

## Brief Profile of Dr. Baig

**Dr. Mirza Barjees Baig** is working as a Professor of Agricultural Extension and Rural Society at the King Saud University, Riyadh, Saudi Arabia. He received his education in both social and natural sciences from USA. He completed his Ph.D. in Extension for Natural Resource Management from the University of Idaho, Moscow, Idaho, USA. He earned his MS degree in International Agricultural Extension in 1992 from the Utah State University, Logan, Utah, USA and was placed on the "Roll of Honour". During his doctoral program, he was honored with "1995 Outstanding Graduate Student Award".

Dr. Baig has published extensively in the national and international journals. He has also presented extension education and natural resource management extensively at various international conferences. Particularly issues like degradation of natural resources, deteriorating environment and their relationship with society/community are his areas of interest. He has attempted to develop strategies for conserving natural resources, promoting environment and developing sustainable communities through rural development programs.

Dr. Baig started his scientific career in 1983 as a researcher at the Pakistan Agricultural Research Council, Islamabad, Pakistan and in that capacity, he worked on the various issues related to soils and crops. He has been associated with the University of Guelph, Ontario, Canada as the Special Graduate Faculty in the School of Environmental Design and Rural Planning from 2000-2005. He served as a Foreign Professor at the Allama Iqbal Open University (AIOU) through Higher Education Commission of Pakistan, from 2005-2009.

Dr. Baig is the member of the Assessment Committee of the Intergovernmental Education Organization, United Nations, EDU Administrative Office, Brussels, Belgium. He is also a Visiting Fellow at the Sustainable Development Policy Institute, Islamabad, Pakistan. He serves on the editorial Boards of many International Journals including: International Journal of Agriculture and Biology; TC- Biodiversity Journal, Canada; Journal of Agricultural Extension and Rural Development. Dr. Baig is the member of many national and international professional organizations including Nova Scotia Institute of Agrologists. Dr. Baig has traveled in North America, Europe and the Middle East and has got a vast experience of working with the international community.

At the Allama Iqbal Open University (AIOU), he served as the Coordinator for M.Sc. Rural Development degree program. Along with many publications, he has produced books on "Natural Resource Management in Pakistan; Social Forestry in Pakistan. He was the member of committee, revising curricula for M.Sc. (Hons.) Agricultural Extension and M.Sc. (Hons.) Forestry Extension degree programmes at the AIOU.

He can be reached at [mdbaig@ksu.edu.sa](mailto:mdbaig@ksu.edu.sa); [drbaig2@yahoo.ca](mailto:drbaig2@yahoo.ca);  
Cell : 00 966 561-209647 Tel Off: 00 966 1 4676980 Fax Off: 00 966 1 4678415

## CURRICULUM VITAE

### MIRZA BARJEES BAIG

**Ph.D., P.Ag.**

#### **PROFESSOR OF EXTENSION (NATURAL RESOURCE MANAGEMENT)**

Department of Agricultural Extension and Rural Society

College of Food and Agriculture Sciences

King Saud University

P.O. Box 2460, Riyadh 11451

Kingdom of Saudi Arabia

Tel Off: 00 966 11 4676980

Fax Off: 00 966 11 4678415

Cell: 00966 561209647

Email: mbaig@ksu.edu.sa

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**Permanent Residential Address:** 24 Ginger Court

Guelph, ONTARIO CANADA N1G 5B3

PHONE: + 1 + (519) 829-2522

EMAIL: mbaig@ksu.edu.sa; drbaig2@yahoo.ca

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### **EDUCATION**

**Ph.D.**

**Natural Resource Management/Extension**

University of Idaho, Moscow, Idaho, USA, 1995.

**MS**

**Agricultural Extension and Rural Development**

**(International Agricultural Extension and Education)**

Utah State University, Logan, USA, 1992.

**Thesis Title:** Agricultural Extension and Technology Transfer in Asia

**M.Sc. (Hons.)**

**Soil Science - Agriculture**

University of Agriculture, Faisalabad, Pakistan, 1982.

**B.Sc. (Hons.)**

**Soil Science Agriculture**

University of Agriculture, Faisalabad, Pakistan, 1980.

## **PROFESSIONAL AFFILIATION**

- **Member**, Soil Science Society of Pakistan, 1996-present.
- **Member**, Xi Sigma Pi, Epsilon Chapter, Honors Society of Forest Resources Management (Founded at the University of Washington, USA in 1908) Given at the University of Idaho, USA. 1995.
- **Member**, Nova Scotia Institute of Agrologists, Nova Scotia, Canada 2002- present.
- **Professional Agrologist**, Nova Scotia Institute of Agrologists, Nova Scotia, Canada 2002-present.

## **CURRENT EMPLOYMENT**

**Professor**, Agricultural Extension and Rural Society, King Saud University, Riyadh, Kingdom of Saudi Arabia October 03, 2009 to present date.

## **ACADEMIC POSITIONS HELD AT VARIOUS UNIVERSITIES**

**Foreign Professor – Agricultural Extension and Rural Development**, Allama Iqbal Open University, Islamabad. July 28, 2005 to Oct 2, 2009.

**Foreign Professor**, University of Arid Agriculture, Rawalpindi. Jan 2005 to July 27, 2005.

**Research Associate**, Plant and Animal Science Department, Nova Scotia Agricultural College, April 22<sup>nd</sup>, 2002 to August 2002.

**Professor (Special Graduate Faculty)**, School of Environmental Design and Rural Planning, University of Guelph, Guelph, ON **Canada**. January 01 2000 to January 2005.

## **EMPLOYMENT EXPERIENCE**

### **RESEARCH EXPERIENCE AT THE KING SAUD UNIVERSITY – SAUDI ARABIA (2009-2015)**

- Was the pioneer to do research on the status of Agricultural Extension Systems in the Kingdom of Saudi Arabia; identified constraints, and outlined the improvement strategies. As the outcome of research, published an article titled Agricultural Extension in the Kingdom of Saudi Arabia: Difficult Present and Demanding Future in a reputed journal.
- Worked on a project entitled “Indigenization of Forests Development Technologies to Enhance Forests Environmental Role in Riyadh Area”. This project was supported by NSTIP Strategic Technologies Programs, number (ENV 514-02-08) in the Kingdom of Saudi Arabia.

- As the outcome of the research report assisted in writing and publishing the following articles in the reputed **ISI** scientific journals
- Socio-economic factors affecting the conservation of natural woodlands in Central Riyadh Area - Saudi Arabia.
- Local participation in woodland management in the Southern Riyadh area: Implications for agricultural extension.
- Worked on the research report on “Attitudes of locals and their dependence on the natural forests in Al-Baha area- Saudi Arabia”.
- Participated in the studies on the adoption of irrigation methods by the date palm farmers in Al-Qassim area – Kingdom of Saudi Arabia and published an article.
- Participated on the studies on “Consumption behavior and water demand management in the Kingdom of Saudi Arabia: Implications for Extension and Education
- Participated in study on the farmers' attitudes towards organic farming in Riyadh Region - Kingdom of Saudi Arabia and published the research in a reputed journal.
- Conducted Research on identifying appropriate cropping patterns as an approach to enhancing irrigation water efficiency in the Kingdom of Saudi Arabia and published the article in a scientific journal as the outcome.
- Participated in a study on identifying the negative effects of pesticides on the environment and the farmers’ awareness in Saudi Arabia. Produced an article as the result of the research.
- Participated in a study on “Farmers’ attitude towards the traditional and modern irrigation methods in Tabuk Region - Kingdom of Saudi Arabia” and authored the results as a book chapter published by Springer.
- Assisted on studies to explore the “Role of Agricultural Extension Service in Creating Decision-making Environment for the Farmers to Realize Sustainable Agriculture in Al-Qassim and Al-Kharj Regions - Saudi Arabia”.
- Participated in conducting a study on “Determining the Competencies of Agricultural Extension Workers and their Training Needs in Saudi Arabia.

### **Scientific Officer (Agro-forestry, Environment Extension & Education)**

- Pakistan Agricultural Research Council, National Agricultural Research Centre, Park Road, Islamabad, Pakistan - June 1996 to May 1999.
- Worked on planning, executing, monitoring and evaluating projects on rural development. Developed model agro-forestry plots to devise appropriate technology, conserve natural resources, improve environment and realize sustainable yields.
- Worked on the identification and selection of appropriate agro-forestry systems under various agro-climatic zones on the eroded and salt-affected lands.
- Studied the effect of hedgerows on the accompanied agricultural crops and fertility status.

### **Research Assistant**

- Department of Agricultural Systems Technology and Education (ASTE)  
Utah State University, Logan, Utah, USA. 1990 -1992.

### **Scientific Officer, (Soil Science Extension)**

- Pakistan Agricultural Research Council, National Agricultural Research Centre, Park Road, Islamabad, Pakistan. November 1983 to December 1989.
- Worked with the farmers on soil and environmental issues like salinity, water logging, erosion, low fertility, poor crop nutrition, and low crop yields.
- Conducted experiments on identification and selection of salt tolerant crop plants at various growth stages under farmers' field conditions.
- Several studies on reclamation of salt-affected soils using chemical and biological means under field and laboratory conditions were conducted.
- Worked on soil fertility, fertilizer use efficiency and nutrition of various crops under farmer's field conditions to deliver technology to farmers.

### **Soil Survey Assistant**

- Soil Conservation Directorate  
Government of the Punjab, Murree Road, Rawalpindi, Pakistan,  
March 1983 to November 1983.
- Conducted soil erosion surveys on sloping agricultural lands to conserve soils.
- Learned integrated land use planning techniques and supervised upland conservation activities.

- Conducted surveys, adopted preventive measures to conserve natural resources, and offered recommendations and prepared reports.

## 2. TEACHING EXPERIENCE

- **Professor**  
Agricultural Extension and Rural Society, King Saud University, Saudi Arabia **2009 – to Present**
- **Professor**  
**Agricultural Extension**, Allama Iqbal Open University, Islamabad, Pakistan **2005-2009**
- **Professor – Special Graduate Faculty , Rural Extension** University of Guelph, Guelph, Ontario, **Canada Jan 2000-Dec 2004.**

### **Scientific Officer (Soils Extension)**

National Agricultural Research Centre, Park Road, Islamabad. Pakistan.  
September 1983 to December 1989.

### **Teaching Assistant – Extension Sciences**

- Department of Agricultural Systems Technology and Education (ASTE) Utah State University, Logan, USA. January 1990 to December 1992.

### **Teaching Assistant**

- Department of Range Resources, University of Idaho, Moscow, Idaho, USA.  
1993 to 1995.

### **Scientific Officer (Agro forestry & Environment Extension Education)**

- National Agricultural Research Centre, Park Road, Islamabad. Pakistan.  
June 1996 to May 1999.

### **Special Graduate Faculty/Visiting Scholar, (Rural Extension)**

- School of Environmental Design and Rural Development, University of Guelph, Ontario, N1G 2W1, Canada - January 2000-2005.

## **ACADEMIC HONORS, PROFESSIONAL AWARDS AND DISTINCTIONS**

- **Visiting Faculty**, Sustainable Development Policy Institute, Islamabad. Pakistan. 2002- 2004.
- **Nominee**, “International Student Leadership Award” University of Idaho, USA. 1995-96.
- **Nominee**, “Outstanding Graduate Student Award” at the College of Forestry, Wildlife and Range Sciences, University of Idaho, USA. 1995.
- **Received** “Outstanding Graduate Student Award” Department of Range Resources, University of Idaho, USA. 1995.
- **Received** an appreciation certificate for planning and executing Third and Fourth Annual Graduate Studies Research Exhibition 1994 and 1995 at the University of Idaho, Moscow, Idaho, USA.
- **Received** an appreciation certificate for serving student community as Secretary, Graduate Student Association (GSA), University of Idaho, Idaho, USA. 1993-94.
- **Honor Roll**, winter quarter, Utah State University, Logan, Utah, USA. 1992.
- **Received** an appreciation certificate for gaining 2<sup>nd</sup> highest gain on **TOEFL**, from USAID 1989.
- **Merit scholarship holder**, University of Agriculture, Faisalabad, Pakistan, 1977-1980.

## **MANAGEMENT TRAINING, SHORT COURSES AND CERTIFICATES WORKSHOPS**

- **Workplace hazardous Materials Information Systems (WHMIS) Training.**  
Nova Scotia Agricultural College, Canada.  
May 2002.
- **Workplace hazardous Materials Information Systems (WHMIS) Training.**  
University of Guelph, Guelph, Ontario, Canada.  
September 1999.
- **Occupational Health and Safety Act, Policy and Program: Training/Workshop.**  
Human Resources Department, Nova Scotia Agricultural College, Canada.  
April 2002.

- **First Aid Training Course**  
Human Resources Department, Nova Scotia Agricultural College, Canada. April 2002.
- **Radiation Safety,**  
University of Idaho, Moscow, Idaho, USA. June 1994.
- **Modern Techniques of Soilless Culture.**  
British Council, England.  
July 1985.
- **Soil and Plant Analyses.**  
National Agricultural Research Centre, Pakistan. June 1986.
- **Biometry and Experimental Designs in Agricultural Experiments.**  
National Agricultural Research Centre, Islamabad, Pakistan  
September 1984.
- **Art of Becoming the Creative Research Scientist.**  
National Agricultural Research Centre, Park Road, Islamabad, Pakistan,  
June 1984.

## **SERVICE AND OUTREACH - INTERNATIONAL**

- Serve as a Resource Person for Agricultural Extension and Rural Development for Asian Productivity Organization - **APO Japan.**
- Member of the Commission at **IUCN - CEESP** - Theme on Sustainable Livelihoods 2013-2016

### **Academic/Professional**

- Member, Committee on Curriculum Development for M.Sc. Forestry Extension
- Allama Iqbal Open University, Islamabad, Pakistan
- 1996-1999

## **SERVING ON THE EDITORIAL BOARDS OF SCIENTIFIC JOURNALS**

Associate Editor, **International Journal of Biodiversity – TC –Biodiversity Canada**

**Biodiversity** – Journal of Life on Earth. Tropical Conservancy, Ottawa, Canada

Associate Editor of **International Journal of Agriculture and Biology.**



**Associate Editor, International Journal of Social Forestry, Indonesia**  
Associate Editor of **International Journal of Agricultural Extension, Africa**

**Associate Editor, International Journal of Humanities and Social Science (IJHSS)**  
Centre for Promoting Ideas (CPI), USA.

**Associate Editor, Agricultural Science Research Journal, Ghana**

Associate Editor of **International Journal of Agriculture and Biology**

Associate Editor, **International Journal of Social Forestry, Indonesia**

Associate Editor of **International Journal of Agricultural Extension, Africa**

Editor - **International Journal of Humanities and Social Science- USA**  
<http://www.ijhssnet.com/index.php/editorial-board>

**Academic Journal of Research in Agricultural Sciences.**  
<http://www.acjar.org/AJRAS/editors.html>

Editor - **International Journal of Applied Science and Technology**  
<http://www.ijastnet.com/index.php/editorial-board>

Editor - **Agricultural Science Research Journal -**  
<http://resjournals.com/ARJ/Editorial%20Board.htm>.

**International Journal of Agriculture and Biosciences**  
[www.ijagbio.com/editorial-boar/](http://www.ijagbio.com/editorial-boar/)

IJAEERD | Editorial Board - **Advanced Scholars Journals.**  
[advancedscholarsjournals.org/journal/ijaeerd/editors](http://advancedscholarsjournals.org/journal/ijaeerd/editors)

EDITOR : **The Journal of Animal and Plant Sciences.**  
[http://www.thejaps.org.pk/editorial\\_board/](http://www.thejaps.org.pk/editorial_board/)

IJAFS | Editorial Board - **Advanced Scholars Journals**  
[advancedscholarsjournals.org/journal/ijafs/editors](http://advancedscholarsjournals.org/journal/ijafs/editors)

ARJFST | Editorial Board - **Advanced Scholars Journals**  
[advancedscholarsjournals.org/journal/arjfst/editors](http://advancedscholarsjournals.org/journal/arjfst/editors)

Editorial Board - **Asian Economic and Social Society**  
[aessweb.com/editorial-board.php?id=5005](http://aessweb.com/editorial-board.php?id=5005)

Editorial Board | **Current World Environment**  
[www.cwejournal.org/about/editorial-board/](http://www.cwejournal.org/about/editorial-board/)

Editorial Board – **Express - an International Journal of Multi-Disciplinary Research**  
<http://express-journal.com/EditorialBoard.aspx>

Editorial Board - **European Scientific Journal (ESJ)**  
[eujournal.org/index.php/esj/pages/view/committee](http://eujournal.org/index.php/esj/pages/view/committee)

**The International Journal of Agricultural Policy and Research (IJAPR)**  
[http://www.journalissues.org/journal\\_items.php?p=editors&&id=1](http://www.journalissues.org/journal_items.php?p=editors&&id=1)

**The Journal of Animal and Plant Sciences (THE JAPS)**  
Editorial Board – [www.thejaps.org.pk/editorial\\_board/](http://www.thejaps.org.pk/editorial_board/)

Associate Editor - **International Journal of Social Forestry**  
<http://www.ijssf.org/site/index.php?module=Pages&func=display&pageid=2>

**International Journal of Agricultural Economics, Extension and Rural Development**  
IJAEERD  
<http://advancedscholarsjournals.org/journal/ijaereditors>

**International Journal of Agriculture and Food Security**  
Editorial Board - Advanced Scholars Journals  
<http://advancedscholarsjournals.org/journal/ijafs/editors>

**Advanced Research Journal of Food Science and Technology**  
<http://advancedscholarsjournals.org/journal/arjfst/editors>

**Plant Science Journal - Regional Editor**  
<http://www.isisn.org/ISISnet%20Journals.htm>

**International Journal of Agriculture and Biosciences | Editorial Board**  
[www.ijagbio.com/editorial-boar/](http://www.ijagbio.com/editorial-boar/)

**Advanced Scholars Journals IJAFS | Editorial Board**  
[advancedscholarsjournals.org/journal/ijafs/editors](http://advancedscholarsjournals.org/journal/ijafs/editors)

**Advanced Scholars Journals**  
ARJFST | Editorial Board - [advancedscholarsjournals.org/journal/arjfst/editors](http://advancedscholarsjournals.org/journal/arjfst/editors)

**Plant Science Journal**  
[www.isisn.org/plant%20Sci%20J%20EB.htm](http://www.isisn.org/plant%20Sci%20J%20EB.htm)

**International Journal of Asian Social Science - Asian Economic and Social Society**  
<http://www.aessweb.com/editorial-board.php?id=5005>

**Asian Journal of Agriculture and Rural Development**  
<http://www.aessweb.com/journals/5005/info/eb>

**International Journal of Agricultural Extension**  
ESci Journals Publishing.  
<http://escijournals.net/IJAE/about/editorialTeam>

**International Journal of Agriculture and Biosciences (IJAB)**  
<http://www.ijagbio.com/editorial-boar/>

**The Journal of Agricultural Sciences**  
Faculty of Agricultural Sciences,  
Sabaragamuwa University of Sri Lanka,  
Belihuloya, 70140, Sri Lanka;  
E-mail: rohanap@sab.ac.lk; E-mail: agriscan@sab.ac.lk  
[www.sab.ac.lk/journal\\_agri/index.htm](http://www.sab.ac.lk/journal_agri/index.htm)

**Liaisons - The Higher Education Teaching and Learning Portal**  
<https://www.hetl.org/liaisons/page/7/>

**EDU - Assessment Committee - Intergovernmental Organization**  
[www.edu.int/EDU\\_Assessment\\_Committee.htm](http://www.edu.int/EDU_Assessment_Committee.htm)

## **2. Administrative/Outreach Services**

- **Member**, Judicial Committee, University of Idaho, Moscow, Idaho, USA. 1995.
- **Member**, Administration Liaison Committee Graduate Student Association (GSA), University of Idaho, USA. 1994-1995.
- **Member**, Committee on Residential Life, Graduate Student Association (GSA). 1994-1995.
- **Member**, Committee on Third and Fourth Annual Graduate Studies Research Exhibition, 1994 - 1995.
- **Secretary**, Graduate Student Association (GSA), University of Idaho, USA. 1993-94.
- **Editor**, Newsletter of Graduate Student Association (GSA), University of Idaho, 1993-1994.
- **Chairman**, Human Resources Committee, (GSA), University of Idaho, USA.

### 3. Extension Outreach Services

- Worked with the dairy farmers of Nova Scotia to determine the nitrogen and carbon contents of their pastures under various management systems and seasons. April 22<sup>nd</sup> 2002 to present.
- Worked on soil and water conservation techniques to realize sustainable yields under farmer's field conditions to generate and deliver technology to farmers.
- Worked on soil fertility, fertilizer use efficiency and nutrition of various crops under farmer's field conditions to deliver fertilizer application technology to farmers.
- Actively participated in scientific, technical, research and developmental studies with farmers in Pakistan to deliver the message to the end users effectively.
- Through effective extension strategies and approaches promoted environmental friendly technologies to have clean environment, adopt cost-effective technologies and build sustainable communities.
- Helped farmers to learn and apply sustainable and environment friendly practices on their lands.
- Wrote extension papers and facts sheets to benefit the farming community, designed extension and educational programs, promoted extension work and technology transfer activities in the country.
- Organized workshops, training courses and seminars for the farmers and others.

### SOCIAL AND CULTURAL PROGRAMS

- Founded **Multicultural Council of Ontario** at the Province level in Canada and was elected its President.
- Held many events to promote international friendship at the universities.
- Was honoured on behalf of the Legislature of Ontario and received “**Appreciation Certificates**” twice for outstanding services to the Ontarions and promoting multiculturalism.
- Received “**Appreciation Letters**” from the Hon. Canadian Premier, Parliamentarians and Ambassadors of different countries.
- In the history of 175 years of the Guelph City, was named as the first Asian-Canadian who ran for the public office in Canada.

## SCHOLARLY PUBLICATIONS AND PRESENTATIONS

### A. REFEREED JOURNAL ARTICLES

Al-Zahrani, K. H., F. O. Aldosari, M. B. Baig, M.Y. Shalaby and G. S. Straquadine (2017). Assessing training needs of agricultural extension workers in Saudi Arabia. Accepted for publication in *The Journal of Agricultural Sciences and technology (JAST)* Vol. 19 No. 61 (JAN 2017).

Al-Zahrani, K. H., F. O. Aldosari, M. B. Baig, M.Y. Shalaby and G. S. Straquadine (2016). Role of Agricultural Extension Service in Creating Decision-Making Environment for the Farmers to Realize Sustainable Agriculture in Al-Qassim and Al-Kharj Regions - Saudi Arabia. *The Journal of Animal and Plant Sciences*. 26 (4) 1063-1071.

Al-Zaidi, Abdullah, A., Mirza B. Baig, M.Y. Shalaby and Abdul Wahab Hazber. 2016. Level of knowledge and its application by the Coffee farmers in the Udeen Area, Governorate of Ibb, Republic of Yemen. Accepted for publication in “*The Journal of Animal and Plant Sciences*” (JAPS) Vol. 26 No. 6 (December).

**Baig, Mirza B.**, Shabbir A. Shahid, and Gary S. Straquadine. 2013. Making rainfed agriculture sustainable through environmental friendly technologies in Pakistan: A Review. *International Soil and Water Conservation Research*. Vol. 1 No. 2 pp 36-52.

**Baig, Mirza B.** and Fahad Aldosari. 2013. Agricultural Extension in Asia: Constraints and Options for Improvement. *The Journal of Animal & Plant Sciences*, Vol. 23(2): 619-632. ISSN: 1018-7081. (**An ISI Journal**).

**Baig, Mirza B.**, and Fahad Aldosari. 2013. Reclaiming Pakistani Cholistan Desert through sustainable strategies: Implications for Rural Extension. *Arab Gulf Journal of Scientific Research*. Vol. 31 No. (2-3). pp 193-205.

Al-Zahrani, Khodran H., **Mirza B. Baig** and Gary S. Straquadine. 2013. Consumption Behavior and Water Demand Management in the Kingdom of Saudi Arabia: Implications for Extension and Education. *Arab Gulf Journal of Scientific Research*. Vol. 31 No. (2-3). pp. 79-89.

Al-Zaidi, A. A., **M. B. Baig** and E. A. Elhag. 2013. An investigation into the farmers' attitudes towards organic farming in Riyadh Region – Kingdom of Saudi Arabia. *Bulgarian Journal of Agricultural Science*, 19 (No 3) 2013, 426-431.

Al-Subaiee, F. S., H. M. Al-Ghobari, **M. B. Baig**, E.A. El-Hag and M. T. Abu-Riziga. 2013. Studies on adoption of irrigation methods by the date palm farmers in Al-Qassim area – Kingdom of Saudi Arabia. *Bulgarian Journal of Agric Science*, 19 (No 6) 2013, 1337-1345.

- Baig, Mirza B.,** and Fahad Aldosari. 2012. An investigation into the vanishing biodiversity: Implications for Rural Extension. *Bulgarian Journal Agriculture Science* Vol. 3 No. 18 pp 403-409.
- Al-Shayaa, M.A., **Mirza B. Baig,** and G.S. Straquadine. 2012. Agricultural Extension in the Kingdom of Saudi Arabia: Difficult Present and Demanding Future. *The Journal of Animal & Plant Sciences* Vol. 22(1): 239-246. ISSN: 1018-7081.
- Khodran H. Alzahrani, Siddig E. Muneer, Alla S. Taha and **Mirza B. Baig.** 2012. Appropriate cropping pattern as an approach to enhancing irrigation water efficiency in the Kingdom Of Saudi Arabia. *Journal of Animal and Plant Sciences.* 22(1): 224-232.
- Shalaby, Mohammad Youssef., Khodran H. Al-Zahrani, **Mirza B. Baig,** Gary S. Straquadine. 2012. Realizing Sustainable Agriculture through Rural Extension and Environmental Friendly Farming Technologies: Basic Ingredients. *Bulgarian Journal of Agricultural Science.* 18 (6): 854-864.
- Shalaby, Mohammad Youssef., Khodran H. Al-Zahrani, **Mirza B. Baig,** Gary S. Straquadine and Fahad Aldosari. 2011. Threats and Challenges to Sustainable Agriculture and Rural Development in Egypt: Implications for Agricultural Extension. *Journal of Animal and Plant Sciences.* 21(3): 581-588.
- Khodran, H. Al-Zahrani and **Mirza B. Baig.** 2011. Water in the Kingdom of Saudi Arabia: Sustainable Management Options. *The Journal of Animal & Plant Sciences,* 21(3): 601-604.
- Khodran, H. Al-Zahrani, M. Shayaa Al-Shayaa and **Mirza B. Baig.** 2011. Water Conservation in the Kingdom of Saudi Arabia for Better Environment: Implications for Extension and Education. *Bulgarian Journal of Agricultural Science.* Vol. 17 (3): 389-395.
- Al-Zaidi, A. A., E. A. Elhag, S. H. Al-Otaibi and **M. B. Baig,** 2011. Negative effects of pesticides on the environment and the farmers awareness in Saudi Arabia: A case study. *Journal of Animal and Plant Sciences.* 21(3): 605-611.
- Shalaby, Mohamed Youssef., **Mirza B. Baig** and M.S. Al-Shayaa. 2010. Agricultural Extension in Egypt: Issues and Options for Improvement. *Arab Gulf Journal of Scientific Research, Bahrain.* 28(4): 205-213
- Shalaby, Mohammed Youssef, and **M. B. Baig,** 2010. Rural development in Egypt: threats and challenges. *Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania. Lucrări Științifice: Management Agricol. Seria I, Vol. XII (2).* pp 169-182. ISSN:14531410. Available at [http://www.usab-tm.ro/pdf/2010/management\\_2010.pdf](http://www.usab-tm.ro/pdf/2010/management_2010.pdf)

- Baig, Mirza B., Shabbir Ahmad, Gary S. Straquadine. 2010. Management of sustainable rural development in Pakistan: Possible options. Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania. *Lucrări Științifice: Management Agricol. Seria I*, Vol. XII (II). pp 509-522. ISSN:14531410
- Baig, Mirza B.**, and Faisal Sultan Al-Subaiee. 2009. Biodiversity in Pakistan: Key Challenges. *International Journal of Biodiversity*, Ottawa, Canada. Vol. 10 No. 4. Pp 20-29.
- Baig, Mirza B.**, Faisal Sultan Al-Subaiee and Gary S. Straquadine. 2009. Role of Agricultural Extension in Sustainable Rural Development in Pakistan. Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania. *Lucrări Științifice: Management Agricol. Seria I*, Vol. XI (1). pp 291-308. ISSN: 14531410
- Baig, M.B.**, Shabbir Ahmed, Nowshad Khan and Muhammad Khurshid. 2008. Germplasm conservation of multipurpose trees and their role in agroforestry for sustainable agricultural production in Pakistan. *Int. J. Agric Biol.* Vol. 10 No. 3 pp 340-348.
- Baig, M.B.**, Shabbir Ahmed, Nowshad Khan and Gary Straquadine. 2008. History of social forestry in Pakistan: An overview. *Int. J. Social Forestry*. Volume 1, Number 2, December 2008
- Baig, M.B.**, Zahur Ahmed Shabbir Ahmed, and Gary Straquadine. 2008. Sustainable local community development and peoples' participation in rural Pakistan. Accepted for publication in *J. of Rural Development and Admn.*
- Baig, M.B.**, and Moin Ahmed. 2007. Biodiversity in Pakistan: Status: Challenges and strategies for its conservation. *International Journal of Biol. and Bio-Tech.* Vol. 4 No. 4 pp 283-292.
- Memon, S.Q., **Baig, Mirza B.**, and Mari, G.R. 2007. Tillage practices and effect of sowing methods on growth and yield of maize crop. Czech University of Agriculture, Prague. *Agricultura Tropica Et Subtropica*, Vol. 40 No. 3 pp 89-100
- Baig, M.B.** 2007. Role of Sustainable Agriculture in Rural Development in Pakistan: Some Thoughts. *Journal of Rural Development and Administration (JORDA)*. Vol. XXXVII No. 1 &2. pp 1-10.
- Baig, M.B.**, Sardar Riaz. A. Khan and Shabbir Ahmad. 2007. Water management and harvesting strategies. *Journal of Social Sciences and Humanities*. Vol. XV. No. 2 pp 91-103.

- Baig, M.B.** and Moin Ahmed. 2007. Germplasm Conservation and Multipurpose Plants for Farming System in Pakistan. *International Journal of Biol. and Bio-Tech.* Vol. 4 No. 2-3. pp 95-107.
- Baig, M.B.**, and M.S. Zia. 2006. Rehabilitation of problem soils through environmental friendly technologies – II: Effect of *Sesbania aculeata* and gypsum. Czech University of Agriculture, Prague. *Agricultura Tropica Et Subtropica*, Vol. 39 No. 1:23-30.
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## REFERENCES

**Dr. Faisal Sultan AL-Subaiee**  
**Vice Dean for Development and Quality**  
College of Food and Agriculture Sciences  
Professor of Agricultural & Extension Education  
King Saud University  
P.O. Box 2460, Riyadh 11451  
**Saudi Arabia**

**Cell: 00 966 505251249**

**E. Mail:** [subaiee@ksu.edu.sa](mailto:subaiee@ksu.edu.sa)

**Dr. Gary S. Straquadine**  
Vice Provost and Associate Department Chair  
School of Applied Science and Technology Education  
Utah State University - Eastern  
451 East 400 North;  
Price, Utah 84501 USA

**Phone: (435) 613-5223**

**Email:** [gary.straquadine@usu.edu](mailto:gary.straquadine@usu.edu)

**Prof. Dr. Weldon S. Sleight**  
**(Presently working with USAID as the Chief of the Party in Africa)**  
Associate Vice President University Extension  
University of Nebraska College of Technical Agriculture  
404 East 7th Street; Curtis,  
Nebraska USA 69025

**Tel.:** (308) 367-5200

**E. Mail:** "Weldon Sleight" [wsleight2@unlnotes.unl.edu](mailto:wsleight2@unlnotes.unl.edu); [wsleight2@unl.edu](mailto:wsleight2@unl.edu)

**Prof. Dr. Usman Mustafa**  
Chief, Project Evaluation and Training Division &  
Director, Economics of Conflicts, Security and Development Centre  
Pakistan Institute of Development Economics (PIDE)  
**Quid-i-Azam University Campus**  
Islamabad, PAKISTAN

**Tel Off :** 00 92 51-9248071 **Tel Res :** 00 92 51-4862692 **Cell:** 00 92 (0300) 9507770

**E. Mail:** [usman1811@gmail.com](mailto:usman1811@gmail.com); [usman@pide.org.pk](mailto:usman@pide.org.pk)

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MIRZA B BATG ("ASSOCIATE EDITOR") and JOURNAL OF

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IN WITNESS WHERE OF, the parties agree to all of the foregoing terms and conditions on the effective date of this Agreement first above written.

Journal of Experimental Biology  
and Agricultural Sciences

Editor



Signature

M. Prasad Raig

Name/Title

Professor

Date:

07/02/2017

Signature

Kamal Kishore Chauhan

Name

Kamal Kishore Chauhan  
Managing Editor  
Journal of Experimental Biology and Agricultural Sciences

Date:

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