

List of Publications

1. **Umer Ayyaz Aslam Sheikh** and Muhammad Imran (2020). Regional development of Bumblebees from crop pollination . Apidology (Submitted)
2. Fatima Abdulla Alkhayat , Abu H. Ahmad, Junaid Rahim, Hamady Dieng, Bashir Adam Ismail e, Muhammad Imran **Umer Ayyaz Aslam Sheikh** and Allah Ditta (2020). Charaterization of mosquito larval habitats in Qatar. Saoudi Journal of Biological Sciences. 27(2020): 2358-2365.
3. Muhammad Imran, **Umer Ayyaz Aslam Sheikh**, Muhammad Nasir, Muhammad Junaid Iqbal, Muhammad Adnan Asghar, Taimoor Fazil, Muhammad Abdual Ghaffar and Junaid Rahim (2020). Susceptibility Comparison of Bumblebee and Honeybee to Acetamiprid and Imidacloprid. International Journal of Industrial Entomology (Submitted).
4. Muhammad Imran, Muhammad Naeem, Munir Ahmad, **Umer Ayyaz Aslam Sheikh**, Muhammad Nasir and Shudong Lue. (2020). Bumblebee Colony Development was Affected by Different Diets. Journal of Apiculture Science (Submitted)
5. Muhammad Nasir, Ata-ul-Mohsan, Munir Ahmad, Shafqat Saeed, Muhammad Asif Aziz, Muhammad Imran and **Umer Ayyaz Aslam Sheikh** (2019). Effect of Different Temperatures on Colony Characteristics of *Bombus terrestris* (Hymenoptera: Apidae). Pakistan Journal of Zoology 51(4): 1315-1322
6. Muhammad Imran, **Umer Ayyaz Aslam Sheikh**, Muhammad Nasir, Muhammad Abdul Ghaffar, Ansa Tamkeen, and Muhammad Aamir Iqbal (2019). Do neonicotinoid insecticides impaired olfactory learning behavior in *Apis mellifera*?. International Journal of Industrial Entomology 38(1) 1-5
7. **Umer Ayyaz Aslam Sheikh**, Khalid Mahmood, Khawar Nazir, Sakhawat Ali, Muhammad Imran, Muhammad Abdul Ghaffar and Ansa Tamkeen (2018). Faunistic work on bumblebees (Hymenoptera: Apidae) of district Kharmand, Sakardu, Pakistan. International Journal of Biosciences 13 (4): 141-146.
8. Muhammad Imran, Tayyaba Naseem, Arshad Iqbal, Khalid Mahmood, **Umer Ayyaz Aslam Sheikh** (2018). Assessment of sensitivity level of honeybee (*Apis mellifera*) to neonicotinoid insecticides. Asian J Agri & Biol. 6(3):327-334
9. Mahwish Raza, **Umer Ayyaz Aslam Sheikh** and Sakhi Muhammad (2017). Pesticide usage by Farmers; A case study of District Rawalpindi, Pakistan. International Journal of Agronomy and Agricultural Research . 11(4): 1-5
10. Mehmood- ul-Hassan, Muhammad Ibrahim Tahir, Muhammad Azeem, Muhammad Sajid, Awais Ali, Muhammad Imran, Muhammad Irfan, **Umer Ayyaz Aslam Sheikh**. (2017). Effect of Mechanized Verses Conventional Tillage and Cropping Systems on Weeds Biomass. Transylvanian Review 1(6): 5099-5107
11. **Umer Ayyaz Aslam Sheikh**, Munir Ahmad, Muhammad Asif Aziz, Muhammad Naeem, Khalid Mahmood, Muhammad Nasir and Muhmmaad Imran (2017). Food plants and bionomics of indigenous

Bumblebee, *Bombus haemorrhoidalis* Smith in Rawalakot, Azad Jammu and Kashmir of Pakistan. International Journal of Biosciences 11 (1): 89-96.

12. Muhammad Imran*, Munir Ahmad, Muhammad Naeem, Khalid Mahmood, Muhammad Nasir and **Umer Ayyaz Aslam Sheikh** 2017. Are colony developmental stages of bumblebee, *Bombus terrestris* (hymenoptera: apidae) affected by different concentrations of sugar and honey solutions? International Journal of Industrial Entomology. 34 (2): 1-9

13. Muhammad Imran, Kanwal Haneef, Munir Ahmad, Muhammad Nasir and **Umer Ayyaz Aslam Sheikh** (2017). Comparative Toxicity of Insecticides against Two Important Insect Pests of Cauliflower Crop. Asian Journal of Agriculture and Biology. 5 (2):88-98.

14. Muhammad Imran, Munir Ahmad, Muhammad Naeem, Muhammad Farooq Nasir, Imran Bodhla, Muhammad Nasir and **Umer Ayyaz Aslam Sheikh**. (2017) Effects of different types of Boxes on rearing of Bumble Bee, *Bombus terrestris*. Pakistan. Pakistan J. Zool., 49(1): 169-174

15. **Umer Ayyaz Aslam Sheikh**, Muhammad Asif Aziz, Munir Ahmad, Muhammad Naeem, Imran Bodlah , Muhammad Imran and Muhammad Nasir. (2015) First record of Genus *Bombus* Latreille (Hymenoptera: Apidae) in Naran Kaghan valley of Pakistan and their floral host range. Journal of Biodiversity and Environmental Sciences 7 (1): 215-223

16. Muhammad Imran, Munir Ahmad, Muhammad Naeem, Shafqat Saeed, Muhammad Farooq Nasir, Asif Ahmad, Muhammad Nasir and **Umer Ayyaz Aslam Sheikh**. (2015) Effect of fresh pollen pellets and pollen balls coated with and without beeswax on the life history parameter of

bumblebee (*bombus terrestris*). Journal of Biodiversity and Environmental Sciences. 6(5): 144-153.

17. Muhammad Nasir, Munir Ahmad, Ata Ul Mohsin, Shafqat Saeed, Muhammad Asif Aziz, Munir Ahmad, Muhammad Imran and **Umer Ayyaz Aslam Sheikh**. (2015) Light intensity improves the copulating behavior and colony initiation of bumblebee, *Bombus terrestris* (Hymenoptera: Apidae). International Journal of Biosciences 7 (2): 56-64

18. Munir Ahmad, Imran Bodlah, Kashif Mehmood, **Umer Ayyaz Aslam Sheikh** and Muhammad Asif Aziz. (2015) Pollination and Foraging Potential of European Bumblebee, *Bombus terrestris* (Hymenoptera: Apidae) on Tomato Crop under Greenhouse System. Pakistan. Pakistan J. Zool., 47(5): 1279-1285

19. Mahwish Raza, Muhammad Farooq, Sakhi Muhammad and **Umer Ayyaz Aslam Sheikh**. (2015) Efficacy of different commercially available weedicides on wheat *Triticum aestivum* in Rawalpindi Pakistan. International Journal of Agronomy and Agricultural Research 7 (2): 205-209

20. **Umer Ayyaz Aslam Sheikh**, Munir Ahmad, Muhammad Imran, Muhammad Nasir, Shafqat Saeed and Imran Bodlah. (2014) Distribution of Bumblebee, *Bombus haemorrhoidalis* Smith, and its association with Flora in Lower Northern Pakistan. Pakistan J. Zool., 46(4).1045-1051.

21. **Umer Aslam Sheikh**, M. Aslam and Munir Ahmad. (2011) Co-evolution in *Pediculus humanus capitis* (De Geer) (Anoplura: Pediculidae) colour in response to human hair, J. Agric. Biol. Sci. 3(1):50-53.