

CURRICULUM VITAE OF PROF. DR. RIFFAT SULTANA

CONTACT INFORMATION

Professor & Chairperson Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan Email: riffat.sultana@usindh.edu.pk , riffatsultana@tamu.edu ORCID: https://orcid.org/0000-0003-4775-8452

EDUCATION

Post Doctorate	2023-2024
Department of Entomology, A & M University Texas USA “DNA Barcoding of Grasshoppers in Pakistan’s Thar Desert” Advisor: Prof. Dr. Hojun Song	
Post Doctorate	2019-2020
Tea Research Institute of CAAS Hangzhou, China. “Molecular basis of plant-insect interaction” Advisor: Prof. Dr. Xiaoling Sun	
Ph.D., Zoology (Entomology)	2003-2008
Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan. Dissertation: “Taxonomy, Biology, Ecology, and control Measures of <i>Hieroglyphus</i> species (Hemiacridinae: Acrididae: Orthoptera) of Pakistan” Advisor: Prof. Dr. Muhammad Saeed Wagan	
M.Sc. Zoology (Entomology)	2001-2002
Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan.	
B.Sc. Biology	1996-1998
Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan.	

PROFESSIONAL EXPERIENCE

PROFESSOR (BPS-21)	2023–Present
Professor 2023- 1 st October. Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan. Job Responsibilities: Teaching / Practical’s, Research supervision to M. Phil & Ph. D, Incharge Sindh Entomology, Museum, Editor USJAS, Focal person for Locust control nominated by Ministry of Science Pakistan. iBOL Canada focal person for Sindh.	
ASSOCIATE PROFESSOR (BPS-20)	2018–2023
Associate Professor 2018– 30th September 2023. Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan. Job Responsibilities: Teaching / Practical’s, Research supervision to M. Phil & Ph. D, Incharge Sindh Entomology, Museum, Editor USJAS, QEC Team Assessment Member & Focal person for Locust control nominated by Ministry of Science Pakistan. iBOL Canada focal person for Sindh.	
ASSISTANT PROFESSOR (BPS-19)	2010–2018
Assistant Professor 2010-10th June Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan. Job Responsibilities: Teaching / Practical’s, Research supervision to M. Phil & Ph. D, Incharge Sindh Entomology, Museum Editor USJAS, & QEC coordinator.	
RESEARCH ASSOCIATE	2004–2007
Department of Zoology, University of Sindh, Jamshoro, Sindh-Pakistan. 03 years as a research associate. Job	

Responsibilities: Teaching, insect sampling, analysis, experiment design and survey of different regions.

Administrative experience

Director/ Inspector of Colleges (Affiliated) University of Sindh	12 Feb.2025 – 16 Dec-2025–
Director of Zoology Department University of Sindh	3 rd Dec.2025- update

BOOKS & CHAPTERS

1. Sultana R & Kumar S. 2025. "Little Monsters Splay-footed crickets of Pakistan" Grasshoppers, Lucusts and Crickets of the World.
2. Riffat Sultana & Michel Lecoq "Encyclopedia of Plant Pests for world" published by China, (Contributed 2 chapters from Pakistan). ISBN: 978-7-5655-2232-1, 2020 .
3. Riffat Sultana & M.S Wagan "Grasshoppers and Locusts of Pakistan" published by Higher Education Commission, Islamabad, and Pakistan. ISBN-978-969-417-180-7, 2015 .
4. Riffat Sultana & M.S Wagan " <i>Hieroglyphus</i> of Pakistan" published by LAP LAMBERT Academic Publishing Germany. ISBN-13:978-3-659 26542-6, 2012 .

SERVICE FOR JOURNALS

1. Editor of University of Sindh Journal of Animal Sciences
2. Co-editor of Sindh Science Society Magazine
3. Associate Editor of International Journal of Agricultural Sciences
4. Member Editorial Board Pakistan Journal of Zoology
5. Reviewer: Tropical Zoology, Agriculture Tropical Journal, ACTA Entomologica Nationalis Pragae, Springer Discover Animals, Biodiversity Journal, Pakistan Journal of Punjab, International Journal of Agriculture and Biology, Pakistan Journal of Zoology, Saudi Journal of Biological Sciences, Brazilian Journal of Zoology.

CITATION METRICS

Accessed Aril 12 th , 2026 Google Scholar Citation indices:1336, h-index: 17, i10-index: 45 while in Research Gate citation: Score1091. H-index: 17, Reads:75022, RIS 1575, R 588).

PH.D. STUDENTS SUPERVISED (COMPLETED DEGREES)

1. Waheed Ali Panhwar "Studies on the Systemic and Ecological status of Tettigoniodea (Ensifera) of Pakistan" (2015).
2. Bhai Khan Solangi "Management of peach fruit fly <i>Bactrocera zonatasaunders</i> (Diptera: Tephritidae) by the releases of pupal parasitoid, <i>Dirhinus giffardii</i> (Hymenoptera: Chalcididae) in Sindh" (2016).
3. KUMAR Sumar "Analysis of the pathogenic applications of <i>Aspergillus</i> Species against Acridid grasshoppers of agriculture importance in Sindh" (2017)
4. Nuzhat Soomro "Taxonomy and Biology of <i>Oxya</i> species (Oxyinae: Acrididae: Orthoptera) from

Sindh" (2019)
5. Fakhra Soomro "Taxonomy, Ecology and Distribution of immature stages of Oedipodinae (Acrididae: Orthoptera) from Sindh" (2019)
6. Ahmed Ali Samejo "Seasonal distribution and reproduction of Desert Locust <i>Schistocerca gregaria</i> (Forsk.) (Cyrtacanthacridinae: Acrididae: Orthoptera) from Thar, Sindh" (2020)
7. M. Tariq Khan "Systematics, and diversity of family Vespidae (Insecta: Hymenoptera) in Sindh-Pakistan" (2020)
8. Sajjad Ali Larik "Differentiation, ecology, and Distribution of immature stages of Acridinae and Gomphocerinae (Acrididae: Orthoptera) from Sindh" (2020)
9. Mohan Lal "Biodiversity of Caelifera (Orthoptera) of Thar Desert, Sindh" (2020)
10. Muhammad Rafique Pitafi "Investigation on the Diversity and food selection of Oedipodinae (Acrididae: Orthoptera) in Hyderabad Division, Sindh, Pakistan" (2021).
11. Qadeer Soomro "Studies on the investigation on generalist predator, <i>Chrysoperla carnea</i> in transgenic BT cotton ecosystem" (2021)
12. Ilahi Bux Bhatti "Integrated pest management of sugarcane whitefly (<i>Aleurolobus barodensis</i> Mask)" (2021)
13. Zarina Abbasi "Population and fluctuation of Aphid on the different wheat varieties from Larkana District" (2022)
14. Farheen Deeba "Biodiversity of darkling Beetle (Tenebrionidae: Coleoptera) in Sindh" (2022)
15. Suriya Sanam "Diversity and Molecular Characterization of few Tettigonioidae (Ensifera: Orthoptera) of Sindh" (2022)
16. Sadaf Fatima "Inventory, and molecular characteristics of praying Mantids (Dictyoptera: Mantodea) from Sindh" (2022)
17. Muhammad Nawab "Effect of climate change on Orthoptera fauna along with control strategies over <i>Schistocerca gregaria</i> Forsk. (Orthoptera) in Punjab" (2023)
18. Ambreen Akhtar "Diversity of Gryllidae (Ensifera: Orthoptera) in Rice field of Upper Sindh" (2023)
19. Saiqa Sanam "Systematic and Molecular characterization of Pygmy Grasshopper (Tetrigidae: Orthoptera) of Sindh" (2023)
20. Munir Ahmed Prince "Biodiversity and Molecular Systematic of Caelifera (Orthoptera) of Punjab Pakistan" (2023)
21. Raheela Shah "Study on the mating strategies in Acridomorpha (Caelifera: Orthoptera) in Sindh" (2024)
22. Sidrat-ul-Muntaha "Biodiversity and distribution of Beetles (Coleoptera) from lower Sindh" (2024)
23. Abdual Sattar Kalhoro "Diversity and feeding behavior in <i>Schistocerca</i> solitary phase (Crytantgacrinae: Acrididae: Orthoptera) from district Sindh" (2024).
24. Abdul Aziz "Study on diversity of phylogenetic relationship with Acrididae (Caelifera: Orthoptera) from upper Sindh" (2025)
25. Asif Memon "Biodiversity and taxonomy of long horned grasshoppers and short horned grasshoppers from middle Sindh Pakistan" (2025)
26. Muzamil Ali "Biosystematics and molecular study of <i>Hieroglyphus</i> (Hemiacridinae Acrididae orthoptera) of Sindh" (2025)
27. Naila Bhangar "Diversity, Distribution, Seasonality and edge effects of <i>Gryllidae</i> in Sukkur Division and its Agroecosystem" (2025)
28. M. Siddique Dayo "Diversity and Biology of Tettigoniidea (Ensifera) of Sindh" (2025)
29. Muhammad Irfan Bozdar "Diversity of Acridomorpha in different vegetation of the Mehrano forest from Khairpur Mirs Sindh" (2025)
30. Muhammad Irfan Abbasi "Systematic and DNA Barcode of Conocephalinae (Tettigoniidae: Tettigoniioidea: Ensifera) from Bahawalpur Division" (2025).

31. Muhammad Waseem “Systematic and Molecular Biodiversity of selected beetles (Coleoptera) from Cholistan Desert” (2025)
32. Sadaf Soomro “Phylogeny and biogeography of Oxyinae (Acrididae: Orthoptera) in Hyderabad” (2025)
33. Maleeha Jamil “Biodiversity and Burrow Excavating Behavior of Extinct Schizodactylus from Pakistan” (2025)
34. Seema Parveen “A systematic investigation on the Pyrgomorphidae (Pyrgomorphidea: Orthoptera) from lower Sindh” (2025)
35. Aneela Chandio “A study on the Genetic diversity and Ootheca variant in Mantodea (Dictyoptera: Insecta) in lower Sindh” (2026)
36. Shamshad Ali “Study on the life-history and reproductive strategies of Gryllidae (Orthoptera) in various habitats of lower Sindh” (2026)
37. Versha Kumari “Biodiversity and Conservation of Orthopteran from Nara Desert Sindh” (2026)
38. Azra Naz “Systematic and Molecular Dection in Cicadllidae Heminaptera: Insecta) from Thar Sindh”(2026)

PH.D. STUDENTS (thesis submitted for final evolution)

1. Jeram Das “Diversity and Molecular Characterization of <i>Scelio</i> (Scelioninae: Platygasteridae) from Thar Desert Sindh” (2023)
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PH.D. STUDENT (waiting for result)

1. Irum Shaikh “Diversity of Ticks and Rickettsial agents associated with cattle buffalo, sheep and goat in lower Sindh: a molecular approach” (2024)
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PH.D. STUDENTS (WORK IN PROGRESS)

1. M. Zain-ul-Abedin “A Comparative Analysis of Hemiacridinae (Orthoptera) in the Sindh Entomological Museum and Current Surveys in Khyber Pakhtunkhwa” (2023)
2. Shafique Hyder “Evolutionary and Morphometric analysis of Acrididae (Acridodea: Orthoptera) of Sindh” (2024)
3. Sana Iqbal “Diversity and Ecology of Aquatic Insects in Irrigated Canals of Panjnad Headworks, Punjab” (2024)

M.PHIL. STUDENTS (COMPLETED DEGREE)

1. Mujahid Khan “Studies on the Population Dynamics of <i>Cotesia flavipes</i> Cameron (Hymeoptera: Braconidae) on <i>Chilo infuscatellus</i> Snellen (Pyrallidae: Lepidoptera) infesting different varieties of sugarcane in Sindh” (2012)
2. Yawar Saeed Wagan “Studies on the Entomopathogenic fungi and other parasites associated with natural population of <i>Hieroglyphus</i> species (Hemiacridinae: Acrididae: Orthoptera)” (2013)
3. Qurban Ali Meerani “Taxonomy of slant-faced grasshoppers (Acridinae) of Sindh” (2014)
4. Azra Naz Soomro “Studies on the parasitism of <i>Mermis nigrescens</i> Dujardin (Mermithida: Mermithidae: Nematoda) associated with paddy grasshoppers in district Badin and its adjoined areas” (2014).
5. Iltaf Soomro “Biology and Economic importance of <i>Poeciloceris pictus</i> (Fabricus, 1775) (Pyrgomorphidae: Acridoidae: Orthoptera) from district Shikarpur, Sindh” (2014)
6. Muhammad Rafiq Patifi “Effect of food plants on the life history of <i>Acrotylus humerrtianus</i> Saussure, a major agricultural pest in Matiari District” (2015).
7. Ambreen Akhtar “Study on Avian Predation on Co-Existing Population of Insect in Field from

Tandojam” (2016)
8. M. Siddique Dayo “Studies on Taxonomic Status of Gryllidae (Orthoptera) from Thar Desert” (2016)
9. Sadaf Fatima “Systematic study on the Praying mantids (Dictoptera: Mantodea) from district Sanghar” (2017)
10. Saiqa Sanam “Taxonomic studies on the Pigmy grasshoppers (Tettigoniodea: Orthoptera) from Sukkur Division” (2018)
11. Muzamil Ali “Seasonal distribution of <i>Hieroglyphus oryzivorus</i> (Hemiacrididae: Acrididae: Orthoptera) from rice field of Kashmore District” (2018)
12. Suriya Sanam “Taxonomy of sub-family Phanerpterine (Tettigonidae) in Jamshoro” (2018)
13. Abdul Aziz “Prevalence of insect pests in sugarcane field, from District Dadu” (2018)
14. M. Noman Bashir “Investigation on the oviposition behavior of Acrididae Species (Acrididae: Orthoptera) from Sanghar District” (2018)
15. Raheela Shah “Mating strategies in agriculture importance grasshopper (Acrididae: Orthoptera) from Hyderabad Division” (2018)
16. Afshan Chang “Systematic study on the Conocephalinae (Tettigoniodea: Ensifera) from District Sanghar” (2018)
17. Muhammad Irfan “Diversity of Ensifera (Orthoptera) from Khairpur Mir’s Sindh” (2018)
18. Naila Banger “Prevalence of field Crickets (Gryllidae: Orthoptera) from District Naushero Feroze” (2019)
19. Anila Chandio “Biodiversity of Mantidae (Mantodea: Dictoptera) from District Dadu” (2019)
20. Versha Kumari “Taxonomy of stick insects (Phasmatodea: Phasmatidae) in Nara Desert Khairpur Sindh” (2019)
21. Samiullah Soomro “Systematic and DNA barcoding protocol of genus <i>Chrotogonus</i> (Pyrgomorphidae: Orthoptera) from District Khairpur Mir’s Sindh” (2019)
22. Sadaf Soomro “Study on Zonal and Ecological distribution of Acridinae (Acrididae: Orthoptera) from District Matiari” (2019)
23. Muhammad Aslam Pitafi “Study on the fauna of <i>Gryllotalpa</i> from District Khairpur Mirs along with its burrowing behavior” (2019)
24. Maleeha Jamil “Investigation on defence mechanism in Orthopteran from MirpurKhas District” (2019)
25. Sidra-ul-Mantaha “Biodiversity and taxonomy of Beetles (Coleoptera) from district Mirpurkhas and their adjoining areas” (2019)
26. Muhammad Muqem “Investigation on pathogenicity of <i>Beaveria bassiana</i> against <i>Poekilocerus pictus</i> (Pyrogomorphidae: Orthoptera) from District Kashmore” (2020)
27. Safia Khatoon “Comparative study on the infestation of Fruit fly <i>Bactrocera</i> species (Diptera: Tephritidae) on various fruit varieties from Upper Sindh” (2021)
28. Nazish Gul Khattak “Biodiversity and systematic of Cicadas (Hemiptera Cicadoidea) from Upper Sindh” (2021)
29. Sadakat Ali Memon “Prevalance of White-backed plant-hopper in paddy field from district Badin” (2021)
30. Jeram Das “Investigation on oviposition behavior in representative families of Caelifera (Orthoptera) from Thar Desert” (2021)
31. Shamshad Talpur “Morphometric Analysis of various species of Gryllidae (Grylloidea: Orthoptera) District Mirpurkhas Sindh” (2021)
32. Abdul Bari “Seasonal Occurrence of Bollworms in Cotton Field from District Ghotki, Sindh” (2021)
33. Imran Khan Brohi “Effect of different food plants on reproductive activities of <i>Aiolopus</i> (Oedipodinae: Acrididae: Orthoptera) from district Larkana, Sindh” (2022)

34. Kavita Bai. 2020 “Reproductive activities of <i>Poiklocerus pictus</i> (Pyrgomorphidea: Orthoptera) on different diets under laboratory conditions” (2022)
35. Fatima Anum “Invasion of fall army worm spodoptera frugiperds from cotton and its surrounding in agro ecosystem in Hyderabad” (2022)
36. Shafiique Haider “Morphometric analysis on the Orthoptera fauna of Jamshoro and its adjacent areas” (2022)
37. Zunaira Khan “Diversity and seasonality of darkling beetles Tenebrionidea: Coleoptera) in Upper Sindh” (2022)
38. Syeda Aneela Jawaid “Bionomics and molecular study of <i>liposceillis entomophilia</i> (Socoptera: Liposceillidae) infesting museum insects” (2022)
39. Ghulam Shabir “Diversity and management of insect pests in rice ecosystem from Badin District” (2022)
40. Bilawal Mahar “Screening of Biopesticide (Azadiorachtin) against insect pest in Cotton field” (2022)
41. Amna Siddiq “Morphometric analysis of agricultural pest Grasshoppers in Muzaffargarh District” (2022)
42. Asif Iqbal “Food selection in <i>Euconocephalus spp.</i> (Tettigonioidae: Ensifera) in Cholistan Desert” (2022)
43. Laila Zahra “Study on Oviposition behavior of Acrididae (Caelifera: Orthoptera)” (2022)
44. M. Zain-ul-Abedin “Exploration of Coleoptera Fauna from Cholistan Desert Pakistan” (2022)
45. Khalil Ahmed “Diet Acceptance and Rejection of Phaneropterinae (Ensifera) under laboratory conditions” (2022)
46. Zahid Iqbal “Infestation of Macroparasites (<i>Eutrombidium locustarum</i>) in Grasshoppers population from Rice field” (2022)
47. Syed M. Faraz Shah “Prevalence and Characterization of Tick in Goats from Dera Ghazi Khan” (2022)
48. Afshan Muneer “Prevalence and AntibioGram of enteric <i>Escherichia coli</i> of Houbara bustard” (2022)
49. Maheen Murtaza “Prevalence and AntibioGram of enteric bacteria <i>Staphylococcus aureus</i> of Houbara bustard” (2022)
50. Saira Maqbool “Prevalence and AntibioGram of enteric <i>Salmonella</i> in Houbara bustard of District Bahawalpur, Punjab, Pakistan” (2022)
51. Shamshad Mahar “Application of <i>Metarhizium acridum</i> against desert locust (<i>Schistocerca gregaria</i>) in Thar Desert Sindh” (2023)
52. Hasil Khan “Biodiversity of short horned grasshoppers from Baluchistan” (2023)
53. Shazia Batool “Diversity of Short Horned Grasshopper (Orthoptera: Acrididae) from Muzafargarh” (2023)
54. Amna “Diversity of bush crickets (Orthoptera: Tettigonioidae) from District Multan” (2023)
55. Sadia Tariq “Efficacy of <i>Beauveria bassiana</i> against adult grasshopper’s pest” (2023)
56. Amna Hamid “Toxicity of <i>Beauveria bassiana</i> against nymphal stages of grasshopper’s pest” (2023)
57. Ayesha Iqbal “Systematic study of Earwings (Dermaptera) from Sahiwal District” (2023)
58. Faria Abbasi “Efficacy and the potential persistence of <i>Metarhizium anisopliae</i> against various species of Locust” (2024)
59. Syeda Laraib Jaffery “Dietary influence on the developmental stages of Phaneropterinae (Tettigoniidae: Ensifera), Hyderabad” (2024)
60. Mohsin Ali “Toxicity of natural insecticides on various life stages of rice pests of Oxyinae (Acrididae: Orthoptera)” (2024)
61. Romana Arshad “Distribution of Family Tenebrionidae (Coleoptera) from Cholistan Desert” (2024)

62. Rabia Khalil “Life history statics of <i>Pokilocerus pictus</i> (Orthoptera Pygomorphidae) in Cholistan desert. Desert” (2024)
63. Shamsa Kanwal “A systematic study on Mole Crickets (Gryllotalpidae: Ensifera) from Bahawalpur” (2024)
64. Iqra Ajmal “Seasonal variation in Orthopteran Diversity a case study in Rainy Season in Cholistan. Desert” (2024)
65. Abu Bakar “Efficacy of insecticides on Thrips and Whitefly in Cotton varieties across Bahawalpur District. Desert” (2024)
66. Muhammad Younus “Identification of DNA origins of Donkey and Pork species in Cow minced meats by Rapid Multiplex PCR. Desert” (2024)
67. Maria “Invasion of different pest species in cotton field from Sanghar district” (2025)
68. Eisha Tir Razia “Study on Morphological Differences in Earwigs (Dermaptera: Orthoptera) of Bahawalpur” (2025)
69. Barrera Khan “Observations on Morphological Characteristics in <i>Gryllotalpa</i> (Orthoptera: Gryllotalpidae) from Cholistan Desert” (2025)
70. Zara Choudhary “Comparative Study on the Occurrence of some Selective Caeliferans in Cholistan Desert” (2025)
71. Laiba Kainat “Study on the Life Cycle of Earwigs (Dermaptera: Orthoptera) under Laboratory Conditions” (2025)
72. Sonia Hameed “Study on Cryptic Species of Gryllidae (Orthoptera) from Lodhran” (2025)
73. Samreen Zubair “Observations on Seasonality and Wing Dimorphism in Mole Cricket <i>Gryllotalpa</i> (Orthoptera: Gryllotalpidae)” (2025)
74. Nimrah Sultan “Systematic Study on Field Crickets (Orthoptera: Gryllidae) of the Cholistan Desert” (2025)
75. Muhammad Zeshan “Study on the Life Cycle of the Akk Grasshopper <i>Poekilocerus pictus</i> (Orthoptera: Pyrgomorphidae) from Cholistan Desert” (2025)
76. Furqan Al Hussain Bugti “Phylogeny of Scelio (Scelionidae: Hymenoptera) based on cytochrome c oxidase I.(2025)
77. Babul Mahar ” Systematic study and habitat analysis of mole crickets (Orthoptera: Gryllotalpoidea: Gryllotalpidae) in Sindh” (2025)
78. Faiza Lashari “An exploration of the paleoarctic fauna of acrididae (Orthoptera) in Balochistan, Pakistan (2025)
79. Afsa “Diversity and species distribution of spathosterninae (Acrididae: Orthoptera) in Sindh” (2025)
80. Adeel Khan Study on nymphal density and life history, statistics of genus gryllus (Gryllinea, Gryllidea) in Hyderabad Division. 2026
81. Yousra Qaimkhani Behavioural study of house Cricket (<i>Acheta domesticus</i>) under laboratory conditions 2026

PRESIDED TECHNICAL SECTION IN CONGRESS

1. 43 rd Congress of Zoology (International) at University of Okara, Okara. (2025)	Chair
2. 2nd international congress plant protection Sciences ICPPS-2025 April 09-10. Faculty of Crop Protection Sindh Agriculture University Tandojam	Chair
3. 1st International Conference on (ICADWE-2025) Agriculture Development & Women Empowerment Challenges, Way Forward held on to 15 th -16 th 2025 at Sindh Agriculture University, Tandojam (2025)	Chair

4. 42 nd Congress of Zoology (International) at Muzaffarabad University King Aziz Campus AJK (2024)	Chair
5. 41 st Congress of Zoology (International) at Punjab University Lahore (2023)	Chair
6. 5 th International conference on applied Zoology (ICAZ) 17th- 18th October (2022)	Chair
7. 7 th International Conference on climate Smart Agriculture: Innovations and adaptations University of Poonch Rawalakot. Hune 15-17, (2022)	Chair
8. First International Congress on Plant Protection Agriculture University Tandojam 29th- 30th March (2022)	Chair
9. First virtual Pakistan congress of zoology. 40th Pakistan congress of zoology (international). Co-Chair plenary section. March 10th -12th (2020)	Co-Chair
10. 4 th International conferences on agriculture, food, and Animal sciences, at Sindh Agricultural University Tandojam. (2020)	Chair
11. 40 th Congress of Zoology (International) at Sindh Agricultural University Tandojam (2022)	Chair
12. 39 th Congress of Zoology (International) at Islamia College Peshawar (2021)	Chair
13. 38th Congress of Zoology (International) at Punjab University Lahore, Punjab (2020)	Chair
14. 6 th Entomopathogens and Microbial Control Congress Tokat, Turkey (2018)	Chair
15. 19 th International Conference on Advances in Entomology at Vienna, Austria. (2017)	Chair
16. 37 th Congress of Zoology (International) at G.C. University Faisalabad. (2016)	Chair
17. 36 th Congress of Zoology (International) at University of Sindh, Jamshoro (2015)	Co-Chair
18. 35 th Pakistan Congress of Zoology (International) University of Karachi, Karachi (2014)	Co-Chair
19. 34 th Pakistan Congress of Zoology (International) Bahauddin Zakariya University (2013)	Co-Chair
20. 33 rd Pakistan Congress of Zoology (International at Pakistan Museum of Natural History (PSF) & PMAS Arid Agriculture University Rawalpindi. (2012)	Co-Chair

INVITED SPEAKERS IN WEBINARS/ CONGRESS 2020-2023

1. Could entomophagy be an effective source for protein consumption in humans? Edible Insect Development Forum in Lancang-Mekong Cooperation Countries·Guiyang·2022.8.23-24.
2. Climate Change and Locust Swarm in the South-West Asia Regions. International Webinar on Environmental Crisis and Human Approach 17th & 18TH July 2020 Organized by Department of Zoology, Govt. Women College Anantnag Jammu Kashmir.
3. Locust Disaster and its Preventative Management in Sindh Pakistan. "Current Scenario of R&D on Locust Management: Pakistan Perspective", held on 09.07.2020 at Faculty of Agriculture & Environmental Sciences Muhammad Nawaz Shareef University of Agriculture, Multan, Pakistan.

INVITED SPEAKER IN CONGRESS

1. "Global Orthoptera Trends: Overcoming Challenges and Shaping the Future" 43 rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025 .
2. On the current classification and recent innovations in Ensifera (Orthoptera) with an Emphasis on Phylogenomic. 2nd international congress plant protection Sciences ICPPS-2025 April 09-10.Faculty of Crop Protection Sindh Agriculture University Tandojam

3. "Fascinating Status of Pygmy Grasshoppers (Tetrigidae) in a Changing Orthoptera World" 1 st International Conference on (ICADWE-2025) Agriculture Development & Women Empowerment Challenges, Way Forward at Sindh Agriculture University, Tandojam. February 15th-16th 2025
4. "New Trends in Sustainable Locust Management in Pakistan: Could Microbials Prove to Be the Best Remedy?" International Bhurban Conference on Applied Sciences & Technology (IBCAST) at PC Hotel Bhurban Murree. August 20-24, 2024
5. "Sub-Social and Burrow Excavating Behavior of Schiodactylus (Orthoptera: Ensifera: Schizodactylidae) From Pakistan" GC University, Lahore. October 11-12, 2023
6. "Extinction crisis of orthoptera: strategic conservation plan and prospects". Pakistan Congress of Zoology held in Punjab University Lahore. March 16-18, 2023
7. "Innovative tools in Pest Management: A way forward for Food & Environment Security in Pakistan". Cholistan University of Veterinary and Animal Sciences, Bahawalpur. January 6-7, 2023 .
8. "Biodiversity and Conservation of Orthoptera in times of global change in Pakistan". 5th international conference on applied Zoology (ICAZ) October 17 th - 18 th , 2022 .
9. "Historical Swarming of Locust in Pakistan: Causes and Control Strategies". 40th Pakistan Congress of Zoology (International) at Sindh Agricultural University Tandojam 10th -12th 2020 (held in 14th, 17th -19th), 2021 .
10. "Seasonal distribution and reproduction of desert locust Schistocerca gregaria (Forsk.) (Cyatocanthacridinae: Acrididae: Orthoptera)" Training Workshop on Desert Locust Survey, Control and Strategy at Bahawalpur organized by FAO. August 23-24, 2019 .
11. "Defense Mechanism and Mating Strategies in various Pest species of Orthoptera". 1st International Conference on Applied Zoology at Government College University, Faisalabad, October 10-11, 2018 . p- 23.
12. "Outstanding Characteristics of Some Classic Orthopteroid Species from Pakistan" 38th Pakistan Congress of Zoology (International) at University of the Punjab, Lahore, February 27- March 1, 2018 . p- 7.
13. "Application of Entomopathogenic Fungi for Insect Pests Control" 6th International Entomopathogens and Microbial Control Congress at Gaziosmanpasa University, Tokat, Turkey. 14-16 September 2017 . P- 24.

INVITED SPEAKER IN TRAINING AND WORKSHOP

1. "Community Matrix Analysis of Orthoptera in the Varied Deserts of Pakistan" Invitation to Two-Day Workshop on Desert Biodiversity and Sustainable Ecosystems at CUVAS, Bahawalpur (26th-27th September –2024).
2. "National training workshop on X-Ray Diffractometer (XRD) and Scanning Electron Microscope (SEM)" at center for pure and applied Geology University of Sindh 15th March- 2022
3. "Training workshops on desert locust biology, surveillance & control Strategy" at Islamia University, Bahawalpur 07 th -09 th July 2021 .

RESEARCH PROJECTS AWARDED

1. Exploring the Diversity of Desert in Pakistan. National Geographic Society NGS-72340 R-20. \$11707.00/= 1 year (Completed). (international)
2. Biodiversity and partial molecular characterization of Orthopteran species from Thar, Sindh (PI) HEC No. 6737/Sindh/NRPU/R&D/HEC/2015 PAK Rs. 2931108/= 3 years (Completed)
3. Taxonomy of Tettigoniodea (Ensifera) of Sindh (PI) PSF/Res/S-SU/ Bio (423) 1001520/= 2 years (2011-2013) (Completed)

4. Studies on the Entomo-pathogenic fungi and other parasites associated with natural population of <i>Hieroglyphus</i> species (Hemiacridinae: Acrididae: Orthoptera) from Pakistan (PI) HEC No.20-1762 / R&D/10 PAK Rs. 8,37000/= 2 years 2011-2013) (Completed)
5. Olfactory Response and Host Plant Feeding Preferences of Desert Locust to Common Plants in Punjab Province of Pakistan HEC/GCF-290 (Co-PI) 2021 (Completed)
6. Prioritizing potential applicability of Scelio to combat the desert locust problem. Project no 14787/nrpu/r&d/hec/2022 (Completed) .
An urgent call to action for dune crickets (Schizodactyloidea): First IUCN Red List Assessments for an ancient group of Orthoptera in Pakistan. SSC Internal Grant! SMA-G00-GG-0000001463
7. (on going) International/ USA

DISCOVERY TO SCIENCES

1. <i>Leionotacris beshamensis</i> Sultana & Wagan, 2003 (PJZ)
2. <i>Sphingonotus (Sphingonotus) sindhensis</i> Bughio, Wagan & Sultana, 2011 (PJZ)
3. <i>Hieroglyphus akbari</i> Sultana & Wagan, 2012 (PJZ)
4. <i>Hilethera balocha</i> Bughio, Sultana & Wagan, 2012 (JCAB)
5. <i>Sathrophyllia saeedi</i> Sultana, Panhwar, Wagan & Khatri, 2014 (Zookeys)
6. <i>Tettigonia chitralensis</i> Sultana, Panhwar & Wagan, 2015 (Zookeys)
7. <i>Oxya kashmorensis</i> Sultana, Soomro & Wagan, 2020 (Zookeys)
8. <i>Modicogryllus sindhensis</i> Sultana, Sanam, Kumar, Shamsudeen, Soomro 2021 (Zookeys)
9. <i>Holochlora? Sp. nov.</i> Sanam Sultana, Bughio, Sanam, 2021 (JAST)
10. <i>Omorgus (Afromorgus) riffati</i> Waseem, Kumar, Sultana, 2023 (PJZ)

POST-DOCTORAL FELLOWSHIP & TRAVEL GRANTS RECEIVED AWARD

1. Awarded HEC Islamabad Post-Doctoral Fellowship for the USA. 2023
2. China Hangzhou Training Ministerial Workshop on Forestry Sustainable Development for BRI Countries. China No.0652/2019. 18-28 Sept. 2019. Fully funded by China Govt.
3. ICO 2019 Congress at Morocco Orthopterist's Society Visit website. 24-28 March 2019. Fully funded by the Orthopteran Society.
4. ESA Meeting: Vancouver/Canada HEC NO.300.294/TG/R&D/HEC/2018/27391. 11-14 Nov 2018. Fully funded by Higher Education Commission, Islamabad, Pakistan
5. 6th International Congress Entomopathogenic: Tokat/ Turkey HEC NO. 274. 77/TG/R&D/HEC /2017/22800.12-16-Sept.2017.Fully funded by Higher Education Commission, Islamabad, Pakistan
6. 2nd GCE Congress: Kuching/ Malaysia. HEC NO.185.146/TG/R&D/HEC/2013/79 8-12 Nov 2013. Fully funded by Higher Education Commission, Islamabad, Pakistan

MEMBER OF PROFESSIONAL SOCIETIES

1. Member of IUCN SSC Grasshopper Specialist Group.
2. Convener, Board of Studies, Department of Zoology, updated in December 2025
3. Member of senate University of Sindh 2023- up date
4. Member Faculty of Science 2022 to update
5. Member of Pakistan Society of Plant Protection. http://pp.science.org.pk
6. Member of executive council of Sindh Science Society from 2013-2019.
7. Life fellow of Zoological Society of Pakistan.
8. Member of American Association for Science and Technology
9. Member of The Orthopterists' Society

10. Member of Pakistan Entomology Society of Pakistan
11. Member of Sindh Entomology Society of Pakistan
12. Member of pakentomology@yahoogroups.com
13. Member of International Society for Pest Information (ISPI), Germany
14. Member National Academy of Young Scientists Pakistan
15. Member pollination network http://www.pollination.org.pk/
16. Member Board of Faculty of Natural Sciences 2022-2024
17. Member of executive council of Zoological Society of Pakistan for year 2012-2016.
18. Member Academic council Senate University of Sindh 2023 to update
19. Joint secretary (South) Pakistan Zoological Society for year 2017-2026.

HONORS AND AWARDS

1. Recipient of Zoologist of the year 2024 of ZSP.
2. Recipient of Prof. Dr. Mirza Azhar Beg Gold Medal 2023 . In Biodiversity.
3. Recipient of Prof. Dr. Anjum Suhail Memorial 2022 . 4 th Gold Medal in Entomology.
4. Recipient of Prof. Dr. I. Ahmed Gold Medal 2018 for performing outstanding research contribution in field of entomology as youngest scientist
5. Recipient of Chancellor Gold Medal 2018 for performing outstanding research contribution in field of Biological Science
6. Focal Person for Sindh Province-Pakistan by IBOL (International Barcode of Life) University of Guelph, Guelph, Ontario, Canada. 2018-update
7. Deputed by Ministry of Food Security, Islamabad as a Sindh Provincial focal person for the Management of Locust infestation in Sindh, Pakistan. 2019-update
8. Received Competitive Research Grant award from Governor of Sindh 2017.
9. Received Research Incentive Award (2011-2012) from University of Sindh.
10. Reviewer Sindh Textbook Biology Class-XI-XII.
11. HEC approved supervisor for Ph. D studies 2010-update
12. Received Pepsi Merit Scholarship 1993 award for outstanding students in Sindh

ACADEMIC DISTINCTION

The Zoological Society of Pakistan instituted the Prof. Dr. Riffat Sultana Gold Medal in Systematics and Applied Entomology in recognition of her distinguished services.

ACADEMIC / ADMINISTRATIVE COMMITTEES

1. MEMBER AFFILIATED COLLEGE COMMITTEE 2026-2028

MUSEUM VISITED

1. Insects Museum A & M University, USA
2. National History Museum Kuching, Sarwak, Malaysia
3. Natural History Museum NARC, Islamabad
4. Natural History Museum PSF, Islamabad
5. Entomology Museum University of Karachi, Karachi
6. PARC Museum, Karachi

7. NIA Museum, Tandojam

ONGOING RESEARCH

1. Biodiversity of Orthopteran species in Pakistan
2. Biopesticides trails against locust and grasshoppers in Pakistan
3. Systematic, Biology and Ecology of various Orthopteran species
4. Introduction of eco-friendly agents against pest
5. <i>CO1</i> gene identification of Orthoptera of Pakistan
6. <i>AI</i> in insect sciences.

M.PHIL. & PH.D. EXTERNAL EXAMINER

1. University Putra Malaysia	International
2. Bharathiar University India	International
3. Federal Urdu University for Science & Technology, Karachi	National
4. University of Karachi, Karachi	National
5. Sindh Agriculture University, Tandojam	National
6. Shah Abdul Latif University, Khairpur	National
7. University of Balochistan, Quetta	National
8. SBK Women University, Quetta	National
9. University of Punjab, Lahore	National
10. Cholistan University of Veterinary and Animal Sciences , Bahawalpur	National
11. Hazara University, Mansehra	National

UNDERGRADUATE RESEARCH PROJECTS

1. Systemic review of earwigs(dermaptera) and their evidence in district Jamshoro (2025)
2. Assessing Field Density of Chrotogonus (Pyrgomorphidae: Orthoptera) in Jamshoro (2025)
3. Comparative analysis of domestic and field crickets (Gryllidae: Ensifera) in Hyderabad (2025)
4. Generalized diversity of insect fauna of kotri bridge district Jamshoro (2024)
5. Taxonomy and diversity of Gomphocerinae (Acraeae) of Jamshoro (2024)
6. Spread of Malaria after flood a case study from service hospital. (2022)
7. Incidence of fall army worm in the fodder crops (2022)
8. Investigation of agricultural pests in the field in various Districts of Sindh. (2021)
9. Diversity of <i>Poekilocercus pictus</i> in District Umerkot and its vicinities. (2021)
10. Infections of different borers in Sugarcane field. (2020)
11. Recent outbreak of desert locust <i>Schistocerca gregaria</i> (Forskal) (Cyrtacanthacridinae: Acrididae: Orthoptera) in Sindh. (2019)
12. Systematic study of subfamily Oedipodinae (<i>Locusta migratoria</i>) in Jamshoro. (2018)
13. Incidence of Pyrgomorphidae in District Jamshoro. (2017)
14. Incidence of <i>Schiozdactylus</i> in Hussianabad, Hyderabad. (2016)
15. Studies on the distribution of short horned grasshoppers (Orthoptera). (2015)
16. Study on the infestation of <i>Bactrocera zonata</i> (Saunders) on guava fruit from Hyderabad region. (2014)
17. Systematic study and economic importance of <i>Poekilocercus pictus</i> (Fabricus, 1775) from District Jamshoro. (2013)
18. Preliminary studies on the occurrence of Orthoptera from district Jamshoro. (2012)
19. Studies on the immature stages of <i>Oxya velox</i> (Fabricius) a rice grasshopper from District Jamshoro. (2011)

PUBLICATIONS IN WEB OF SCIENCE

1. Brohi, UM, Khatri I, Gilal A.A & **SULTANA R. 2026**. Biodiversity and Host Plant Associations of Cryptocephalinae Leaf Beetles (Coleoptera: Chrysomelidae) Across Agroecological and Natural Habitats of Sindh, Pakistan. *Plant Protection*, 10 (01) 2026. 57-66. DOI:10.33804/pp.010.01.5830
2. WASEEM M., KUMAR S., **SULTANA R.**, BABOO I. AND MANZOOR Z. (2026). Three new records of Scarabaeinae (Coleoptera: Scarabaeidae) from South Punjab's arid zone, Pakistan. *Journal of Animal and Plant Sciences*, 36(2): 1-12 <https://doi.org/10.36899/JAPS.2026.2.0036> (IF-0.6)
3. Talpur, S, A, **SULTANA R. (2025)** A Systematics and Comparative Analysis of Life History Traits in Two Cricket Species, *Acheta domesticus* (Linnaeus, 1758) and *Grylloides supplicans* (Walker, 1859) (Gryllidae: Orthoptera) *Plant Protection*, 09 (03) 2025. 493-504 DOI:10.33804/pp.009.03.5728
4. JAKHRANI, M.A., **SULTANA, R.**, KUMAR, S., BALOCH, N. (2025). Recent incidence of *Hieroglyphus oryzivours* (Hemiacridae: Acrididae: Orthoptera) in various Districts of upper Sindh Pakistan. *Journal of Wildlife and Biodiversity*, 9(1): 220-233.
5. **SULTANA R & SONG H. (2024)**. Annotated catalogue of Pakistani Acrididae (Orthoptera: Caelifera: Acridoidea). *Zootaxa* 5486 (1): 001–047. <https://doi.org/10.11646/zootaxa.5486.1.1>
6. MEMON A.N., BALOCH N. **SULTANA R. (2024)**. Study on genus *Heteracris*, Walker, 1870 (Eyreopcnemidinae Acrididae) from middle Sindh Pakistan. *Journal of Wildlife and Biodiversity* 8(4): 1-18.
7. MUNTHA, ST, BALOCH N, **SULTANA R. (2024)**. Taxonomic and Distributional Data of Family Chrysomelidae (Coleoptera) Sindh, Pakistan. *Journal of Advanced Zoology*, 45 (6): 118 – 122.
8. SOOMRO Q.A. SOHAIL M. **SULTANA R. HUSSAIN N.K. MEMON R. M. (2024)**. Population Dynamics of Sucking Insect Pest and Predator, *Chrysoperla carnea* in Transgenic BT Cotton and Non-BT Cotton Varieties. *Pakistan J. Zool.*, pp 1-6, 2023. (2024). DOI: [https:// dx.doi.org/ 10.17582/ journal/ 20211231101251](https://dx.doi.org/10.17582/journal/20211231101251).
9. SHAH R, **SULTANA R. (2024)**. Unveiling the diversity of mating rituals among Acrididae (Orthoptera) of Pakistan. *Journal of Wildlife and Biodiversity* 8(3): 175-194.
10. BHANGER N. **SULTANA R. BALOCH N. KUMAR S. (2024)**. Taxonomic insights and geographic distribution of Gryllidae (Gryllinae: Orthoptera) in Sindh Pakistan. *Journal of Wildlife and Biodiversity* 8(2): 1-15.
11. BOZDAR M.I, **SULTANA R, SOOMRO. F, BABAR A.A. (2024)**. Exploring the diversity of Acridomorpha in Mehrano Forest from Khairpur Mirs. *Journal of Wildlife and Biodiversity* 8(1): 402-420
12. KALHORO, A.S, BALOCH, N, **SULTANA R. (2024)**. Studies on *Schistocerca gregaria* (Cyrtacanthacridinae: Acrididae: Orthoptera) from Taluka Dadu Sindh-Pakistan. *Journal of Wildlife and Biodiversity* 8(3): 121-133.
13. SOOMRO.F. D. **SULTANA, R. SOOMRO. S, FATIMA, S, SOOMRO, N.S, LARIK S.A, AND AFGHAN A.A (2024)**. Taxonomy of subfamily Tenebrioninae (Latreille 1802) and Pimeliinae (Latreille 1802) Coleoptera: Tenebrionidae with new record from Sindh, Pakistan. *Agriculture Science Digest* pp-1-8.
14. SAMIULLAH S, **SULTANA R. (2024)**. Taxonomic and morphological studies on the genus *Chrotogonus* Serville, 1838 (Pyrgomorphidae: Orthoptera) from Pakistan, with reference to their habitats. *Baghdad Science Journal (Baghdad Sci. J.) Accepted*
15. WASEEM M. KUMAR S AND **SULTANA R. (2024)**. A New Species of the Sub-Genus *Afromorgus* (Trogidae: Scarabaeoidea) from Cholistan Desert, Pakistan. *Pakistan J. Zool.*, pp 1-7, 2023. DOI: <https://dx.doi.org/10.17582/journal.pjz/20230330060326>.

<p>16. SULTANA R, LAL, M, SAMIULLAH S, KUMAR S, SAMEJO, A.A (2024). Biodiversity and Systematic Status of band-winged grasshoppers, Oedipodinae Walker, 1871 (Orthoptera: Acrididae) from Thar Desert, Pakistan J. Zool., vol. 56(1), pp 307-321, 2024 DOI: https://dx.doi.org/10.17582/journal.pjz/20220301100328 [IF 0.831].</p>
<p>17. ASHFAQ, M., KHAN, A.M., RASOOL, A., AKHTAR, S., NAZIR, N., AHMED, N., MANZOOR, F., SONES, J., PEREZ, K., SARWAR, G., KHAN, A.A., AKHTER, M., SAEED, S., SULTANA. R., TAHIR, H.M., RAFI, MA., IFTIKHAR, R., NASEEM, M.T., MASOOD, M., TUFAIL, M., KUMAR, S., AFZAL, S., MCKEOWN, J., SAMEJO, A.A., KHALIQ, I., D'SOUZA, M.L., MANSOOR, S. AND HEBERT, P.D.N. (2022). DNA barcode survey of insect biodiversity in Pakistan. PeerJ, DOI 10.7717/peerj.13267[IF 2.984].</p>
<p>18. SULTANA R, SURRIYA S., KUMAR S, SHEIK M. R., FAKHRA S. (2021). A review of Gryllidae (Grylloidea) with the description of one new species and four new distribution records from the Sindh Province, Pakista. ZooKeys 1078: 1–33 (2021) doi: 10.3897/zookeys.1078.69850 https://Zookeys, pensoft.net. [IF: 1.546].</p>
<p>19. SULTANA R, KUMAR S. , SAMEJO A.A, SOOMRO S. LECOQ, M. (2021). The 2019–2020 upsurge of the desert locust and its impact in Pakistan. Journal of Orthoptera Research, 2021, 30(2): 145–154. [IF 0.74].</p>
<p>20. Kumar, S., Sultana, R. and Husemann, M. (2022). Extended List of Orthoptera Fauna of Cholistan Desert (Punjab, Pakistan). <i>Pakistan Journal of Zoology</i>, 54(4), 1947-1949. [IF 0.831].</p>
<p>21. SULTANA R., SOOMRO, S, MA, C. (2021). Molecular Identification of Chrotogonus spp. (Pyrgomorphidae: Caelifera: Orthoptera) Pakistan Journal of Zoology, Pakistan J. Zool., pp 1-4, 2021. DOI: https://dx.doi.org/10.17582/journal.Pakistan Journal of Zoology/2019082617081. [IF 0.831].</p>
<p>22. SAMEJO A.A, SULTANA R, KUMAR S., AND SAMIULLAH S. (2021). Could Entomophagy Be an Effective Mitigation Measure in Desert Locust Management? <i>Agronomy</i>, 11, 455. [IF 3.336]</p>
<p>23. TARIQ M. K, RAFI M. A, SULTANA R, MUNIR, A AND AHMAD. S. (2020). Diversity and bio- geography of subfamily eumeninae (vespidae: Hymenoptera) in Sindh Pakistan. <i>Pakistan Journal of Zoology</i>, 1-7 http://dx.doi.org/10.17582/journal.pjz/20200315080305 [IF 0.831].</p>
<p>24. SANAM, S., SULTANA R, BUGHIO B.A., AND SANAM S. (2021). A Review of the Tettigoniidae Krauss, 1902 (Tettigoniioidea: Ensifera: Orthoptera) with a New Species from Pakistan. <i>Journal of Agricultural Science and Technology A</i>, 11: 1-21. Doi: 10.17265/2161-6256/2021.01.001. [IF 1.098].</p>
<p>25. SULTANA R, SOOMRO.N, KUMAR.S, AND SAMAJO AA. (2021). Comparison of Mating Behavior of four species of Oxyinae (Acrididae: Orthoptera). <i>Pakistan Journal of Zoology</i>, 53(3):1181-1184. [IF 0.831].</p>
<p>26. XIN ZHANG, WEI RAN, JIN ZHANG, MENG YE, SONGBO LIN, XIWANG LI, SULTANA R, AND XIAOLING SUN. (2020). Genome-Wide Identification of the Tify Gene Family and Their Expression Profiles in Response to Biotic and Abiotic Stresses in Tea Plants (<i>Camellia sinensis</i>). <i>International Journal of Molecular Sciences</i>, 21, 8316: 1:15. [IF 5.542].</p>
<p>27. SULTANA R, SOOMRO.N, KUMAR.S, SAMEJO AA. AND SOOMRO, S. (2020). A Comparative Study of the Egg-pod Morphology in two genera of Oxyinae (Acrididae: Orthoptera) <i>Pakistan Journal of Zoology</i>, 52(4):1327-1332. [IF 0.831]</p>
<p>28. SULTANA R., SOOMRO.N AND WAGAN, M.S. (2020). Description of new species with comparison to close allies (Oxyinae: Acrididae: Orthoptera). <i>Pakistan Journal of Zoology</i>, pp 1-6. [IF 0.831]</p>
<p>29. SULTANA R. (2019). A new genus <i>Schizocomicus</i> (Schizodactyloidea: Ensifera) from Sindh Pakistan" <i>Pakistan Journal of Zoology</i>, 51(5): 1693-1697. [IF 0.831]</p>
<p>30. SAMEJO. A AND SULTANA R, (2019). Morphology of immature stages of <i>Schistocerca gregaria</i> with special references to its size variations. <i>Pakistan Journal of Zoology</i>, 51(4): 1221-1226. [IF 0.831]</p>

<p>31. SOOMRO, F. SULTANA R, AND WAGAN M.S (2019). Comparative study on the nymphal stages of two Spthingonotus species (Acrididae: Oedipodinae). Pakistan Journal of Zoology, 51(4): 1379-1386. [IF 0.831]</p>
<p>32. SULTANA, R., PANHWAR, W.A. AND WAGAN, M.S. (2017). Key to the Tribes and Genera of Tettigonioidae (Orthoptera) of Pakistan. Pakistan Journal of Zoology. 49(3): 1127-1130. [IF 0.831]</p>
<p>33. SHAH, S.W., RAFI, M.A., ZIA, A. AND SULTANA, R. (2016). The biogeography of pierids butterflies (Lepidoptera: Pieridae) in Potohar region of Pakistan. Oriental Insect, pp. 92-107. [IF 0.64]</p>
<p>34. SULTANA, R., PANHWAR, W.A. AND WAGAN, M.S. (2015). Description of New Species of Tettigonia (Tettigoniinae: Orthoptera) from Pakistan. Pakistan Journal of Zoology, 47(5): 1361-1364. [IF 0.831]</p>
<p>35. SULTANA, R, SOOMRO, I., WAGAN, M.S. AND PANHWAR, W.A. (2015). Studies on the Reproductive Activity of Poekilocerus pictus (Fabricus, 1775) (Pyrgomorphidae: Acridoidea: Orthoptera). Pakistan Journal of Zoology, 47(3): 739-743. [IF 0.831]</p>
<p>36. SULTANA, R, PANHWAR, W.A., WAGAN, M.S. AND KHATRI, I. (2014). Systematic status of true katydids Sathrophyllia (Orthoptera, Tettigonioidae, Pseudophyllinae) from Pakistan, with description of two new species. ZooKeys, 466: 1-11. [IF 1.546]</p>
<p>37. PANHWAR, W.A., SULTANA, R., WAGAN, M.S., KHATARI, I. AND KUMAR, S. (2014). Systematic study on the various Tribes of Phaneropterinae (Tettigonioidae: Orthoptera) occurring in Pakistan. Pakistan Journal of Zoology, 46(1): 203-213. [IF 0.831]</p>
<p>38. RUSTAMANI, M.A., KHATRI, I SULTANA, R. AND LAGHARI, M.H. (2014). Population Fluctuation of Red Flour Beetle, Tribolium castaneum (Herbst.) (Coleoptera: Tenebrionidae) on Different Cereal Foods in Laboratory. Pakistan Journal of Zoology, 46(6): 1511-1514. [IF 0.831]</p>
<p>39. KHATRI, I., SHAIKH, A. A., SULTANA, R., WAGAN M.S. AND AHMED, Z. (2014). Effect of Some Insect Growth Regulators against Gram Pod Borer Helicoverpa armigera (Hb.) On Chickpea Cicer arietinum (L.) under Laboratory Conditions. Pakistan Journal of Zoology, 46(6): 1537-1540. [IF 0.831].</p>
<p>40. KHATRI, I. RUSTAMANI, M.A, AHMED Z, AND SULTANA R, (2014). Genus Exitianus (Auchenorrhyncha, Cicadellidae, Deltocephalinae and Chiasmini) in Tando Jam, Sindh, Pakistan. Journal of Insect Science, 14: (235). [IF 1.607]</p>
<p>41. CHANNA, S.A SULTANA, R. AND WAGAN, M.S. (2013). Morphology and Burrowing Behaviour of Schizodactylus minor (Ander, 1938) (Grylloptera: Schizodactylidae: Orthoptera) of Pakistan. Pakistan Journal of Zoology, 45(5): 1191-1196. [IF 0.831]</p>
<p>42. KHATRI, I., RUSTAMANI, M.A., ZUBAIR, A., SULTANA, R. AND SAHAR, Z. (2013). Host Records of Typhlocybae (Auchenorrhyncha: Hemiptera: Cicadellidae) of Zoological Museum, University of Karachi, Pakistan. Pakistan Journal of Zoology, 45(5): 1263-1271. [IF 0.831]</p>
<p>43. SULTANA, R. YAWAR, S.W. AND WAGAN, M.S. (2013). Orthopteran biodiversity of Thar Desert, Sindh, Pakistan. Pakistan Journal of Zoology, 45(2), pp. 299-304. [IF 0.831]</p>
<p>44. SULTANA, R. AND WAGAN, M.S. (2012). Review of genus Hieroglyphus Krauss 1877 (Hmiacridinae: Acrididae: Orthoptera) with description of one new species from Pakistan. Pakistan Journal of Zoology, 44(1): 43-51. [IF 0.831]</p>
<p>45. SULTANA, R. YAWAR, S.W. AND WAGAN, M.S. (2012). Effects of macro-parasitic mite Eutrombidium trigonum (Hermann) on the life history characteristics of Hieroglyphus species from Sindh Pakistan. African Journal of Microbiology Research, 6(19): pp. 4158-4163 [IF 0.875]</p>
<p>46. SULTANA, R. AND WAGAN, M.S. (2011). Test of few insecticides against the various developmental stages of Hieroglyphus Species (Hemiacridinae: Acrididae: Orthoptera). Pakistan Journal of Zoology, 43(5): 941-946. [IF 0.831]</p>
<p>47. CHANNA, S.A., SULTANA, R. AND WAGAN, M.S. (2011). Studies on the Immature Stages and Burrow Excavating Behavior of Schizodactylus monstrosus (Drury) (Grylloptera: Grylloidea:</p>

Schizodactylidae) from Sindh Pakistan. <i>African Journal of Biotechnology</i> , 10(12), pp. 2328-2333 [IF 0.657]
48. SULTANA, R. AND WAGAN M.S. (2010). The effects of various host plants on nymphal development and egg production in <i>Hieroglyphus perpolita</i> (Uvarov) (Hemiacridinae: Acrididae: Orthoptera). <i>Tropical Zoology</i> , 23: 1-8. [IF 1.077]
49. SULTANA, R. AND WAGAN, M.S. (2010). Comparative study on the immature stages of three <i>Hieroglyphus</i> species (Acrididae: Orthoptera) from Pakistan. <i>Pakistan Journal of Zoology</i> , 42(6): 809-816. [IF 0.831]
50. SULTANA, R. AND WAGAN, M.S. (2010). Systematic status and ecology of <i>Hieroglyphus perpolita</i> (Uvarov, 1932) (Acrididae: Orthoptera) of Pakistan. <i>Pakistan Journal of Zoology</i> , 42(6): 667-672. [IF 0.831]
51. SULTANA, R. AND WAGAN, M.S. (2009). Studies on morphology and ecology of grasshopper <i>Hieroglyphus oryzivorus</i> Carl, 1916 (Acrididae: Orthoptera) <i>Pakistan Journal of Zoology</i> , 41(4): 329-334. [IF 0.831]
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<p>1. SULTANA, R., Kumar, S, Guo J, Bhangar N, Sanam S, Mangi, A.H, Could Orthoptera unlocked Nutritional Potential for Humans and Livestock? <i>South Asian J. Zool.</i>, Vol. 43, Number 1, Pages 47-57, 2025. DOI: https://dx.doi.org/10.17582/sajz/2025/43.1.47.57</p>
<p>2. KUMAR, S. AND SULTANA. R. (2025). Scanning electron microscopy analysis and Bio-control potential of Entomopathogenic fungi against grasshoppers. <i>South Asian J. Zool.</i>, vol. 43(1), pp 37-45, 2025 DOI: https://dx.doi.org/10.17582/2025/sajz/43.1.37.45</p>

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<p>1. WAGAN, M.S. AND SULTANA, R., (2013). Biodiversity and Distribution of the Orthopteran insects of Pakistan. <i>Proceeding of Pakistan Congress Zoology</i>, 33: pp. 33-74</p>
<p>2. SULTANA, R., AND WAGAN, M.S. (2010). Super flood destroyed the natural habitat of many animals in Sindh Province. <i>Proceeding of 2nd International Conference of Biodiversity is our life Shah Abdul Latif University</i>. pp. 277-279</p>
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<p>1. SULTANA, R., (2025). Prioritizing potential applicability of Scelio to combat the desert locust problem. Project no 14787/NRPU/R&D/HEC/2022 (Final Technical Report submitted to HEC pp.1-143</p>
<p>2. SULTANA, R., (2022). Exploring the Diversity of Desert in Pakistan. National Geographic Society NGS-72340 R-20 (2020-2021)</p>
<p>3. SULTANA, R., (2020). Biodiversity and Partial Molecular Characterization of Orthopteran Species from Thar, Sindh. (HEC) NO. 6737/SINDH/NRPU/R&D/HEC/. Final Report submitted to HEC pp.1-500 (2018-2020).</p>
<p>4. SULTANA, R, (2015). Taxonomy of Tettigonioidae (Ensifera) of Sindh. PSF/Res/S-SU/ Bio (423) Final Report submitted to PSF pp.1-185 (2011-2013).</p>

5. SULTANA, R., (2013). Studies on the Entomo-pathogenic fungi and other parasites associated with natural population of <i>Hieroglyphus</i> species (Hemiacridinae: Acrididae: Orthoptera) from Pakistan. NO. 1762/SINDH/NRPU/R&D/HEC Final Report submitted to HEC pp. 1-129. (2011-2013).
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1.
2. SULTANA, R., 2024. Emerging strategies to combat locust and grasshoppers' management in Pakistan. Shandog Academy of Agricultural Sciences (SAAS) China.
3. SULTANA, R., 2023. One new species of the genus <i>Hieroglyphus</i> Krauss, 1877 (Orthoptera: Acrididae: hemiacridinae) from kashmor sindh, Pakistan. XIV international Congress of Orthopteralogy Oct.16-19-2023. Mérida, Mexico
4. KUMAR S. AND SULTANA, R., 2023. Rare sighting of <i>Poekilocerus pictus</i> in the arid Cholistan Desert of Punjab, Pakistan. Pakistan. XIV international Congress of Orthopteralogy Oct.16-19-2023. Mérida, Mexico.
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8. SOOMRO S AND SULTANA, R., 2023. Orthopteran biodiversity conservation in Pakistan: status and future strategies for sustainable management. XIV international Congress of Orthopteralogy Oct.16-19-2023. Mérida, Mexico.
9. SULTANA, R., Prevalence of oedipodinae (Acrididae: Orthoptera) from Thar Desert Sindh Pakistan. <i>13th International Congress of Orthopteralogy in Agadir, Morocco.</i> 18 th May, 2019. 163pp
10. SAMEJO A.A AND SULTANA, R., Factors affecting seasonal displacement of <i>Schistocerca gregaria</i> beteen Thar and Baluchistan, Pakistan. <i>13th International Congress of Orthopteralogy in Agadir, Morocco.</i> 18 th May, 2019. 171pp.
11. LAL. M. AND SULTANA, R., Study on the pygmy grasshoppers (Tetrigidea: Orthoptera) from Thar Desert, Sindh, Pakistan. <i>13th International Congress of Orthopteralogy in Agadir, Morocco.</i> <u>18th May, 2019.</u> pp249.
12. SAMIULLAH. S AND SULTANA, R, Comparative study on the surface and akk grasshoppers (Pyrogomorphidae: Orthoptera) from Sindh, Pakistan. <i>13th International Congress of Orthopteralogy in Agadir, Morocco.</i> 18 th May, 2019. 250pp
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15. SULTANA, R., Biodiversity of praying mantids (Dictyoptera: Mantodea) from Sindh, Pakistan”. <i>2nd Iranian International Congress of Entomology, University of Tehran College of Agriculture and Natural Resources, Iran.</i> September 2-4, 2017. p- 106.

<p>16. SULTANA, R, AND LAL, M. Diversity of caeliferan insects in Thar Desert, Sindh. <i>2nd Iranian International Congress of Entomology, University of Tehran College of Agriculture and Natural Resources, Iran.</i> September 2-4, 2017. p- 112.</p>
<p>17. SULTANA, R., AND KUMAR, S. Application of Entomopathogenic fungi for insect pests control. <i>6th International Entomopathogens and Microbial Control Congress at Gaziosmanpasa University, Tokat, Turkey.</i> 14-16 September, 2017.p- 24.</p>
<p>18. SULTANA, R., AND KUMAR, S. Natural control of Grasshopper by Entomopathogenic fungi in Pakistan has been presented in <i>Fundamental and Applied aspects of Forest Soil Science, VI All-Russian Scientific Conference with International Participation, Russia,</i> September 14-18, 2015. p- 176.</p>
<p>19. KUMAR, S. AND SULTANA, R., Entomopathogenic fungi associated with natural population of <i>Hieroglyphus perpolita</i> (Uvarov) in Pakistan has been presented in <i>Fundamental and Applied aspects of Forest Soil Science, VI All- Russian Scientific Conference with International Participation, Russia,</i> September 14-18, 2015. p-151-152.</p>
<p>20. SULTANA, R., WAGAN, M.S. AND WAHEED, A.P. Systematic study on the various tribes of Tettigoniinae (Tettigonioidea: Orthoptera) of Pakistan has been presented in <i>2nd Global Conference on Entomology at Kuching, Sarwak, Malaysia,</i> 8th-12th November 2013. p- 72.</p>
<p>21. BARKAT, A.B., SULTANA, R., AND WAGAN, M.S. Some studies on the taxonomic status of genus <i>Aiolopus</i> Fieber (Acrididae: Acridoidea: Orthoptera) from Pakistan has been presented in <i>2nd Global Conference on Entomology at Kuching, Sarwak, Malaysia,</i> 8th -12th November 2013. p-340.</p>
<p>22. SULTANA, R., PANHWAR, W.A. AND WAGAN M.S. Systematic status of Concephalinae (Orthoptera: Tettigonioidea) Ensifera of Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p-74-75.</p>
<p>23. SOOMRO, A.N., SULTANA, R., AND WAGAN, M.S. Studies on the parasitism of <i>Mermis nigrescens</i> Dujardin (Mermithida: Mermithidae: Nematoda) associated with paddy Grasshoppers in district Badin and its adjoining areas, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p- 74.</p>
<p>24. SOLANGI, F., SULTANA, R., AND WAGAN, M.S. study on the taxonomy of <i>Attractomorpha acutipenis</i> (G. Meneville, 1844) (Orthoptera: Acridoidea: Pyrgomorphidae) from upper Sindh, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p- 75.</p>
<p>25. SOOMRO. F., SULTANA, R., AND WAGAN, M.S. Preliminary observations on the distribution of Oedipodinae (Orthoptera: Acridoidea: Acrididea) from Nara desert Khairpur, Sindh, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p-75.</p>
<p>26. SOOMRO. I.A., SULTANA, R., AND WAGAN, M.S. Biology and Economic Importance of <i>Poekilocerus pictus</i> (Fabricus, 1775) (Pyrgomorphidae: Acridoidea: Orthoptera) from district Shikarpur, Sindh, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p-75-76.</p>
<p>27. SOOMRO. N., SULTANA, R., WAGAN, M.S AND ABBASI, A.R. Some observation on the incidence of Oxyinae (Orthoptera: Acrididae) from Sukkur division, Sindh, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p-76.</p>
<p>28. LARIK, S.A., SULTANA, R., AND WAGAN, M.S. Some studies on the Immature Stages of the <i>Acrida exaltata</i> (Acridinae: Orthoptera) from Sukkur Division, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu. India,</i> December 8th-9th, 2013. p-76.</p>
<p>29. KUMAR, S., SULTANA, R., AND WAGAN, M.S. 2013. Reduction in the faces production and food consumption by the three rice grasshoppers after infection with <i>Aspergillus</i> species from Badin</p>

Sindh, Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu, India</i> , December 8 th -9 th , 2013 . p-76.
30. PANHWAR, W.A., SULTANA, R. , AND WAGAN, M.S. 2013. Morphological description and distribution of tribe Trigonocoryphini (Orthoptera: Tettigoniodea: Phaneropterinae) from Pakistan. <i>Pakistan. 3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu, India</i> , December 8 th -9 th , 2013 . p-77
31. WAGAN. Y., SULTANA, R. , AND WAGAN, M.S. 2013. Study on the Natural Enemies of grasshoppers from Pakistan. <i>3rd International Science Congress ISC-2013 at Karunya University, Tamil Nadu, India</i> , December 8 th -9 th , 2013 . p-77.
32. SULTANA, R. , AND WAGAN, M.S. Comparative study on the immature stages of three <i>Hieroglyphus</i> species (Acrididae: Orthoptera) from Pakistan has been presented in <i>10th International Congress of Orthopterology, Antalya, Turkey</i> . 21-25 June 2009 . p- 82.
33. SULTANA, R. , AND WAGAN, M.S. Comparative study on the morphology of egg pods, egg development and hatching of three <i>Hieroglyphus</i> species (Acrididae: Orthoptera) has been presented in <i>XXIII International Congress of Entomology: ICE, Durban, South Africa</i> . 6 th -12 th July 2008 .
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2. KUMAR, S. AND SULTANA, R. , the Role of Entomopathogenic Fungi in IPM Program. <i>Sixth International Entomopathogens & Microbial Control Congress at Gaziosmanpasa University, Tokat, Turkey</i> , 14-16 September 2017 . p- 110.

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1. HUSSAIN, F.A. AND SULTANA, R. A Phylogenetic Analysis of <i>Scelio</i> (Scelionidae: Hymenoptera) Using Mitochondrial Cytochrome c oxidase I (COI). <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-56
2. DAS, J. AND SULTANA, R. Unveiling the Biocontrol Potential of <i>Scelio</i> (Platygastridae) in the Thar Desert, Sindh, Pakistan. <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-135
3. ABBASI, F. AND SULTANA, R. Effectiveness of <i>Metarhizium anisopliae</i> in Controlling <i>Schistocerca gregaria</i> , the Desert Locust. <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-135
4. JAKHRANI, M.M., SULTANA, R. AND KUMAR, S. Parasitism of Locust egg pods by <i>Scelio</i> in Sindh: Potential for sustainable pest management. <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-136
5. SOLANGI, B.K., SULTANA, R. AND MEHMOOD, S. Efficacy of different Botanicals against Aphid (<i>Aphis gossypii</i>) on Brinjal. <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-138
6. SIDIQUE, A., KUMAR, S. AND SULTANA, R. Efficiency of insecticides on Thrips and White fly in Cotton varieties across Muzaffargarh District. <i>43rd Congress of Zoology (International) at University of Okara, Okara</i> , June 23-25, 2025 . P-139

7. KUMAR, S. AND SULTANA, R. Optimizing Fungal Biological Control for sustainable management of Orthoptera pests in Pakistan. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-140
8. WASEEM, M., KUMAR, S. AND SULTANA, R. Beyond Ladybirds: The rise of a voracious predatory Beetle in Cholistan's Desert. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-140
9. JAKHRANI, M.A., SULTANA, R., KUMAR, S. AND BALOCH, N. Economic impact of <i>Hieroglyphus</i> (Orthoptera: Acrididae) in agricultural fields of Sindh, Pakistan. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-151
10. RAHEELA, S. AND SULTANA, R. Post-Copulatory Mating Rituals in Acrididae (Orthoptera): Insights into Sexual Selection. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-154
11. HYDER, S., SULTANA, R., KUMAR, S. AND BUGHIO, B.A. Morphological and Morphometric variations in Acrididae (Acridoidea: Orthoptera) across different regions of Sindh. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-155
12. SOOMRO, S. AND SULTANA, R. Diversity and Morphological Variation in Various Species of <i>Oxya Servill</i> , 1831 (Acrididae: Orthoptera) from Sindh. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-155
13. MEMON, S.P. AND SULTANA, R. Morphological Characterization of Pyrgomorphae (Caelifera: Pyrgomorphidae) from Hyderabad, Sindh. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-156
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16. JAMIL, M. AND SULTANA, R. Observations on the Developmental Stages and Adaptive Strategies of <i>Schizodactylus</i> (Schizodactylidae: Ensifera). <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-158
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18. LARAIB, S. AND SULTANA, R. Influence of Diet on the Development of <i>Phaneroptera roseata</i> (Phaneropterinae: Tettigoniidae: Ensifera) Under Laboratory Conditions. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-159
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20. DAYO, M.S. AND SULTANA, R. Reproductive Behavior <i>Trigonocorpha unicolor</i> (Tettigoniidae: Ensifera) of Sindh. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-162
21. SALAM, Y.A. AND SULTANA, R. Examining the Behavioral Responses of <i>Acheta domesticus</i> under Laboratory conditions. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-163
22. KUMARI, V. AND SULTANA, R. Biogeography and Diversification of Orthoptera in the Nara Desert, Sindh. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-164

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<p>32. CHOUHDARY, Z., KUMAR, S. AND SULTANA, R. Comparative analysis of selected Caeliferan Grasshoppers in the Cholistan Desert: Occurrence and Distribution Patterns. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-172</p>
<p>33. ARSHAD, R., KUMAR, S. AND SULTANA, R. Distribution of Family Tenebrionidae (Coleoptera) from Cholistan Desert. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-173</p>
<p>34. ZAIN UL ABEDIN, M., KUMAR, S. AND SULTANA, R. A Comparative analysis of Hemiacridinae (Orthoptera) in Sindh and Khyber Pakhtunkhwa. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-173</p>
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<p>36. ZUBAIR, S., KUMAR, S. AND SULTANA, R. Observations on Seasonality and Wing Dimorphism in Mole Cricket <i>Gryllotalpa</i> (Orthoptera: Gryllotalpidae). <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P175</p>
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39. IRFAN, M., KUMAR, S. AND SULTANA, R. DNA Barcoding revolutionizes Conocephalinae Grasshopper identification in Bahawalpur, Pakistan. <i>43rd Congress of Zoology (International) at University of Okara, Okara, June 23-25, 2025.</i> P-176
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- 9. CHANDIO, A. SULTANA R., AND BUGHIO, B. A.** Surveillance on emerging parasitoid wasps from collected Oothecae of order Mantodea from District Dadu. *4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.* p- 182.
- 10. BABAR, A. A. AND SULTANA R.,** Prevalence of insect pests in sugarcane field from District Dadu. *4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.* p- 181.
- 11. FATIMA, S. SULTANA R., AND WAGAN, M. S.** Mantids (Insecta: Mantodea) fauna of Sanghar (Sindh) with new regional record. *4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.* p- 181.
- 12. BHANGER, N. SULTANA R., AND BALOCH, N.** Checklist of field Crickets in District Naushahro Feroz. *4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.* p- 180.

<p>13. SOOMRO, N. SULTANA R. AND WAGAN, M. S. Comparative study on the ovipositional Behavior of oxyinae species (Acrididae: Orthoptera). <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 180.</p>
<p>14. SURIYA, S. AND SULTANA R. Biodiversity of Phaneropterinae Burmeister, 1838 (Tettigoniidae: Orthoptera) from District Jamshoro. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 179.</p>
<p>15. SOOMRO, F. D. AND SULTANA R., the First record of Genus Trachyderma (Tenebrionidae: Pimeliinae Pimeliini) from lower Sindh, Pakistan. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 179.</p>
<p>16. PITAFI, M. A. AND SULTANA R., Occurrence of Genus Gryllotalpa (Orthoptera: Gryllotalpidae) from district Khairpur Mir's, Sindh, Pakistan. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 178.</p>
<p>17. BOZDAR, M. I. AND SULTANA R., Biodiversity of Ensifera (Orthoptera) from Khairpur Mir's, Sindh. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 178.</p>
<p>18. KUMARI, V. AND SULTANA R., Comparative study on the Phasmatodea and Mantodea (Orthoptera). <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 177.</p>
<p>19. SOOMRO, S. SULTANA R., AND BUGHIO, B.A. Occurrence of Arcidinae (Acrididae: Orthoptera) from District Hyderabad. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 177.</p>
<p>20. BUGHIO, B.A. AND SULTANA R., Study on Spermatheca and Epiphallus of genus Acrotylus (Acrididae: Orthoptera). <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 177.</p>
<p>21. SAMIULLAH, S. AND SULTANA R., Population fluctuations of Genus Chrotogonus (Pyrgomorphidae: Orthoptera) in relation to various Habitats from Khairpur Mir's Sindh-Pakistan. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 176.</p>
<p>22. SAMEJO, A.A. AND SULTANA R. Interaction between Schistocerca gregaria (Cyrtacanthacridinae: Acrididae: Orthoptera) and plant communities". <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 176.</p>
<p>23. LAL, M. AND SULTANA R., Comparative study on the phallic complex of Genus Acrotylus (Oedipodinae: Acrididae: Orthoptera). <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 175.</p>
<p>24. KUMAR, S. SULTANA R., AND MARI, J.M. Pathogenicity of Beauveria bassiana against grasshoppers in controlled environment. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 169.</p>
<p>25. MUNTHA, S. BALOCH, N. AND SULTANA R., Study on morphological identification of Family Carabidea (Coleoptera) from District Mirpurkhas Sindh. <i>4th International Conference on Agriculture, Food and Animal Sciences at Sindh Agriculture University, Tandojam, January 21-22, 2019.</i> p- 169.</p>
<p>26. LARIK, S.A. AND SULTANA R., Study on the hopper's stages of Aulacobothrus lutipes (Gomphocerinae: Acrididae: Orthoptera) of Sindh. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad, October 10-11, 2018.</i> p- 68.</p>
<p>27. BOZDAR, M.I. AND SULTANA R., Biodiversity of Ensifera (Orthoptera) from Khairpur Mir's-Sindh. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad, October 10-11, 2018.</i> p- 68.</p>

<p>28. SAMIULLAH, S. AND SULTANA R. Systematic study on the genus <i>Chrotogonus</i> (Orthoptera: Pyrgomorphidae) from Sindh. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 68.</p>
<p>29. ABBASI, S.K. AND SULTANA R., Infestation of <i>Bactrocera</i> species on guava fruit from Larkana. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 69.</p>
<p>30. KHATTAK, N.G. SULTANA R., AND KHATRI, I. Occurrence the Cicadas (Hemiptera: Cicadoidea) from upper Sindh. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 69.</p>
<p>31. SOOMRO, S. AND SULTANA R., Hidden fauna of Acridinae (Orthoptera) from Matiari District. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 69.</p>
<p>32. MUNTHA, S.T. BALOCH, N. SULTANA R., ABRO, Z.U.A AND SHAIKH, J. Collection and identification of Beetle (Coleoptera) from Mirpurkhas and its adjoining areas. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 70.</p>
<p>33. BAIG, M.N. BALOCH. N. SULTANA R., RAJPUT. A. AND TOOBA, Z. Some new records of family forficulidae order (dermeptera) from district Matiari. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 70.</p>
<p>34. LAL. M. AND SULTANA R., Re-inventory of <i>Sphingonotus</i> (Acrididae: Orthoptera) from Thar Desert. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 75.</p>
<p>35. SAMEJO. A.A. AND SULTANA R., Seasonal displacement of <i>Schistocerca gregaria</i> between semi-arid areas of Baluchistan and Thar, Sindh. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 75.</p>
<p>36. SHAIKH, M.N AND SULTANA R., Study the arrangement of eggs in various species of Acridinae (Acrididae: L Orthoptera). <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 75.</p>
<p>37. BHANGER, N. AND SULTANA R., Aggressive behavior in field crickets (Gryllidae: Orthoptera). <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 75.</p>
<p>38. SHAH, R. AND SULTANA R., Fanciting study on the copulation of sub-family Acridinae (Acrididae: Orthoptera). <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 76.</p>
<p>39. SOOMRO, F.D. AND SULTANA R., A study on darkling beetles (Coleoptera: Tenebrionidae) from Sindh Pakistan. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 77-78.</p>
<p>40. BUGHIO, B.A. AND SULTANA R., Observation on the sperma the Cain <i>Oedaleus senegalensis</i> Krauss (Acrididae: Orthoptera). <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 77.</p>
<p>41. SOOMRO, N. AND SULTANA R., Comparative study on the morphology egg pods of different species of <i>Oxya</i> (Oxyinae: Acrididae: Orthoptera). <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 78.</p>
<p>42. ABBASI, Z. SULTANA R., AND WAGAN, M.S. Impact of abiotic factors on population fluctuation of Aphid (Hemiptera: Aphididae) on the different wheat varieties from Larkana district. <i>1st International Conference on Applied Zoology at Government College University, Faisalabad</i>, October 10-11, 2018. p- 79.</p>

43. KUMAR, S. AND SULTANA R., Study on the conservation biological control using entomopathogenic fungi against pest. *35th Congress of Zoology (International) at University of Karachi, Karachi, 1st -4th March, 2015*, p-260.

SPECIALIZED TRAININGS / WORKSHOP/ WEBINAR

1. OJS project awareness seminar & training workshops organized by PASTIC 12 TH June 2024 at Sindh University.2024
2. Open Source for Open Science (OSOS) workshop was held on the 19th and 20th of August 2023. (USA).
3. Seminar on Wildlife Conservation and CITES Implementation for the Developing Countries (Online)" sponsored by Ministry of Commerce, P. R. China and organized by China National Bamboo Research Center of National Forestry and Grassland Administration, P. R. China from June 6 th ~ June 19th, 2023. (online)
4. Seminar on Forestry Eco-tourism for BRI countries (Online)" sponsored by the Ministry of Commerce and organized by China National Bamboo Research Center, National Forestry and Grassland Administration, P. R. China from Jul. 5th ~Jul. 18th, 2202. (online)
5. Elsevier-HEC-Workshop on Journal indexing in Scopus at HEC January 21st 2021.
6. One day training workshop on reproductive ultrasonography of small Ruminants" held on March 10 th , 2020, organized by CUVAS, Bahawalpur Punjab.
7. International Webiner on "Statistical Package R: An essential Tool for Genomics" held on October 14 th , 2020, organized by UVAS, Lahore Punjab.
8. Ministerial Workshop on Forestry Sustainable Development for BRI Countries held on (Sept. 20th – Sept. 26th, 2019, at China National Bamboo Research Center (CBRC) in Hangzhou Zhejiang, P.R. China
9. 1st International Workshop on Biodiversity: Techniques & Tools as part of "Exhibition on Biodiversity Conservation of Cholistan Desert" held on April 04-05, 2019
10. Online training course "The Art of Thesis Writing" under the Muhammad Asad Online teaching academy of thesis writing. 2019
11. International Conference on conservation and Management of Indus River Dolphin, Sindh Pakistan held at Marriot Hotal Karachi on 15th May 2017.
12. Training workshop on Research Methodology and data Analysis Techniques was held from March 29-31- 2017 at University of Sindh. Organized by (PASTIC, PSF & ORIC).
13. Quality Assurance productions and advanced computing skills for research supervisor from January 11th – 13 th 2017 at University of Sindh. Organized by (QEC).
14. Attended three days' workshop on "Biological Techniques" held from June 18-to-20th at NIA Tandojam 2013.
15. Attended seminar on "Ecosystem, Health, Soil Plant, Microbial interactions in Natural & Artificial Ecosystem on 9th May 2012 at University of Sindh.
16. Attended three days' workshop on The National workshop on sustainable and integrated management of insect pests and disease of crops held from September 25thto 27th, 2012at NIAB Faisalabad.
17. Attended seminar on "Ecosystem, Health, Soil Plant, Microbial interactions in Natural & Artificial Ecosystem on 9th May 2012 at University of Sindh.
18. Attended three days' workshop on "4th National Workshop on Bio-Control Technology" organized by Atomic Energy Nuclear Institute Tandojam from 2nd to 4th May 2012.

19. Attended three days' workshop on "Biocontrol" Organized by Atomic Energy Nuclear Institute Tandojam from 5th April to 7th April 2011 .
20. Higher Education Commission H-9 Islamabad- Pakistan seminar was held in University of Sindh Jamshoro from Jun 2-7, 2003 .
21. IT training seminar (11th May 2002) from Nadeem Computer System Information Technology Professionals
22. Free medical camp organized by Pakistan Students Welfare Association 28-30 August 2002 .

LETTER TO DAWN EDITOR ABOUT LOCUST SWARM IN PAKISTAN

1. SULTANA R., AND SAMEJO, A.A. DAWN -The daily English Newspaper, 17-6-2019
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POPULAR SCIENTIFIC ARTICLE IN NATIONAL NEWSPAPERS FOR PUBLIC AWARENESS

1. SULTANA R 2025. "AI Meets Entomology: A New Era in Insect Research" Published in Jang newspaper 29 June 2025.
2. SULTANA R 2024. Insect abundance in rainy season: Jang Newspaper-Science and technology 22 September 2024.
3. SULTANA R 2024. Evolution of Insects. Jang Newspaper-Science and technology. 4th February 2024
4. SULTANA R 2023. Concept of Phenotypic Plasticity in the world on insects. Jang Newspaper-Science and technology 21st August 2023.
5. SULTANA R 2023. Effect of Air Pollution on the survival of life. Jang Newspaper-Science and technology 12th June
6. SULTANA R 2023. SIT Technique in the world of insects. Jang Newspaper-Science and technology. 13th March 2023.
7. SULTANA R .2023. Pesticides spray and health issues. Jang Newspaper-Science and technology. 16th Jan 2023.
8. SULTANA R . 2022. Effect of flood and emergence of insects. Jang Newspaper-Science and technology 17th Oct 2022.
9. SULTANA R . 2022. Insects as beneficial tools in IPM. Jang Newspaper-Science and technology 25th July 2022.
10. SULTANA R . 2022 Cotton White gold of Pakistan. Jang Newspaper-Science and technology 6th June 2022.
11. SULTANA R . 2022. Insects as sources of protein. Jang Newspaper-Science and technology 3rd May 2022.
12. SULTANA R . 2022. Endangered Species Jang Newspaper-Science and technology 7th March 2022.
13. SULTANA R . 2021 Extinction in biodiversity? Jang Newspaper-Science and technology 6th December 2021
14. SULTANA R 2021. The threat of fall army worm on crops after locust. Jang Newspaper-Science and technology section 27th September 2021.
15. SULTANA R 2021 Application of Drones against locust? Jang Newspaper-Science and technology 26th June 2021
16. SULTANA R 2021 Social behavior of insects. Jang Newspaper-Science and technology 3rd May 2021.
17. SULTANA R & KUMAR Sumar 2021. Attack of pests on crops. Jang Newspaper-Science and technology 15th February 2021.
18. SULTANA R . 2020. Jang Newspaper-Science and technology section how we can control locust? 15th August 2020.
19. SULTANA R . 2020 Jang Newspaper-Science and technology section, Is locust second Pandemic? 10th July 2020.

20. SULTANA R .2020. University of Sindh, Jamshoro Barcodes grasshoppers in Pakistan’s Thar Desert
21. SULTANA R. 2019. Jang Newspaper-Science and technology section, locust swarm in Sindh 1st July 2019.
22. SAMEJO, A.A and SULTANA R 2019. Kawish Newspaper 30th June 2019.
23. SULTANA R. 2019. Express newspaper, locust destroyed the economy of country 21st June 2019.
24. SULTANA R .and RAHU, MA. 2019. Locust problems and redimedies Ibrat Newspaper, 1st July 2019.
25. SULTANA R . 2019. Insect’s world. Pakistan Science Foundation Islamabad. Insect world.
26. SULTANA R. 2013 Wonder of Insect World Poekilocerus pictus Published in Jung 3 September 2013.
27. SULTANA R. 2012. Biodiversity Published in Daily Ibrat Newspaper on 4th August 2012.
28. SULTANA R. 2012. Surprise deaths of peck fowl (More) in desert Sindh” “Mid-Week Jang Newspaper” on 15th August 2012.
29. SULTANA R. 2012. Butterflies and moths story Published in Mid-Week Jangon 1st February 2012.
30. SULTANA R. 2011. Effect of heavy rain in Sindh economy Published in Mid-Week Jang newspaper on 5th October 2011.
31. SULTANA R. 2011. why dengue came back again” Published in Mid-Week Jang Newspaper” on 28th September 2011.
32. SULTANA R. Sea creature Schizodactylus” Published in Mid-Week Jang Newspaper” on 21th September 2011.
33. SULTANA R. The world of Odonata” Published in Mid-Week Jang Newspaper” on 8th June 2011.
34. SULTANA R. The amazing insect Honeybee” Published in Mid-Week Jang Newspaper” on 8th June 2011.
35. SULTANA R. The invisible army of world Termite” Published in Mid-Week Jang Newspaper” on 31st March 2011.
36. SULTANA R. Stick Insect World” Published in Mid-Week Jang Newspaper” on 2nd March 2011.
37. SULTANA R. Origin of Dengue fever” Published in Mid-Week Jang Newspaper” on 19th January 2011.
38. SULTANA R. Destruction of Ecosystem? Can rare animals come back again? Mid-Week Jang Newspaper Mid-Week” 06 October 2010.
39. SULTANA R. Praying Mantis” published in Mid-Week Jang Newspaper Mid-Week Jang Newspaper” 15th September 2010.
40. SULTANA R. Introduction to Entomology Museum Sindh University” Roznama Pasbhan Hyderabad on 14th September 2010.
41. SULTANA R. Why Study of Zoology is necessary?” Published in Mid-Week Jang Newspaper” on 21st July 2010.
42. SULTANA R. Insect World Introduction to Earwigs” Published in Mid-Week Jang Newspaper” on 28th April 2010.
43. SULTANA R. Wonders of Insects world Hieroglyphus” Published in “Mid-Week Jang Newspaper” on 3rd March 2010.
44. SULTANA R. Personality of Allama I.I. Kazi” Roznama Pasbhan Hyderabad on 13th April 2007.
45. SULTANA R. The causes of Pollution and its Remedies” Roznama Pasbhan Hyderabad on 5th April 2005.
46. SULTANA R. Locust, and its Destructions” Roznama Pasbhan Hyderabad on 21st March 2005.

SKILLS

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| <ol style="list-style-type: none"> 1. Systematic, evolution, Biologist, Ecologist Phylogenetics of the insect groups 2. Sequencing methods including the laboratory and bioinformatics work 3. DNA extraction, PCR, gel electrophoresis 4. Genomic phylogenetic comparative analysis tools |
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5. Molecular Evolutionary Genetic Analysis
6. BLAST: Basic Local Alignment Search Tool
7. Adobe illustrator (Drawing of specimens' parts by imaging)
8. Adobe Photoshop 7.0 & GIS (Geographical Information System)
9. Specimen's handling, collection, rearing, tagging and preservation
10. Languages: English (excellent); Urdu (Native), Chinese (intermediate)

ORGANIZER

1. Pakistan Congress of Zoology in various Universities of Pakistan from 2010 to up to date
2. ORGANIZED AND ATTENDED DAY SEMINAR ON "INTERNATIONAL BIODIVERSITY DAY" HELD FROM 22ND MAY 2025 AT CUVAS, BAHAWALPUR
3. ORGANIZED AND ATTENDED TWO DAYS INTERNATIONAL SEMINAR ON "PALEONTOLOGY" HELD FROM 10-11TH FEBRUARY 2025 AT CUVAS, BAHAWALPUR
4. First International Congress on Plant Protection Agriculture University Tandojam 29th- 30th March 2022.
5. Celebration of 6th September grasshopper international day 2022

PHOTOGRAPH



(Prof. Dr. Riffat Sultana)