

CURRICULUM VITAE

Professor. Dr. Imran Rashid

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Domicile: District: Hyderabad

Date of Birth: December,09-1981



Personal Statement:

An innovative and inspiring approach personnel with significant experience in the field of Research, Higher Education and Quality Standards and having strong research background in research publications nationally and internationally.

Qualifications

| | | |
|-----------------------|------|--|
| Post Doctorate | 2018 | Molecular Biology Shantou University, P. R China |
| Post Doctorate | 2014 | Molecular Feed Science Zhejiang University P.R China |
| PhD | 2013 | Animal Nutrition and Feed Science Zhejiang University P.R China |
| M.Sc (Hons) | 2009 | Sindh Agriculture University, Pakistan |
| DVM (BSc) | 2007 | Sindh Agriculture University, Pakistan |

Total Publications (51) Research Papers = 45 Conference Paper = 06

Impact Factor = (105.34)

Citations (1750+) till present

https://scholar.google.com/citations?user=2_WSvAEAAAAJ&hl=en

Summary:

A seasoned academician and researcher with over 17 years of teaching, research, and administrative experience. Authored 50+ high-impact publications with 1750+ citations. Successfully led multiple research projects, secured national and international funding, and established a state-of-the-art technology lab at Shantou University. Held key roles including Director of Quality Enhancement Cell, Director of Research, Innovation and Commercialization, Department Chairperson and Internship Coordinator. Recognized with prestigious awards, fellowships, and contributions to animal sciences, environmental toxicology, and biotechnology. Currently serving as Professor and Head of the Department at Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Pakistan.

AWARDS, FUNDINGS AND ACHIEVEMENTS

- **Visiting Professor** at Zhejiang University (42nd in the World University Rankings) Awarded by HEC under Faculty Exchange Program 2023.
- **Strategic Funds for Science and Technology Innovation of Guangdong Province, 2019-2020** (Special Program for Foreign Young Scientists visiting Guangdong 2023-2024).
- **Project (Co-PI) "Improve Egg Production Potential, Antioxidant Status and Immunity of Chicken by Dietary Supplementation of Nano-Selenium.** Funded by Pakistan Science Foundation worth (5.5 Million PKR).
- Awarded **Talented Young Scientist Program (2018)**, from Ministry of Science and Technology, **Beijing, P. R China (April-2018 to March, 2019), Project (130-152229), Funding worth (150 thousand RMB)**
- Awarded **Talented Young Scientist Program (2017)**, from Ministry of Science and Technology, **Beijing, P. R China (April-2017 to March, 2018), Funding worth (150 thousand RMB)**
- Awarded **Yang Fang Fellowship 2017-2018** from Provincial Government Guangdong P.R China **Funding worth (120 thousand RMB)**
- Awarded an **EXCELLENCE AWARD OF BEST FOREIGNER PhD OF 2013** from College of Animal Sciences, Zhejiang University P.R China.
- Awarded **PARTIAL SUPPORT PROGRAM PHD ABROAD** funding by Higher Education Commission of Pakistan for the year of 2012-2013.
- Outstanding **PERFORMANCE AWARD** in the year of **2010-2011**, College of Animal Sciences Zhejiang University, **PR China.**

- **ZHEJIANG UNIVERSITY SCHOLARSHIP** to pursue the PhD P.R China, 2010.
- **USAID SCHOLARSHIPS**, awarded at Sindh Agriculture University Pakistan for master's degree, 2007-2009.

Teaching and Research Experiences

| No. | Position | Organization | Duration | Years |
|------------------------------|----------------------------|---|---|----------------------------------|
| University Experience | | | | |
| 1 | Visiting Professor | Zhejiang University P.R China | 24 th July 2023 to 17 th November, 2023 | 3 Months 17 Days |
| 2 | Professor | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 20 th September 2021 to till today | 2 Years 5 Months |
| 3 | Associate Professor | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 14 th December 2017 to 19 th September 2021 | 3 Years 9 Months 5 Days |
| 4 | Assistant Professor | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 17 th February 2015 to 13 th December 2017 | 2 Years 10 Months 4 Days |
| 5 | Lecturer | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 23 rd July 2009 to 16 th February 2015 | 5 Years 6 Months 23 Days |
| 6 | Research Fellow | Sindh Agriculture University, Tandojam | January 2007 to 18 th June 2009 | 2 Years 5 Months |
| | Post PhD Experience | | | 11 Years 05 Month 13 Days |
| | Total Experience | | | 17 Years 9 Months |

Research, Management and Administrative Experience

| No. | Position | Organization | Duration | Years |
|-----|--|--|---|------------------------------|
| 1 | Research Project Focal Person | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 23 rd October 2019 to Till today | 05 Years 01 Month 03 Days |
| | Chairperson | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 09 th March 2021 to till today | 3 Years 08 Months till today |
| 2 | Director QEC Quality Enhancement Cell | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 23 rd January 2019 to 07 Nov. 2024 | 5 Years 9 Months 14 Days |
| 3 | Director ORIC Office of research, Innovation & commercialization | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 15 th December 2015 to 24 th October 2016 | 10 Months 9 Days |
| 4 | Internship Coordinator | Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal, Balochistan. | 1 st September 2014 to 20 th June 2016 | 1 Years 9 Months 20 Days |
| | Administrative Experience | | | 10 Years 6 Months |

Professional Experience and Responsibilities:

Research Project Focal Person (23-10-2019 to Till today) at Lasbela University of Agriculture, Water and Marine Sciences.

Research Project Focal Person Responsibilities

A research project focal person plays a pivotal role in ensuring the successful implementation, monitoring, and completion of a research project. Their responsibilities span several areas, including coordination, management, reporting, and compliance. Below is a detailed breakdown of their key responsibilities:

Project Coordination and Stakeholder Management

- **Liaison Role:** Act as the primary point of contact between the research team, project stakeholders, sponsors, and external partners.
- **Team Coordination:** Facilitate collaboration among researchers, administrative staff, and technical experts to ensure smooth project execution.

- **Scheduling:** Develop and maintain a master schedule of project activities, meetings, and deadlines to ensure timely progress.
- **Stakeholder Engagement:** Regularly update stakeholders on project developments, outcomes, and any issues requiring their attention.

Planning and Implementation

- **Project Planning:** Assist in developing detailed project plans, including objectives, timelines, methodologies, and resources.
- **Resource Allocation:** Ensure that financial, human, and technical resources are available and allocated efficiently to meet project requirements.
- **Activity Monitoring:** Track the progress of research activities to ensure alignment with the project plan and adjust plans as necessary to meet goals.

Data and Document Management

- **Data Oversight:** Manage the collection, storage, and organization of research data in accordance with institutional and ethical guidelines.
- **Documentation:** Maintain comprehensive and accurate records of all project activities, including meeting minutes, reports, and correspondence.
- **Version Control:** Ensure that updates to project documents are tracked and communicated to relevant parties.

Communication and Reporting

- **Progress Reports:** Prepare regular updates and comprehensive reports on project progress, milestones, challenges, and solutions for stakeholders and funding bodies.
- **Presentations:** Organize and deliver presentations or briefings on project findings to relevant audiences, including stakeholders and academic forums.
- **Dissemination:** Facilitate the dissemination of research findings through reports, publications, conferences, or workshops.

Compliance and Risk Management

- **Ethical Oversight:** Ensure that the research complies with ethical guidelines, including securing necessary approvals from Institutional Review Boards (IRBs) or Ethics Committees.
- **Policy Adherence:** Ensure adherence to organizational and sponsor policies, legal requirements, and funding agreements.
- **Risk Mitigation:** Identify potential risks to the project's success (e.g., delays, budget constraints, data security issues) and implement mitigation strategies.

Financial Oversight

- **Budget Monitoring:** Track project expenditures to ensure they remain within the approved budget.
- **Financial Reporting:** Collaborate with the finance team to prepare accurate financial reports for stakeholders and funders.
- **Resource Optimization:** Ensure the optimal use of funds and resources without compromising project quality or outcomes.

Problem-Solving and Decision-Making

- **Conflict Resolution:** Address and mediate conflicts or challenges within the team or with external partners.
- **Issue Escalation:** Identify critical issues and escalate them to senior management or stakeholders when necessary.

- **Adaptive Management:** Adjust project plans and strategies based on emerging challenges or new opportunities.

Capacity Building and Training

- **Skill Development:** Organize or facilitate training sessions to enhance team members' skills relevant to the research project.
- **Knowledge Sharing:** Foster an environment of learning and knowledge exchange within the research team.
- **Mentorship:** Provide guidance and mentorship to junior researchers or team members.

Quality Assurance

- **Standards Enforcement:** Ensure that research activities adhere to high-quality standards, both scientifically and operationally.
- **Regular Reviews:** Conduct periodic reviews of project deliverables to ensure accuracy, reliability, and relevance.
- **Feedback Mechanisms:** Establish channels for feedback to continuously improve project processes and outcomes.

Project Closure

- **Final Reporting:** Prepare and submit comprehensive final reports detailing research findings, outcomes, and impacts.
- **Knowledge Archiving:** Ensure that all project documentation and data are properly archived for future reference or replication.
- **Post-Project Evaluation:** Facilitate evaluations of the project's effectiveness, identifying lessons learned and best practices for future initiatives.

Director QEC (Jan-2019 to 07-11-2024) at Lasbela University of Agriculture, Water and Marine Sciences.

- Promote the quality of education and overall academic excellence within the university.
- Develop and implement a comprehensive quality assurance plan for the university, aligning it with national and international standards and best practices.
- Oversee the process of obtaining and maintaining accreditation from relevant higher education authorities and ensuring compliance with accreditation standards and requirements.
- Formulate policies and guidelines related to academic quality, assessment, and evaluation, and ensure their proper dissemination and implementation across the university.
- Establish a system for collecting and analysing data related to various academic activities, student performance, faculty evaluations, and other relevant metrics to identify areas for improvement.
- Coordinate the assessment of academic programs to ensure their effectiveness and alignment with learning outcomes. Use assessment results to enhance the curriculum and teaching methodologies.
- Organize workshops, seminars, and training sessions to enhance the professional development of faculty members, focusing on teaching methodologies, assessment practices, and research skills.

- Implement mechanisms for gathering student feedback on courses, faculty, and university services. Address student grievances related to academic matters and ensure timely resolutions.
- Research and identify best practices in higher education and benchmark the university's performance against other institutions to identify areas for improvement.
- Facilitate external evaluations, peer reviews, and audits of academic programs and services to gain insights and recommendations from experts in the field.
- Lead the university in a culture of continuous improvement by regularly reviewing processes and practices and making data-driven decisions to enhance overall quality.
- Propose and implement quality enhancement projects and initiatives to address specific challenges or opportunities identified within the university.
- Conduct regular internal quality audits to assess the effectiveness of various academic and administrative processes and recommend improvements.
- Collaborate with different departments, faculties, and administrative units within the university to foster a culture of quality and ensure effective coordination in quality enhancement efforts.
- Prepare reports on quality assurance activities, outcomes, and progress to present to university management, governing bodies.
- **Director ORIC (December-2015 to Oct. 2016)** at Lasbela University of Agriculture, Water and Marine Sciences.

The Office of Research, Innovation, and Commercialization (ORIC) at a university is responsible for fostering a culture of research, innovation, and entrepreneurship within the academic community.

- Provide support and resources to researchers, faculty members, and students to encourage and facilitate high-quality research projects.
- Facilitate the transfer of research findings, technologies, and innovations from the university to the commercial sector or other stakeholders.
- Manage intellectual property (IP) rights resulting from research conducted at the university.
- Establish and maintain partnerships with industry and businesses to promote collaborative research projects.
- Encourage and support entrepreneurship and innovation among faculty members, researchers, and students.
- Identify and inform researchers about external funding opportunities, grants, and fellowships related to research and innovation.
- Ensure that all research conducted at the university complies with ethical standards and regulatory requirements.
- Organize workshops, training sessions, and seminars to enhance the research and innovation capabilities of faculty, researchers, and students.
- Educate researchers and faculty members about intellectual property rights, patenting processes, and the importance of protecting their research outcomes.

- Collaborate with other university departments and offices to streamline research and innovation-related activities.

Chairperson (March 2021 to till today) at Lasbela University of Agriculture, Water and Marine Sciences.

The role of a department chairperson is critical in overseeing the operations and academic affairs of a specific department within a university.

- Provide effective leadership and direction to the department, ensuring that academic goals, policies, and procedures.
- Oversee the development, evaluation, and revision of academic programs and courses within the department.
- Participate in the hiring process of new faculty members.
- Conduct performance evaluations of faculty members, addressing their strengths and areas for improvement.
- Develop class schedules, assign courses to faculty members, and manage workload distributions.
- Develop long-term strategic plans for the department, setting academic goals and objectives.
- Ensure compliance with accreditation standards and work with the university administration and relevant accrediting bodies.
- Conduct regular departmental meetings to discuss academic matters, address concerns, and promote communication and collaboration.
- advancing the department's reputation and impact within the university and the broader academic community.

Internship Coordinator (September 2014 to June 2016) at Lasbela University of Agriculture, Water and Marine Sciences.

- Internship Coordinator is responsible for facilitating and managing student internship programs.
- Collaborate with faculty and other relevant departments to design and develop internship programs.
- To identify internship opportunities and secure placement opportunities for students.
- Provide individualized guidance to students seeking internships.
- Match students with appropriate internship opportunities based on their academic interests.
- Regularly monitor and evaluate the progress of interns during their placements.
- Coordinate the completion of necessary paperwork.
- Ensure that internship placements comply with the university's policies.
- Maintain records of internship placements, student participation, and employer feedback.
- Their efforts contribute significantly to students' personal and professional development and foster strong relationships.

Faculty Member/Professor (July 2009 to date) at Lasbela University of Agriculture, Water and Marine Sciences.

- Teaching BS, MS
- Curriculum development
- Lab establishment and improving
- Conducting research and publishing articles
- Supervising MS Students

Research Fellow (January 2007 to June 2009) at Department of Dairy Technology, Sindh Agricultural University Tandojam.

- The work involves investigating various aspects of microorganisms present in dairy products, studying their behaviour, and contributing to the advancement of knowledge in the field.
- Conduct a thorough literature review to gain a comprehensive understanding of existing research and developments in dairy microbiology, including bacteria, yeast, mold, and other microorganisms relevant to the dairy industry.
- Collaborate with the principal investigator and research team to design experiments.
- Organize and manage research data, maintain accurate records, and utilize appropriate data analysis tools and software to analyze and interpret research results.

Member Statutory Bodies and Executive committees

- Member Senate Lasbela University of Agriculture Water and Marine Sciences (LUAWMS) (2018-to date).
- Member Syndicate LUAWMS (2018 till 2022).
- Member Selection Board (2018 till 2022).
- HEC, Representative Plagiarism Standing Committee, SBKW University Quetta (2019-2022).
- Member Departmental Promotion Board BPS 17-20 (2018 till 2022).
- Member Departmental Promotion Board BPS 1-16 (2018 till 2022).
- Member Selection Committee (Contractual Appointments) (2018 till today).
- Focal Person Task Force for research Projects (National/International).
- Member Financial Planning Committee (2019 to till today)

PUBLICATIONS

2024

1. Saleem, Gulnaz, Ruixia Gu, Hengxian Qu, Gul Bahar Khaskheli, IMRAN RASHID, Muhammad Qasim, and Xia Chen. "Therapeutic potential of popular fermented dairy products and its benefits on human health." *Frontiers in Nutrition* 11: 1328620 (IF-5.0).

2022

2. Yajing Sun, Ying Zeng, **Imran Rashid Rajput**, Edmond Sanganyado, Ruiqiang Zheng, Huiying Xie, Chengzhang Li, Ziyao Tian, Ying Huang, Liangliang Yang, Jianqing Lin, Ping Li, Wenhua Liu. (2022) Interspecies difference in mammalian susceptibility to legacy pollutants using skin fibroblast cells. *Environmental Pollution*, 315, 120358 (IF-9.98).

2021

3. **Imran Rashid Rajput***, Summra Yaqoob^{1§}, Sun Yajing¹, Edmond Sanganyado¹, and Liu Wenhua*. (2021) Polybrominated diphenyl ethers exert genotoxic effects in pantropic spotted dolphin fibroblast cell lines. *Environmental Pollution* 271 (2021): 116131. (IF-9.98).
4. Shahid Ali Rajput, Aftab Shaukat, **Imran Rashid Rajput**, Asghar Ali Kamboh, Zahid Iqbal, Muhammad Saeed, Rana Waseem Akhtar, Syed Aftab Hussain Shah, Muhammad Asif Raza, Ahmad El Askary, Mohamed M Abdel-Daim, Zuhair M Mohammedsaleh, Rabab M Aljarai, Muna O Alamoudi, Mashael Alhumaidi Alotaibi. (2021). Ginsenoside Rb1 prevents deoxynivalenol-induced immune injury via alleviating oxidative stress and apoptosis in mice. *Ecotoxicology and Environmental Safety* 220-11233 (IF-6.2).
5. Rajput, Shahid Ali, Aftab Shaukat, Kuntan Wu, **Imran Rashid Rajput**, Dost Muhammad Baloch, Rana Waseem Akhtar, Muhammad Asif Raza et al. (2021) "Luteolin Alleviates AflatoxinB1-Induced Apoptosis and Oxidative Stress in the Liver of Mice through Activation of Nrf2 Signaling Pathway." *Antioxidants* 10, 8-1268. (IF-5.9).

2020

6. Ying Huang*, **Imran Rashid Rajput***, Edmond Sanganyado, Yajing Sun, Fei Yu, Bo Liang, Wenhua Liu. (2020). Immune stimulation effect of PBDEs via prostaglandin pathway in pantropical spotted dolphin: An in vitro study. DOI: 10.1016/j.chemosphere.2020.126717. (IF-7.0)
7. Sanganyado, Edmond, Ran Bi, Charles Teta, Lucas Buruaem Moreira, Xiaoxuan Yu, Sun Yajing, Tatenda Dalu, **Imran Rashid Rajput**, and Wenhua Liu. "Toward an integrated framework for assessing micropollutants in marine mammals:

Challenges, progress, and opportunities." *Critical Reviews in Environmental Science and Technology* (2020): 1-48. (IF-7.8).

2019

8. Rajput, S.A., Zhang, C., Feng, Y., Wei, X.T., Khalil, M.M., **Rajput, I.R.**, Baloch, D.M., Shaukat, A., Rajput, N., Qamar, H. and Hassan, M., 2019. Proanthocyanidins Alleviates AflatoxinB1-Induced Oxidative Stress and Apoptosis through Mitochondrial Pathway in the Bursa of Fabricius of Broilers. *Toxins*, 11(3), p.157. (4.0).
9. Rajput S. A, Lvhui Sun, Ni-Ya Zhang, Mahmoud Khalil, Zhao Ling, Li Chong, Shuai Wang, **Imran Rashid Rajput**, Dost Bloch, Farhan Khan, Aftab Shaukat, Desheng Qi (2018). Grape Seed Proanthocyanidin Extract Alleviates AflatoxinB₁-induced Immunotoxicity and Oxidative Stress via Modulation of NF-κB and Nrf2 Signaling Pathways in Broilers. *Toxins* 2019, 11, 23; doi:10.3390/toxins11010023. (IF-4.0).

2018

10. **Imran Rashid Rajput***, Ziyang Xiaoa, Sun Yajinga, Summra Yaqooba, Edmond Sanganyadoa, Huang Yinga, Yu Feia, Liu Wenhua (2018). Establishment of pantropic spotted dolphin (*Stenella attenuata*) fibroblast cell line and potential influence of polybrominated diphenyl ethers (PBDEs) on cytokines response Aquatic Toxicology 203, (2018) 1-9 (IF-4.2) <https://doi.org/10.1016/j.aquatox.2018.07.017>.
11. Sun Yajing, **Imran R Rajput***, Huang Ying, Yue Fe, Edmond Sanganyado, Li Ping, Wang Jingzhen and Liu Wenhua (2017). Establishment and characterization of pygmy killer whale (*Feresa attenuata*) immortalized dermal fibroblast cell line. PloseOne <https://doi.org/10.1371/journal.pone.0195128>. (IF-3.2)
12. Edmond Sanganyado, **Imran Rashid Rajput**, Wenhua Liu (2018). Bioaccumulation of organic pollutants in Indo-Pacific humpback dolphin: A review on current knowledge and prospects. *Environmental Pollution* 237 (2018) 111-125 (IF-6.8) <https://doi.org/10.1016/j.envpol.2018.01.055>.
13. M.A. Arain, Z Mei, F.U. hassan, M. Saeed, M Alagawany, A.H. Shar and **Imran Rashid Rajput*** (2018). Lycopene: a natural antioxidant for prevention of heat-induced oxidative stress in poultry. *World's Poultry Science Journal*, Vol. 74, March 2018. doi:10.1017/S0043933917001040. (IF-1.2)

2017

14. **Imran Rashid Rajput***, Huang Ying, Sun Yajing, Muhammad Asif Arain, Li Weifen, Li Ping, Dost Muhammad Bloch and Liu Wenhua, (2017) *Saccharomyces Boulardii* and *Bacillus Subtilis* B10 Modulate TLRs and Cytokines Expression Patterns in

15. Sun Yajing, **Imran Rashid Rajput***, Muhammad Asif Arain Li yanfei and Dost Muhammad Baloch, (2017). Oral administration of *Saccharomyces boulardii* alters duodenal morphology, enzymatic activity and cytokine production response in broiler chickens. *Animal Science Journal* doi:10.1111/asj.12757. (IF-1.8)
16. Nisar Ahmed, Yi Liu, Hong Chen, Ping Yang, Yasir Waqas, Tengfei Liu, Jameel Ahmed Gandahi, Yufei Huang, Lingling Wang, Xuejing Song, **Imran Rashid Rajput**, Taozhi Wang, Qiusheng Chen (2016). Novel cellular evidence of lipophagy within the Sertoli cells during spermatogenesis in the turtle. *Aging* Vol. 8, Advance, (SCI).
17. Rajput, Zahid Iqbal, Adnan Ali, **Imran Rashid Rajput**, Noor Ahmed Soomro, Hamzo Khan Kunbhar, Ambreen Leghari, and Khalid Mirbahar. (2016) "Fattening performance and carcass characteristics of male and female buffalo calves of kundi breed." *Sci. International*, 28(5),4723-4726.
18. Zahid Iqbal Rajput, Adnan Ali, **Imran Rashid Rajput*** and Noor Ahmed Soomro Growth Performance of Non-Descriptive Buffalo Calves Fed on Urea-treated Wheat Straw. *Lasbela, U. J.Sci. Techl.*, vol.V, pp. 23-26. ISSN 2306-8256.
19. Zahid Iqbal Rajput, Aamir Bin Zahur, Noor Ahmed Soomro, **Imran Rashid Rajput**, Shakeel Ahmed Lakho, Ambreen Leghari, (2016) PPR Sero-prevalance and sero-monitoring after vaccination in field. *Sci.Int.*28(6),5259-5261.

2015

20. Danish Sharafat, Abdul Latif Bhutto, **Imran Rashid Rajput***, Muhammad Ismail Memon Muhammad Ghiasuddin Shah and Zahid Iqbal Rajput. 2015. *Bacillus subtilis* as remedy of necrotic enteritis caused by *Clostridium perfringens* in broilers. *Lasbela Uni. J. Sci* V.4: pp, 157-167.
21. Muhammad Altaf Hussain, Shazia Nazir, **Imran Rashid Rajput**, Islam Zeb Khan, Mujeeb-ur-Rehman and Shaukat Hayat. 2015. **Study on Seroprevalence of Brucellosis in Caprine in Kohat (Khyber Pakhtoon Khwa)**. *Lasbela Uni. J. Sci. Tech.* (3), 14-20.

2014

22. **Imran Rashid Rajput***, Ya li Li, Bin Deng, Yu Long Mao, Xin Xu, Bing Bing Wu Dong Yu You and Wei Fen Li. 2013. *Saccharomyces boulardii* and *Bacillus subtilis* B10 modulate TLRs mediated signaling to induce immunity by chicken bone

marrow dendritic cells. Journal of Cellular Biochemistry. DOI: 10.1002/jcb.24650 (SCI).

23. Bing bing Wu, Taoyan Yuan, Ruili Qi, Jun He, **Imran R. Rajput**, Weifen Li, Yan Fu and Dong Niu. 2014. Construction, expression and characterization of a single chain variable fragment antibody against human myostatin. Protein Peptide letters: PMID: 23919379 (SCI).

2013

24. **Imran Rashid Rajput**, Ya li Li, Xin Xu, Lijuan Zhai, Bing bing Wu, Dongyou Yu and Weifen Li. 2013. Effect of *Saccharomyces boulardii* and *Bacillus subtilis* B10 on intestinal ultrastructure modulation and mucosal immunity development in broiler. Poultry Science. 92:956-965 (SCI)

25. K. Lei, Y. L. Li, D.Y. Yu, **I.R. Rajput** and W. F. Li (2013) Influence of dietary inclusion of *Bacillus licheniformis* on laying performance, egg quality, antioxidant enzymes activities and intestinal barrier function of laying hens. Poultry Science. Poult. Sci. (92)9: 2389-2395 (IF-1.72)

26. **Imran Rashid Rajput**, Li Ya Li, Xu Xin, Yi Huang, Zhi Wen Cui, Dong You Yu and Wei Fen Li. 2013. Supplementation of *Saccharomyces boulardii* and *Bacillus subtilis* B10 to increase digestive enzymes activity, antioxidation functioning and blood homeostasis in broiler. International Journal of Agriculture and biology. 15: 231-237 (SCI).

27. Ya-li Li, Kai Lei, Xin Xu, **Imran Rashid Rajput**, Dong-you Yu, Wei-fen Li. 2013. Protective effects of *Bacillus subtilis* B10 against hydrogen peroxide-induced oxidative stress in murine macrophage cell line. International Journal of Agriculture and Biology. 15 (5): 927-932. (SCI).

28. **Imran Rashid Rajput**, Wei fen Li, Ya li Li, Jian Lei, Min qi Wang. 2013. Application of probiotic (*Bacillus subtilis*) to improve immunity, antioxidation, activity of digestive enzymes and haematological profile of shaoxing duck. Pak. Vet. Journal. 33(1): 69-72 (SCI).

29. **Imran Rashid Rajput**, Bing Bing Wu, Li Ya Li, Jian Ji, Zhi Wen Cui, Xin Xu, Dong-you Yu and Wei fen Li 2013. Establishment of Optimal Culturing Method and Biological Activity Analysis of Chicken Bone Marrow Dendritic Cells using Chi-rGM-CSF. Int J Agri Biology. 15: 401-409 (SCI).

30. Wei-fen Li, Yi Huang, Ya-li Li, Qin Huang, Zhi-wen Cui, Dong-you Yu, **Imran Rashid Rajput** and Cai-hong Hu (2013). Effect of oral administration of

Enterococcus faecium EF1 and activation of innate immunity of sucking piglets. PVJ 33(1): 5-8 (SCI).

2012

31. Xu, Xin; Huang, Qin; Cui, Zhiwen; Mao, Yulong; Li, Yali; Huang, Yi; **Rajput, Imran Rashid**; Yu, Dongyou; Li, Weifen, 2012. Immunomodulatory effects of *Bacillus subtilis* (natto) B4 on murine macrophages. *Microbiol Immunol.* 56: 817-824. (SCI).
32. Weifen Li, Qin Huang, Li ya Li, **Imran Rashid Rajput**, Dongyou Yu. 2012. Immunological effects of probiotic strain *Enterococcus faecium* EF1 on production of cytokines, superoxide anion and prostaglandin E2 in macrophage cell line. PVJ. 32(4): 530-534 (SCI).
33. Qin Huang, Xin Xu, Ya-li Li, Yi Huang, **Imran Rashid Rajput**, Wei-fen LI. Effects of *Bacillus subtilis* B10 on biological functions of RAW 264.7 murine macrophages. 2012. *Animal Science Journal*. doi: 10.1111/j.1740-0929.2012.01064. (SCI).
34. W.F. Li, Z.W. Cui, **I.R. Rajput**, Y.L. Li, H.Z. Wu and D.Y. Yu 2012. Effect of *Enterococcus faecium* 1 (EF1) on Antioxidant Functioning Activity of Caco-2 Cells under Oxidative Stress. *Journal of Animal and Veterinary Advances.* 11 (13): 2307-2312 (SCI).
35. **Imran Rashid Rajput** and Wei Fen Li, 2012. Potential role of probiotics in mechanism of intestinal immunity. PVJ. 2012 32 (3), 303-308 (SCI).

2011

36. Wei fen Li, **Imran Rashid Rajput**, Xin Xu, Ya li Li, Jian Lei, Qin Huang, Min qi Wang. 2011. Effects of Probiotic (*Bacillus Subtilis*) on Laying Performance, Blood Properties and Microflora of Shaoxing Duck. *International Journal of Poultry Science.* 10 (8): 583-589.
37. Yi Huang, Ya li Li , Qin Huang , Zhiwen Cui, Dongyou Yu, **Imran Rashid Rajput**, Weifen Li. 2011. Effect of orally administered *Enterococcus faecium* EF1 on intestinal cytokines and chemokines production of newborn piglets. *Pak. Vet. Journal* 32(1): 81-84. (SCI).

2010

38. Kamla Devrajani, Muhammad Abubakar, Sarfaraz Ali Fazlani, Faraz Shahid, Qurban Ali Shah and **Imran Rashid**. 2010. Occurrence and Prevalence of Bacterial Species as Identified from Camel Wounds. *IJAVMS* Vol. 4, issue 4, 2010:96-104 (SCI).

39. Mohammad Asif Arain, **I. R. Rajput**, M. Khaskheli S. Faraz, S. Rao M. Umer and K. Devrajani. 2010. Effect of Slaughtering Age on Chemical Composition of Goat Meat. Pakistan Journal of Nutrition 9 (4): 404-408.

2009

40. **I.R. Rajput***, M. Khaskheli, A. H Soomro, N Rajput and G. B Khaskheli. 2009. Enumeration of Thermotolerant and Thermophilic spores in commercial repacked milk powder. Pak J. Nutri. 8 (8): 1196-1198.

41. **I.R. Rajput***, M. Khaskheli, H.A.Kaleri, S.A. Fazlani, K.Devi and G. B Khaskheli. 2009. Determination of Total, Viable Cells and *Enterobacteriaceae* in Categorized Milk Powder. Pak J. Nutri. 8 (9): 1493-1496.

42. **I.R. Rajput*** M. Khaskheli, S. Rao, S.A. Fazlani, Q.A. Shah, H.A Kaleri and K. Devrajani. 2009. Microbial Quality of Formulated Infant Milk Powders. Pak J. Nutri. 8 (10): 1665-1670.

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Conference papers

46. **Imran Rashid Rajput**, Li Ya Li, Wu Bing Bing, Sheng Lan Hu, Xin Xu, Dong you Yu and Wei Fen Li (**2012**). *Saccharomyces boulardii* and *Bacillus subtilis* B10 induced cytokines, alter the intestinal ultrastructure and modulate tight junction (TJ) protein expression in broiler chickens. Symposium on Ecological environment and sustainable development of animal husbandry. Seventh National Animal Husbandry and Veterinary Symposium young scientists 2012, Pp.247-48 (**Beijing, China**).

47. **Imran Rashid Rajput**, Li Ya Li, Wu Bing Bing and Wei Fen Li (**2012**). Chicken (*Gallus gallus*) rGM-CSF employed bone marrow dendritic cells (DCs) culturing method and modulation of biological respondent gene expressions. The 12th International Symposium on Dendritic Cells, Presentation Code: PO1-51. (**Daegu, South Korea**)

48. **I.R. Rajput**, H.A Kaleri, S.K. Bloch, S. Rao, N. Rajput, S.Y. Xu, G.H Jaffer, S. Faraz and Hong-Lin Liu. **2010**. Detection of Yeast and Moulds in Milk Powder Available at Local Market of Pakistan. Symposium on Gastrointestinal Microbial Ecology and Functionality. Pp. 77-78. May, 23-25, 2010. (**Nanjing, China**)
49. **I.R. Rajput**, H.A Kaleri, S.K. Bloch, S. Rao, N. Rajput, S.Y. Xu, G.H Jaffer, S. Faraz and Hong-Lin Liu. **2010**. Enumeration of Enterobacteraceae in different milk powders. Symposium on Gastrointestinal Microbial Ecology and Functionality. Pp. 73-74. (**Nanjing, China**).
50. Q.A. Shah, **I.R. Rajput**, H.A Kaleri, S.K. Bloch, N. Rajput, S.Y. Xu, and Hong-Lin Liu. **2010**. Colibacillosis in broiler: prevalence, gross and histopathological changes. Symposium on Gastrointestinal Microbial Ecology and Functionality. Pp. 75-76. (**Nanjing, China**).
51. D. Kamla, H.A Kaleri, S.K. Bloch, **I.R. Rajput**, S. Rao, N. Rajput, S.Y. Xu, G.H Jaffer, S. Faraz and Hong-Lin Liu. **2010**. Antibiotic sensitivity of microorganisms identified from camel wound. Symposium on Gastrointestinal Microbial Ecology and Functionality. Pp. 64-65. (**Nanjing, China**).

International Conference attended:

1. The 12th International Symposium on Dendritic Cells, Presentation Code: PO1-51. 2012 (**Daegu, South Korea**) Seventh National Animal Husbandry and Veterinary Symposium young scientists 2012 (**Beijing, China**).
2. Workshop on Gastrointestinal health and microbiology. 2011 (**Zhejiang, China**).
3. Symposium on Gastrointestinal Microbial Ecology and Functionality. May, 23-25, 2010. (**Nanjing, China**).
4. 1st Asian-Pacific Conference of Endangered Marine Species Research and Conservation & 6th Conference of Cetacean Research and Conservation in Chinese Waters (Mainland China, Hong Kong, Macau and Taiwan). Shantou University 12-16th November-2018.
5. Conference on Yellow Sea Ecosystem Symposium (YES) 2019, July 17-20 at Shantou University, PR. **China**.
6. International Conference on Future Trends of Quality Assurance in Higher Education, 16-17th May 2022. NED University of Engineering and Technology, Karachi Pakistan.

Professional Membership:

- Registered Veterinary Medicine Practitioner
- Pakistan Veterinary Medical Council

Editorial Board Member

Universal Journal of Food and Nutrition (**Horizon Group, USA**)
Journal of Animal Production Advances

Associate Editor

Lasbela University Journal of Science and Technology.

Ph. D Dissertation Title

"Effects of *Saccharomyces boulardii* and *Bacillus subtilis* B10 on intestinal immunity of broiler, mediated by Toll like receptors signaling pathway".

HEC Approved Supervisor:

Higher Education Commission (HEC), **Approved Supervisor** to supervise M. Phil and Ph. D students in Pakistan.

M. Phil Co-Supervised:

1. Master Thesis on "**Study on Occurrence and Diversity of Marine Yeast in the Mangrove Ecosystem of Lasbela Coast, Balochistan, Pakistan**" by (Ameena Haroon). **PAKISTAN**
2. Master Thesis on "**Establishment and characterization of pygmy killer whale (*Feresa attenuata*) dermal fibroblast cell line**" by (Sun Yajin, Chinese). **CHINA.**
3. Master Thesis on "**Fibroblast Cell Indicates Dolphin Health Risks: A Novel Approach to Understand Toxicological Implications of Poly Diphenyl Brominated Ether**" by (Summra Yaqoob). **CHINA.**

Training/Workshops Attended

- Workshop on **teaching methodologies** at Lasbela University of Agriculture Water and Marine Sciences May 2014.
- **Quantitative Data Analysis through SPSS** at Lasbela University of Agriculture Water and Marine Sciences August 2014.

Core Laboratory Establishment Skills

- Capable of establishing advance biotech laboratory, enable of selecting, installing, and testing the equipment.
- Experience to prepare laboratory protocols, equipment operating standards and laboratory manual.
- Able to prepare, monitor and implement the precautionary measures of High-Tech laboratory.
- High level of education and training ensures that I can supervise the research experiment and equipment functions needed to obtain reliable results.
- Developed excellent communication and mediation skills and managing experimental schedule to facilitate the students and faculty research.
- Capable of assisting in analyzing large amounts of statistical and biological data, including FACS, qPCR, Florescence etc.

Specific experiment experiences:

- Flowcytometry, Confocal Microscopy (CM), Florescence Microscopy (FM), Gene Transfection into Cells, Polymerase chain reaction (PCR), Quantitative Polymerase chain reaction (qPCR), Transmission Electron Microscopy (TEM), Scan Electron Microscopy (SEM), Molecular Response Assessment, Enzyme-linked immunosorbent assay (ELISA), Antioxidation Assay, Hematological Profiling Assay, Gel Electrophoresis, DNA Extraction, RNA Extraction, cDNA synthesis.
- Molecular Biology and Biotech experiences:
- Dendritic cells culturing, Macrophage cells, Hepatocytes culturing, Cell model development (Fibroblast), Caco-2 cells culturing, Macrophage culturing, Reverse Transcript Polymerase chain reaction (RT-PCR), Quantitative Real Time Polymerase chain reaction (qRT-PCR), Quantification of DNA and cDNA

References:

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