Pb(II) and Cd(II) by adsorption on peels of banana. *Bioresource Technology* (U.K., IF 4.253). **101(6):1752-1755**.
- Shafique, U. (2010). Computational quantification of spot tests by using image scanning- A new analytical technique for micro samples. *Analytical Letters*. (USA, IF-1.317). **43(2):367-371**
- Shafique, U., Dar, A. (2010). Estimation of sulfur by Gas Phase Molecular Absorption Spectroscopy (GPMAS) and use in pharmaceutical analysis. *Journal of Sulfur Chemistry*. (U.K., IF 0.842). **31(1):13-18**
- Shafique, U., Dar, A. (2010). Micro-determination of iron in pharmaceutical preparations by image scanning and computational quantification. *Current Medicinal Chemistry*. (Netherlands, IF 4.960). **17(35):4424-4426**
- Shafique, U. (2010). A microwave based low cost, ecofriendly device for high temperature reactions in undergraduate laboratories. *Bulgarian Journal of Chemical Education*. (Bulgaria, IF 0.038). **19(5):142-145**
- Shafique, U. (2010). Removal of chromium from water using peas waste – a green approach. *Green Chemistry Letters and Reviews*. (United Kingdom). **3(3):239-243**
- Shafique, U. (2010). Synthesis, characterization and study of antibacterial activity of enamione complexes of zinc and iron. *Arabian Journal of Chemistry*. (KSA) **3(4):219-224**
- Shafique, U. (2010). Comparative study for the determination of metals in milk samples using flame AAS and EDTA complexometric titration. *Journal of Scientific Research* (Pakistan). **40(1):9-14**
- Shafique, U. (2010). Synthesis of tallow based esterquat. *Journal of Scientific Research* (Pakistan). **40(1):31-36**

Books

- Shafique, U. (2010). Bananas – A Concise Account, Nova-Science Publishers Inc. New York, United States, 978-1-61122-128-2
- Shafique, U. (2010). A Full Chapter in an International Book entitled Bananas: Nutrition, Disease, and Trade Issues, Editor/s: Alisha E. Cohen, Nova Science Publishers Inc., New York, United States, 978-1-61761-124-7
- Shafique, U. A Chapter in an International Book entitled Chromium: Environmental, Medical and Materials Studies, Editor/s: Margaret P. Salden, Nova Science Publishers Inc., New York, United States, ISBN: 978-1-61122-656-0