Rodent Ectoparasites in the Middle East: A Systematic Review and Meta-Analysis

Supplementary Table 2: Quality assessment of the 113 studied articles.

Authors	Was the sample representative of the target population?	Were study participants recruited in an appropriate way?	Was the sample size adequate?	Were the study subjects and the setting described in detail?	Was the data analysis conducted with sufficient coverage of the identified sample?	Were objective, standard criteria used for the measurement of the condition?	Was the condition measured reliably?	Was there appropriate statistical analysis?	Are all important confounding factors/subgroups/differences identified and accounted for?	Were subpopulations identified using objective criteria?	Marks	Grades
	1	2	3	4	5	6	7	8	9	10		
Abd El-Halim et al. [1]	Yes	Yes	Yes	Yes	No	Yes	Unclear	No	Yes	Yes	7	High
Abdel-Rahman et al. [2]	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	Yes	9	High
Abo-Elmaged and Desoky [3]	Yes	Yes	Unclear	Yes	No	Yes	No	No	No	No	4	Low
Abu-Madi et al. [4]	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	Not applicable	8	High
Abu-Madi et al. [5]	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	Not applicable	8	High
Acici et al. [6]	Yes	No	No	No	No	Unclear	Unclear	No	No	No	1	Low
Aktaş [7]	Yes	Yes	Unclear	Yes	Not applicable	Yes	Yes	Not applicable	Not applicable	Not applicable	5	Intermediate
Al Hindi and Abu-Haddaf [8]	Yes	Yes	No	Yes	No	Yes	Unclear	No	Yes	Yes	6	Intermediate
Alahmed and Al-Dawood [9]	Yes	Yes	No	Yes	No	Yes	No	No	Unclear	Yes	5	Intermediate
Al-Awadi et al. [10]	Yes	Unclear	Yes	Yes	No	Yes	Unclear	No	Unclear	Yes	5	Intermediate
Allam et al. [11]	Yes	Unclear	Unclear	Yes	No	Yes	No	No	No	No	3	Low
Allymehr et al. [12]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Al-Mohammed [13]	Yes	Unclear	No	No	No	Yes	Unclear	No	Unclear	Yes	3	Low
Alsarraf et al. [14]	Yes	Yes	Unclear	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Antoniou et al. [15]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Arafa et al. [16]	Yes	Yes	Unclear	Yes	No	Yes	Unclear	No	Yes	Yes	6	Intermediate
Asiry and Fetoh [17]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Bacot et al. [18]	Yes	Yes	Unclear	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Bahgat [19]	Yes	Yes	Unclear	Yes	No	Yes	Unclear	No	Yes	Yes	6	Intermediate
Bajer et al. [20]	Yes	Unclear	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	8	High
Bakr et al. [21]	Yes	Yes	No	No	No	Unclear	Unclear	No	Yes	Yes	4	Low
Bakr et al. [22]	Yes	Unclear	No	No	No	No	Unclear	No	No	No	1	Low
Bochkov et al. [23]	Yes	Yes	Unclear	No	Not applicable	Yes	Yes	Not applicable	Yes	Not applicable	5	Intermediate
Bochkov et al. [24]	Yes	Yes	Unclear	Yes	Not applicable	Yes	Yes	Not applicable	Yes	Yes	7	High

Authors	Was the sample representative of the target population?	Were study participants recruited in an appropriate way?	Was the sample size adequate?	Were the study subjects and the setting described in detail?	Was the data analysis conducted with sufficient coverage of the identified sample?	Were objective, standard criteria used for the measurement of the condition?	Was the condition measured reliably?	Was there appropriate statistical analysis?	Are all important confounding factors/subgroups/differences identified and accounted for?	Were subpopulations identified using objective criteria?	Marks	Grades
Chegeni et al. [25]	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9	High
Christou et al. [26]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Cicek et al. [27]	Yes	Yes	No	Yes	No	Yes	Unclear	No	Yes	Yes	6	Intermediate
Dahesh and Mikhail [28]	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	8	High
Darvishi et al. [29]	Yes	Yes	Not applicable	Yes	Not applicable	Yes	Yes	Not applicable	Yes	Not applicable	6	Intermediate
el Bahrawy and al Dakhil [30]	Yes	No	No	No	No	Yes	Unclear	No	No	Yes	3	Low
el Kady et al. [31]	Yes	No	No	Yes	No	Yes	Unclear	No	No	Yes	4	Low
El Kady et al. [32]	Yes	Unclear	Yes	No	No	Yes	Unclear	No	Yes	Yes	5	Intermediate
el-Bahrawy and al-Dakhil [33]	Yes	Yes	Unclear	Unclear	No	Yes	Unclear	No	No	Yes	4	Low
el-Kady et al. [34]	Yes	Yes	No	Yes	No	Yes	Unclear	No	Yes	Yes	6	Intermediate
el-Kammah et al. [35]	Yes	Unclear	Unclear	No	Not applicable	No	Yes	Not applicable	No	No	2	Low
Eslami et al. [36]	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	No	Yes	Yes	8	High
Farhang-Azad and Neronov [37]	Yes	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	No	Yes	Yes	3	Low
Gaaboub et al. [38]	Yes	Yes	Yes	Yes	No	Unclear	Unclear	No	Yes	Yes	6	Intermediate
Gaaboub et al. [39]	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	8	High
Garrett and Allred [40]	Yes	Yes	Yes	No	No	Yes	Unclear	No	Unclear	Yes	5	Intermediate
Gholipoury et al. [41]	Yes	Unclear	No	No	No	No	Yes	No	Yes	Yes	4	Low
Hamidi and Nassirkhani [42]	Yes	Yes	Yes	Yes	Not applicable	Yes	Unclear	Not applicable	Yes	Yes	7	High
Hanafi-Bojd et al. [43]	Yes	Unclear	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8	High
Harrison et al. [44]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Hawlena et al. [45]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Hoogstraal and Traub [46]	Yes	Unclear	Unclear	No	No	No	Unclear	No	Yes	Yes	3	Low
Hoogstraal et al. [47]	Yes	Unclear	Unclear	No	No	No	Yes	No	Yes	Yes	4	Low
Imam and Salah [48]	Yes	Yes	No	Yes	No	Yes	Unclear	No	No	Yes	5	Intermediate
Karaer et al. [49]	Yes	Yes	Not applicable	Yes	Not applicable	Yes	Yes	Not applicable	Not applicable	Not applicable	5	Intermediate
Keskin and Beaucournu [50]	Yes	Yes	Not applicable	Yes	Not applicable	Yes	Yes	Not applicable	Yes	Yes	7	High
Keskin et al. [51]	Yes	Yes	No	Yes	Not applicable	Yes	Yes	Not applicable	Yes	Yes	7	High
Keskin et al. [52]	Yes	Yes	No	Yes	No	Yes	Yes	No	No	Yes	6	Intermediate
Keskin et al. [53]	Yes	No	No	Yes	No	Yes	Yes	No	Yes	Yes	6	Intermediate
Khajeh et al. [54]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High

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Kia et al. [55]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Kim and Emerson [56]	Yes	Unclear	Unclear	Yes	Unclear	Yes	Unclear	Unclear	Yes	Yes	5	Intermediate
Krasnov et al. [57]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [58]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [59]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [60]	Yes	Yes	Yes	Yes	No	Yes	Unclear	No	Yes	Yes	7	High
Krasnov et al. [61]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [62]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [63]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Krasnov et al. [64]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Lehmann-a [65]	Yes	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9	High
Lehmann-b [66]	Yes	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9	High
Lewis [67]	Yes	Unclear	Unclear	Yes	Not applicable	Yes	Unclear	Not applicable	Yes	Yes	5	Intermediate
Lewis [68]	Yes	Yes	Unclear	Yes	No	Yes	Yes	No	No	Yes	6	Intermediate
Loftis et al. [69]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	7	High
Mahdi and Arafa [70]	Yes	Yes	Yes	No	No	Yes	Unclear	No	No	Yes	5	Intermediate
Mikhail et al. [71]	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	6	Intermediate
Mohammadi et al. [72]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Moravvej et al. [73]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Morick et al. [74]	Yes	Yes	No	Yes	Not applicable	Yes	Yes	Not applicable	Yes	Yes	7	High
Morick et al. [75]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Morsy et al. [76]	Yes	Yes	Yes	Yes	No	Yes	Unclear	No	Yes	Yes	7	High
Morsy et al. [77]	Yes	Unclear	Yes	No	No	No	Yes	No	Yes	Yes	5	Intermediate
Morsy et al. [78]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Morsy et al. [79]	Yes	No	No	No	No	Yes	Yes	No	No	Yes	4	Low
Mostafavi et al. [80]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	9	High
Mumcuoglu et al. [81]	Yes	No	No	Yes	No	Yes	Yes	No	Yes	Yes	6	Intermediate
Mumcuoglu et al. [82]	Yes	No	No	Yes	No	Yes	Yes	No	Yes	Yes	6	Intermediate
Nasereddin et al. [83]	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Not applicable	Yes	Yes	5	Intermediate
Nateghpour et al. [84]	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes	6	Intermediate

Authors	Was the sample representative of the target population?	Were study participants recruited in an appropriate way?	Was the sample size adequate?	Were the study subjects and the setting described in detail?	Was the data analysis conducted with sufficient coverage of the identified sample?	Were objective, standard criteria used for the measurement of the condition?	Was the condition measured reliably?	Was there appropriate statistical analysis?	Are all important confounding factors/subgroups/differences identified and accounted for?	Were subpopulations identified using objective criteria?	Marks	Grades
Oyoun et al. [85]	Yes	Unclear	Unclear	No	No	Yes	Yes	No	Not applicable	Not applicable	3	Low
Pourhossein et al. [86]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Psaroulaki et al. [87]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Psaroulaki et al. [88]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Psaroulaki et al. [89]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Rahdar et al. [90]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Reeves et al. [91]	Yes	Yes	Unclear	No	No	Yes	Yes	Yes	Yes	Yes	7	High
Reeves et al. [92]	Yes	Yes	Unclear	No	No	Yes	Yes	Yes	Yes	Yes	7	High
Rifaat et al. [93]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Rzotkiewicz et al. [94]	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes	6	Intermediate
Sanborn and Hoogstraal [95]	Yes	Unclear	Unclear	No	N	Yes	Unclear	No	Yes	Yes	4	Low
Shamsi et al. [96]	Yes	Unclear	Unclear	Unclear	No	No	Unclear	No	Yes	Yes	3	Low
Shayan and Rafinejad [97]	Yes	Yes	Yes	Yes	No	Yes	Unclear	No	Yes	Yes	7	High
Shirazi et al. [98]	Yes	No	Not applicable	Yes	Not applicable	Yes	Yes	Not applicable	No	No	4	Low
Soliman-a et al. [99]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Soliman-b [100]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10	High
Soliman et al. [101]	Yes	Yes	Yes	Unclear	No	Unclear	No	No	Yes	Yes	5	Intermediate
Stekol'nikov [102]	Yes	Yes	Unclear	No	No	No	Yes	No	No	No	3	Low
Stekolnikov et al. [103]	Yes	Yes	Unclear	No	No	No	Yes	No	No	No	3	Low
Tajedin et al. [104]	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	8	High
Telmadarraiy et al. [105]	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9	High
Uslu et al. [106]	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	7	High
Yeruham et al. [107]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Younis et al. [108]	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	8	High
Yousefi et al. [109]	Yes	Yes	No	Yes	No	No	Unclear	No	No	Yes	4	Low
Yousefi et al. [110]	Yes	Unclear	No	No	No	Yes	Yes	No	No	No	3	Low
Zarei et al. [111]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High
Zeese et al. [112]	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	7	High
Zendehfili et al. [113]	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	7	High

References

1. Abd El-Halim, A.S.; Allam, K.A.; Metwally, A.M.; El Boraey, A.M. Seasonal variation of infestation rate with lice, tick and mite among rodents in certain Egyptian regions. *Journal of the Egyptian Society of Parasitology* **2009**, *39*, 617-624.
2. Abdel-Rahman, E.H.; Abdelgadir, M.; AlRashidi, M. Ectoparasites burden of House mouse (Mus musculus linnaeus, 1758) from Hai'l of Saudi Arabia. *Saudi Journal of Biological Sciences* **2020**, *27*, 2238-2244.
3. Abo-Elmaged, T.M.; Desoky, A.E.A.S.S. Parasitological survey of rodent in cultivated and reclaimed land at Assiut, Egypt. *Asian Journal of Applied Sciences* **2014**, *7*, 96-101.
4. Abu-Madi, M.A.; Lewis, J.W.; Mikhail, M.; El-Nagger, M.E.; Behnke, J.M. Monospecific helminth and arthropod infections in an urban population of brown rats from Doha, Qatar. *Journal of Helminthology* **2001**, *75*, 313-320.
5. Abu-Madi, M.A.; Behnke, J.M.; Mikhail, M.; Lewis, J.W.; Al-Kaabi, M.L. Parasite populations in the brown rat Rattus norvegicus from Doha, Qatar between years: The effect of host age, sex and density. *Journal of Helminthology* **2005**, *79*, 105-111, doi:10.1079/JOH2005274.
6. Acici, M.; Demirtas, S.; Umur, S.; Gurler, A.T.; Bolukbas, C.S. Infestations of flea species on small, wild mammals in the provinces of Aydin and Manisa in the Aegean Region, Turkey. *Turkish Journal of Veterinary & Animal Sciences* **2017**, *41*, 449-452, doi:10.3906/vet-1610-68.
7. Aktaş, M. Ctenophthalmus harputus, a new Spalax flea from Turkey. *Med Vet Entomol* **1989**, *3*, 23-27, doi:10.1111/j.1365-2915.1989.tb00470.x. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
8. Al Hindi, A.I.; Abu-Haddaf, E. Gastrointestinal parasites and ectoparasites biodiversity of Rattus rattus trapped from Khan Younis and Jabalia in Gaza strip, Palestine. *Journal of the Egyptian Society of Parasitology* **2013**, *43*, 259-268.
9. Alahmed, A.M.; Al-Dawood, A.S. Rodents and their ectoparasites in Wadi Hanifah, Riyadh City, Saudi Arabia. *Journal of the Egyptian Society of Parasitology* **2001**, *31*, 737-743.
10. Al-Awadi, A.R.; Al-Kazemi, N.; Ezzat, G.; Saah, A.J.; Shepard, C.; Zaghloul, T.; Gherdian, B. Murine typhus in Kuwait in 1978. *Bulletin of the World Health Organization* **1982**, *60*, 283-289.
11. Allam, K.A.; Shalaby, A.A.; Ashour, M.A. Seasonal distribution of fleas infesting rodents in various Egyptian eco-geographical areas and their susceptibility to malathion. *Journal of the Egyptian Society of Parasitology* **2002**, *32*, 405-414.
12. Allymehr, M.; Tavassoli, M.; Manoochehri, M.H.; Ardavan, D. Ectoparasites and gastrointestinal helminths of house mice (mus musculus) from poultry houses in northwest Iran. *Comparative Parasitology* **2012**, *79*, 283-287.
13. Al-Mohammed, H.I. Taxonomical studies of ticks infesting wild rodents from Asir Province in Saudi Arabia. *Journal of the Egyptian Society of Parasitology* **2008**, *38*, 1-8.
14. Alsarraf, M.; Mierzejewska, E.J.; Mohallal, E.M.E.; Behnke, J.M.; Bajer, A. Genetic and phylogenetic analysis of the ticks from the Sinai Massif, Egypt, and their possible role in the transmission of Babesia behnkei. *Exp Appl Acarol* **2017**, *72*, 415-427, doi:10.1007/s10493-017-0164-4. Epub 2017 Aug 28. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
15. Antoniou, M.; Psaroulaki, A.; Toumazos, P.; Mazeris, A.; Ioannou, I.; Papaprodromou, M.; Georgiou, K.; Hristofi, N.; Patsias, A.; Loucaides, F., et al. Rats as indicators of the presence and dispersal of pathogens in cyprus: Ectoparasites, parasitic helminths, enteric bacteria, and encephalomyocarditis virus. *Vector-Borne and Zoonotic Diseases* **2010**, *10*, 867-873.
16. Arafa, M.S.; Mahdi, A.H.; Khalil, M.S. Seasonal observations on the Cairo spiny mouse, Acomys cahirinus (E. Geoffroy, St. Hilaire, 1803) and its fleas in Egypt. *The Journal of the Egyptian Public Health Association* **1973**, *48*, 60-71.
17. Asiry, K.A.; Fetoh, B.E.A. Occurrence of ectoparasitic arthropods associated with rodents in Hail region northern Saudi Arabia. *Environmental Science and Pollution Research* **2014**, *21*, 10120-10128, doi:10.1007/s11356-014-3016-3.
18. Bacot, A.; Petrie, G.F.; Todd, R.E. The fleas found on rats and other rodents, living in association with man, and trapped in the towns, villages and nile boats of upper Egypt. *Journal of Hygiene* **1914**, *14*, 498-508.
19. Bahgat, I.M. Monthly abundance of rodent and their ectoparasites in newly settled areas, east of lakes, Ismailia Governorate, Egypt. *J Egypt Soc Parasitol* **2013**, *43*, 387-398, doi:10.12816/0006394. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
20. Bajer, A.; Harris, P.D.; Behnke, J.M.; Bednarska, M.; Barnard, C.J.; Sherif, N.; Clifford, S.; Gilbert, F.S.; Siński, E.; Zalat, S. Local variation of haemoparasites and arthropod vectors, and intestinal protozoans in spiny mice (Acomys dimidiatus) from four montane wadis in the St Katherine Protectorate, Sinai, Egypt. *Journal of Zoology* **2006**, *270*, 9-24.
21. Bakr, M.E.; Morsy, T.A.; Nassef, N.E.; el Meligi, M.A. Mites infesting commensal rodents in Shebin El Kom, Menoufia G., Egypt. *J Egypt Soc Parasitol* **1995**, *25*, 853-859.

22. Bakr, M.E.; Morsy, T.A.; Nassef, N.E.; El Meligi, M.A. Flea ectoparasites of commensal rodents in Shebin El Kom, Menoufia Governorate, Egypt. *Journal of the Egyptian Society of Parasitology* **1996**, *26*, 39-52.
23. Bochkov, A.; Malikov, V.; Arbobi, M. Trichoecius calomysci sp. n. (Acari: Myocoptidae), a new mite species from Iran. *Folia Parasitologica* **1999**, *46*, 316-318.
24. Bochkov, A.; Arbobi, M.; Malikov, V. Notes on mites of the family Myobiidae (Acari: Prostigmata) parasitising rodents (Mammalia: Rodentia) in Iran. *Folia Parasitol (Praha)* **2000**, *47*, 73-77, doi:10.14411/fp.2000.015. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
25. Chegeni, A.H.; Mostafavi, E.; Mohammadi, A.; Mahmoudi, A.; Kayedi, M.H. The parasitism of Persian jird by immature stages of Hyalomma asiaticum (Acari: Ixodidae) and its identification using molecular approaches in Iran. *Persian Journal of Acarology* **2018**, *7*, 381-392.
26. Christou, C.; Psaroulaki, A.; Antoniou, M.; Toumazos, P.; Ioannou, I.; Mazeris, A.; Chochlakis, D.; Tselentis, Y. Rickettsia typhi and Rickettsia felis in Xenopsylla cheopis and Leptopsylla segnis parasitizing rats in Cyprus. *Am J Trop Med Hyg* **2010**, *83*, 1301-1304, doi:10.4269/ajtmh.2010.10-0118. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
27. Cicek, H.; Stanyukovich, M.; Yağci, S.; Aktaş, M.; Karaer, Z. Gamasine mite (Parasitiformes: Mesostigmata) infestations of small mammals (Mammalia: Rodentia, Insectivora) in Turkey. *Turkiye Parazitol Derg* **2008**, *32*, 65-70.
28. Dahesh, S.M.; Mikhail, M.W. SURVEILLANCE OF TRYPANOSOMA SPP OF RODENTS AND STUDIES IN THEIR TRANSMISSION PROBABILITY BY FLEAS IN SOME RURAL EGYPTIAN AREAS. *Journal of the Egyptian Society of Parasitology* **2016**, *46*, 157-166.
29. Darvishi, M.M.; Youssefi, M.R.; Changizi, E.; Lima, R.R.; Rahimi, M.T. A new flea from Iran. *Asian Pacific Journal of Tropical Disease* **2014**, *4*, 85-87, doi:https://doi.org/10.1016/S2222-1808(14)60321-2.
30. el Bahrawy, A.A.; al Dakhil, M.A. Studies on the ectoparasites (fleas and lice) on rodents in Riyadh and its surroundings, Saudi Arabia. *Journal of the Egyptian Society of Parasitology* **1993**, *23*, 723-735.
31. El Kady, G.A.; Shoukry, A.; Ragheb, D.A.; El Said, A.M.; Habib, K.S.; Morsy, T.A. Mites (acari) infesting commensal rats in Suez Canal zone, Egypt. *J Egypt Soc Parasitol* **1995**, *25*, 417-425.
32. El Kady, G.A.; El Shazly, A.M.; Mikhail, M.W.; Bahgat, I.M. Ectoparasites of commensal rodents in Talkha Center, Dakahlia Governorate, Egypt. *Journal of the Egyptian Society of Parasitology* **2007**, *37*, 825-833.
33. el-Bahrawy, A.A.; al-Dakhil, M.A. Studies on the interrelation between rodents and their ectoparasitic acarines in Riyadh region, Saudi Arabia. *Journal of the Egyptian Society of Parasitology* **1993**, *23*, 675-685.
34. El-Kady, G.A.; Makled, K.M.; Morsy, T.A.; Morsy, Z.S. Rodents, their seasonal activity, ecto- and blood-parasites in Saint Catherine area, South Sinai Governorate, Egypt. *J Egypt Soc Parasitol* **1998**, *28*, 815-826.
35. El-Kammah, K.M.; Oyoun, L.M.; El Kady, G.A. Laelaps sinai sp. nov. (Laelapinae, Laelapidae), a parasite of Gerbillus pyramium in El Arish, North Sinai, Egypt. *J Egypt Soc Parasitol* **1994**, *24*, 167-171.
36. Eslami, A.; Yousefi, A.; Dowling, A.P.G. Prevalence of ectoparasites in black rat (Rattus rattus) from Mangrove forests of Qeshm Island, Iran. *Comparative Clinical Pathology* **2018**, *27*, 1583-1586, doi:10.1007/s00580-018-2777-3.
37. Farhang-Azad, A.; Neronov, V. The flea fauna of the great gerbil (Rhombomys opimus Licht.) in Iran. *Folia Parasitol (Praha)* **1973**, *20*, 343-351.
38. Gaaboub, I.A.; Widaatalla, A.E.E.; Kelada, N.L. Survey of Rats and Mice and Their Ectoparasites in Relation to Cultivated Areas in the Vicinity of Alexandria Governorate, Egypt. *The Journal of Agricultural Science* **1981**, *97*, 551-555.
39. Gaaboub, I.A.; Donia, A.H.; Kelada, N.L.; Abdelkarim, M.E.H. Ectoparasites of some rodents from the edge of the western desert near Alexandria, Egypt. *Insect Science and Its Application* **1982**, *3*, 145-150.
40. Garrett, D.A.; Allred, D.M. Mesostigmatid mites from Turkey, with keys to genera and species. *J Med Entomol* **1971**, *8*, 292-298, doi:10.1093/jmedent/8.3.292. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
41. Gholipoury, M.; Rezai, H.R.; Namroodi, S.; Arab Khazaeli, F. Zoonotic and non-zoonotic parasites of wild rodents in Turkman Sahra, northeastern Iran. *Iranian Journal of Parasitology* **2016**, *11*, 350-357.
42. Hamidi, K.; Nassirkhani, M. Annotated checklist of fleas (Insecta: Siphonaptera) and lice (Insecta: Anoplura) associated with rodents in Iran, with new reports of fleas and lice. *J Vector Borne Dis* **2019**, *56*, 134-145, doi:10.4103/0972-9062.263715. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
43. Hanafi-Bojd, A.A.; Shahi, M.; Baghaii, M.; Shayeghi, M.; Razmand, N.; Pakari, A. A study on rodent ectoparasites in Bandar Abbas: The main economic southern seaport of Iran. *Iranian Journal of Environmental Health Science and Engineering* **2007**, *4*, 173-176.
44. Harrison, A.; Robb, G.N.; Alagaili, A.N.; Hastriter, M.W.; Apanaskevich, D.A.; Ueckermann, E.A.; Bennett, N.C. Ectoparasite fauna of rodents collected from two wildlife research centres in Saudi Arabia with discussion on the implications for disease transmission. *Acta Trop* **2015**, *147*, 1-

5, doi:10.1016/j.actatropica.2015.03.022. Epub 2015 Mar 27. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
45. Hawlena, H.; Abramsky, Z.; Krasnov, B.R. Ectoparasites and age-dependent survival in a desert rodent. *Oecologia* **2006**, *148*, 30-39.
46. Hoogstraal, H.; Traub, R. The fleas (Siphonaptera) of Egypt. Host-parasite relationships of rodents of the families Spalacidae, Muridae, Gliridae, Dipodidae, and Hystricidae. *The Journal of the Egyptian Public Health Association* **1965**, *40*, 343-379.
47. Hoogstraal, H.; Kaiser, M.N.; Ormsbee, R.A.; Osborn, D.J.; Hemly, I.; Gaber, S. Hyalomma (Hyalommina) rhipicephaloides Neumann (Ixodoidea: Ixodidae): its identity, hosts, and ecology, and Rickettsia conori, R. prowazeki, and Coxiella burneti infections in rodent hosts in Egypt. *Journal of medical entomology* **1967**, *4*, 391-400.
48. Imam, Z.I.; Salah, A.M. Preliminary notes on typhus amon rodents in U.A.R. *The Journal of the Egyptian Public Health Association* **1966**, *41*, 133-143.
49. Karaer, Z.; Kurtdede, A.; Ural, K.; Sari, B.; Cingi, C.C.; Karakurum, M.C.; Haydardedeoglu, A.E. Demodicosis in a Golden (Syrian) hamster (Mesocricetus auratus). *Ankara Universitesi Veteriner Fakultesi Dergisi* **2009**, *56*, 227-229.
50. Keskin, A.; Beaucournu, J.C. Descriptions of Two New Species and a New Subspecies of the Genus Ctenophthalmus (Insecta: Siphonaptera: Ctenophthalmidae) from Turkey. *J Med Entomol* **2019**, *56*, 1275-1282, doi:10.1093/jme/tjz096. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
51. Keskin, A.; Selçuk, A.Y.; Kefelioğlu, H. Ticks (Acari: Ixodidae) infesting some small mammals from Northern Turkey with new tick–host associations and locality records. *Experimental and Applied Acarology* **2017**, *73*, 521-526.
52. Keskin, A.; Selçuk, A.; Kefelioğlu, H. Ticks (Acari: Ixodidae) infesting some wild animals and humans in Turkey: notes on a small collection. **2019**, *1*, xx-xx.
53. Keskin, A.; Selçuk, A.Y.; Kefelioğlu, H.; Beaucournu, J.C. Fleas (Insecta: Siphonaptera) collected from some small mammals (Mammalia: Rodentia, Eulipotyphla) in Turkey, with new records and new host associations. *Acta Trop* **2020**, *208*, 105522, doi:10.1016/j.actatropica.2020.105522. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
54. Khajeh, A.; Razmi, G.; Darvish, J. A study of ectoparasites in wild rodents of the Jaz Murian area in the southeast of Iran. *Asian Pacific Journal of Tropical Disease* **2017**, *7*, 418-421.
55. Kia, E.; Moghddas-Sani, H.; Hassanpoor, H.; Vatandoost, H.; Zahabiun, F.; Akhavan, A.; Hanafi-Bojd, A.; Telmadarraiy, Z. Ectoparasites of rodents captured in bandar abbas, southern iran. *Iran J Arthropod Borne Dis* **2009**, *3*, 44-49.
56. Kim, K.C.; Emerson, K.C. Sucking lice (Anoplura) from Iranian mammals. *Journal of medical entomology* **1971**, *8*, 7-16.
57. Krasnov, B.R.; Shenbrot, G.I.; Khokhlova, I.S.; Degen, A.A.; Rogovin, K.A. On the biology of Sundevall's jird (Meriones crassus Sundevall, 1842) (Rodentia : Gerbillidae) in the Negev Highlands, Israel. In *Mammalia*, 1996; Vol. 60, p 375.
58. Krasnov, B.R.; Shenbrot, G.I.; Medvedev, S.G.; Vatschenok, V.S.; Khokhlova, I.S. Host-habitat relations as an important determinant of spatial distribution of flea assemblages (Siphonaptera) on rodents in the Negev Desert. *Parasitology* **1997**, *114*, 159-173.
59. Krasnov, B.; Shenbrot, G.; Khokhlova, I.; Medvedev, S.; Vatschenok, V. Habitat dependence of a parasite-host relationship: flea (Siphonaptera) assemblages in two gerbil species of the Negev Desert. *J Med Entomol* **1998**, *35*, 303-313, doi:10.1093/jmedent/35.3.303. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
60. Krasnov, B.R.; Hastriter, M.W.; Medvedev, S.G.; Shenbrot, G.I.; Khokhlova, I.S.; Vatschenok, V.S. Additional records of fleas (siphonaptera) on wild rodents in the southern part of Israel. *Israel Journal of Zoology* **1999**, *45*, 333-340.
61. Krasnov, B.R.; Burdelova, N.V.; Shenbrot, G.I.; Khokhlova, I.S. Annual cycles of four flea species in the central Negev desert. *Med Vet Entomol* **2002**, *16*, 266-276, doi:10.1046/j.1365-2915.2002.00374.x. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
62. Krasnov, B.R.; Khokhlova, I.S.; Shenbrot, G.I. Density-dependent host selection in ectoparasites: An application of isodar theory to fleas parasitizing rodents. *Oecologia* **2003**, *134*, 365-372.
63. Krasnov, B.R.; Morand, S.; Khokhlova, I.S.; Shenbrot, G.I.; Hawlena, H. Abundance and distribution of fleas on desert rodents: Linking Taylor's power law to ecological specialization and epidemiology. *Parasitology* **2005**, *131*, 825-837.
64. Krasnov, B.R.; Shenbrot, G.I.; Khokhlova, I.S.; Hawlena, H.; Degen, A.A. Sex ratio in flea infrapopulations: number of fleas, host gender and host age do not have an effect. *Parasitology* **2008**, *135*, 1133-1141, doi:10.1017/s0031182008004551.
65. Lehmann, T. Ectoparasite impacts on Gerbillus andersoni allenbyi under natural conditions. *Parasitology* **1992**, *104 (Pt 3)*, 479-488, doi:10.1017/s0031182000063745.
66. Lehmann, T. Reproductive activity of Synosternus cleopatrae (Siphonaptera: Pulicidae) in relation to host factors. *J Med Entomol* **1992**, *29*, 946-952, doi:10.1093/jmedent/29.6.946. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
67. Lewis, R.E. A preliminary list of the fleas of Lebanon. *Proceedings of the Royal Entomological Society of London. Series A, General Entomology* **1962**, *37*, 49-60, doi:https://doi.org/10.1111/j.1365-3032.1962.tb00287.x.

68. Lewis, R.E. The fleas (Siphonaptera) of Egypt. New records. *The Journal of parasitology* **1966**, *52*, 1167-1171.
69. Loftis, A.D.; Reeves, W.K.; Szumlas, D.E.; Abbassy, M.M.; Helmy, I.M.; Moriarity, J.R.; Dasch, G.A. Surveillance of Egyptian fleas for agents of public health significance: Anaplasma, bartonella, coxiella, ehrlichia, rickettsia, and Yersinia pestis. *American Journal of Tropical Medicine and Hygiene* **2006**, *75*, 41-48.
70. Mahdi, A.H.; Arafa, M.S. Seasonal observations on the house mouse, Mus musculus (Cretzeschmar, 1826), and its fleas in Alexandria, U.A.R. *The Journal of the Egyptian Public Health Association* **1971**, *46*, 106-113.
71. Mikhail, M.W.; Soliman, M.I.; Abd el, H.A. Infestation rate of tick, mite and lice among rodent species in Menoufia governorate, Egypt. *J Egypt Soc Parasitol* **2010**, *40*, 425-438.
72. Mohammadi, A.; Sedaghat, M.M.; Abai, M.R.; Darvish, J.; Mobedi, I.; Mahmoudi, A.; Mostafavi, E. Wild Rodents and Their Ectoparasites in an Enzootic Plague Focus, Western Iran. *Vector Borne Zoonotic Dis* **2020**, *20*, 334-347, doi:10.1089/vbz.2019.2524. Epub 2020 Feb 20. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
73. Moravvej, G.; Hamidi, K.; Nourani, L.; Bannazade, H. Occurrence of ectoparasitic arthropods (Siphonaptera, Acarina, and Anoplura) on rodents of Khorasan Razavi Province, northeast of Iran. *Asian Pacific Journal of Tropical Disease* **2015**, *5*, 716-720.
74. Morick, D.; Baneth, G.; Avidor, B.; Kosoy, M.Y.; Mumcuoglu, K.Y.; Mintz, D.; Eyal, O.; Goethe, R.; Mietze, A.; Shpigel, N., et al. Detection of Bartonella spp. in wild rodents in Israel using HRM real-time PCR. *Veterinary microbiology* **2009**, *139*, 293-297, doi:10.1016/j.vetmic.2009.06.019.
75. Morick, D.; Krasnov, B.R.; Khokhlova, I.S.; Shenbrot, G.I.; Kosoy, M.Y.; Harrus, S. Bartonella Genotypes in Fleas (Insecta: Siphonaptera) Collected from Rodents in the Negev Desert, Israel. *Applied and Environmental Microbiology* **2010**, *76*, 6864-6869, doi:10.1128/aem.00879-10.
76. Morsy, T.A.; Michael, S.A.; Bassili, W.R.; Saleh, M.S. Studies on rodents and their zoonotic parasites, particularly leishmania, in Ismailiya Governorate, A.R. Egypt. *Journal of the Egyptian Society of Parasitology* **1982**, *12*, 565-585.
77. Morsy, T.A.; Fayad, M.E.; Abou Shady, M.K.; Yousef, N.S. Ectoparasites of rodents in Suez governorate with special reference to fleas. *Journal of the Egyptian Society of Parasitology* **1986**, *16*, 457-468.
78. Morsy, T.A.; el-Ela, R.G.; el Gozamy, B.M. The commensal rodents and their flea fauna in Alexandria City, Egypt. *Journal of the Egyptian Society of Parasitology* **1988**, *18*, 11-28.
79. Morsy, T.A.; El Bahrawy, A.F.; El Dakhil, M.A. Ecto- and blood parasites affecting Meriones rex trapped in Najran, Saudi Arabia. *J Egypt Soc Parasitol* **2001**, *31*, 399-405.
80. Mostafavi, E.; Shahraki, A.H.; Japoni-Nejad, A.; Esmaeili, S.; Darvish, J.; Sedaghat, M.M.; Mohammadi, A.; Mohammadi, Z.; Mahmoudi, A.; Pourhossein, B., et al. A Field Study of Plague and Tularemia in Rodents, Western Iran. *Vector-Borne and Zoonotic Diseases* **2017**, *17*, 247-253, doi:10.1089/vbz.2016.2053.
81. Mumcuoglu, K.Y.; Frish, K.; Sarov, B.; Manor, E.; Gross, E.; Gat, Z.; Galun, R. Ecological studies on the brown dog tick Rhipicephalus sanguineus (Acari: Ixodidae) in southern Israel and its relationship to spotted fever group rickettsiae. *Journal of medical entomology* **1993**, *30*, 114-121.
82. Mumcuoglu, K.Y.; Ioffe-Uspensky, I.; Alkrinawi, S.; Sarov, B.; Manor, E.; Galun, R. Prevalence of vectors of the spotted fever group Rickettsiae and murine typhus in a Bedouin town in Israel. *Journal of Medical Entomology* **2001**, *38*, 458-461, doi:10.1603/0022-2585-38.3.458.
83. Nasereddin, A.; Risheq, A.; Harrus, S.; Azmi, K.; Ereqat, S.; Baneth, G.; Salant, H.; Mumcuoglu, K.Y.; Abdeen, Z. Bartonella species in fleas from Palestinian territories: Prevalence and genetic diversity. *Journal of Vector Ecology* **2014**, *39*, 261-270.
84. Nateghpour, M.; Akhavan, A.A.; Hanafi-Bojd, A.A.; Telmadarraiy, Z.; Ayazian Mavi, S.; Hosseini-Vasoukolaei, N.; Motevalli-Haghi, A.; Akbarzadeh, K. Wild rodents and their ectoparasites in Baluchistan area, southeast of Iran. *Tropical Biomedicine* **2013**, *30*, 72-77.
85. Oyoun, L.M.; el Kammah, K.M.; el Kady, G.A. The fur mite Listrophorus arishi: sp. nov. (Listrophorinae, Listrophoridae) of jerboes in North Sinai, Egypt. *J Egypt Soc Parasitol* **1994**, *24*, 173-176.
86. Pourhossein, B.; Esmaeili, S.; Gyuranecz, M.; Mostafavi, E. Tularemia and plague survey in rodents in an earthquake zone in southeastern Iran. *Epidemiology and Health* **2015**, *37*.
87. Psaroulaki, A.; Antoniou, M.; Papaeustathiou, A.; Toumazos, P.; Loukaides, F.; Tselentis, Y. First detection of Rickettsia felis in Ctenocephalides felis fleas parasitizing rats in Cyprus. *Am J Trop Med Hyg* **2006**, *74*, 120-122.
88. Psaroulaki, A.; Antoniou, M.; Toumazos, P.; Mazeris, A.; Ioannou, I.; Chochlakis, D.; Christophi, N.; Loukaides, P.; Patsias, A.; Moschandrea, I., et al. Rats as indicators of the presence and dispersal of six zoonotic microbial agents in Cyprus, an island ecosystem: a seroepidemiological study. *Transactions of the Royal Society of Tropical Medicine and Hygiene* **2010**, *104*, 733-739, doi:10.1016/j.trstmh.2010.08.005.
89. Psaroulaki, A.; Chochlakis, D.; Ioannou, I.; Angelakis, E.; Tselentis, Y. Presence of Coxiella burnetii in Fleas in Cyprus. *Vector-Borne and Zoonotic Diseases* **2014**, *14*, 685-687, doi:10.1089/vbz.2013.1399.

90. Rahdar, M.; Vazirianzadeh, B.; Rointan, E.S.; Amraei, K. Identification of collected ectoparasites of rodents in the west of Khuzestan Province (Ahvaz and Hovizeh), southwest of Iran. *Asian Pacific Journal of Tropical Disease* **2015**, *5*, 627-631.
91. Reeves, W.K.; Szumlas, D.E.; Moriarity, J.R.; Loftis, A.D.; Abbassy, M.M.; Helmy, I.M.; Dasch, G.A. Louse-borne bacterial pathogens in lice (Phthiraptera) of rodents and cattle from Egypt. *Journal of Parasitology* **2006**, *92*, 312-318, doi:10.1645/0022-3395(2006)92[312:BR]2.0.CO;2.
92. Reeves, W.K.; Loftis, A.D.; Szumlas, D.E.; Abbassy, M.M.; Helmy, I.M.; Hanafi, H.A.; Dasch, G.A. Rickettsial pathogens in the tropical rat mite Ornithonyssus bacoti (Acari: Macronyssidae) from Egyptian rats (Rattus spp.). *Experimental and Applied Acarology* **2007**, *41*, 101-107, doi:10.1007/s10493-006-9040-3.
93. Rifaat, M.A.; Morsy, T.A.; Abdel Mawla, M.M. Seasonal activity of Rattus norvegicus and flea index in Port Said Governorate, Egypt. *J Egypt Soc Parasitol* **1981**, *11*, 525-532.
94. Rzotkiewicz, S.; Gutiérrez, R.; Krasnov, B.R.; Morick, D.; Khokhlova, I.S.; Nachum-Biala, Y.; Baneth, G.; Harrus, S. Novel evidence suggests that a 'Rickettsia felis-like' organism is an endosymbiont of the desert flea, Xenopsylla ramesis. *Mol Ecol* **2015**, *24*, 1364-1373, doi:10.1111/mec.13106. Epub 2015 Mar 6. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
95. Sanborn, C.C.; Hoogstraal, H. *Some mammals of Yemen and their ectoparasites*; Chicago Natural History Museum: Chicago, 1953.
96. Shamsi, M.; Stekolnikov, A.A.; Saboori, A.; Hakimitabar, M.; Golpayegani, A.Z. Contributions to the fauna of chigger mites (Acariformes: Trombiculidae) of Iran. *Zootaxa* **2020**, *4834*, 301-355.
97. Shayan, A.; Rafinejad, J. Arthropod parasites of rodents in Khorram Abbad district, Lorestan Provincen of Iran. *Iranian Journal of Public Health* **2006**, *35*, 70-76.
98. Shirazi, S.; Bahadori, F.; Mostafaei, T.S.; Ronaghi, H. First report of Polyplax sp. in a Persian squirrel (Scuirus anomalus) in Tabriz, Northwest of Iran. *Türkiye parazitolojii dergisi / Türkiye Parazitoloji Derneği = Acta parasitologica Turcica / Turkish Society for Parasitology* **2013**, *37*, 299-301, doi:10.5152/tpd.2013.3085.
99. Soliman, S.; Main, A.J.; Marzouk, A.S.; Montasser, A.A. Seasonal studies on commensal rats and their ectoparasites in a rural area of Egypt: The relationship of ectoparasites to the species, locality, and relative abundance of the host. *Journal of Parasitology* **2001**, *87*, 545-553.
100. Soliman, S.; Marzouk, A.S.; Main, A.J.; Montasser, A.A. Effect of sex, size, and age of commensal rat hosts on the infestation parameters of their ectoparasites in a rural area of Egypt. *J Parasitol* **2001**, *87*, 1308-1316, doi:10.1645/0022-3395(2001)087[1308:EOSSAA]2.0.CO;2. RAYYAN-INCLUSION: {"Md Mazharul"=>"Included"}.
101. Soliman, M.I.; Abd El-Halim, A.S.; Mikhail, M.W. Rodent borne diseases and their fleas in Menoufia Governorate, Egypt. *Journal of the Egyptian Society of Parasitology* **2010**, *40*, 107-117.
102. Stekol'nikov, A.A. A new subgenus and species of the chigger mite genus Neotrombicula (Acari: Trombiculidae). *Acarologia* **1999**, *40*, 407-412.
103. Stekolnikov, A.A.; Al-Ghamdi, S.Q.; Alagaili, A.N.; Makepeace, B.L. First data on chigger mites (Acariformes: Trombiculidae) of Saudi Arabia, with a description of four new species. *Systematic and Applied Acarology* **2019**, *24*, 1937-1963.
104. Tajedin, L.; Rassi, Y.; Oshaghi, M.; Telmadarraiy, Z.; Akhavan, A.; Abai, M.; Arandian, M. Study on Ectoparasites of Rhombomys opimus, the Main Reservoir of Zoonotic Cutaneous Leishmaniasis in Endemic Foci in Iran. *Iran J Arthropod Borne Dis* **2009**, *3*, 41-45.
105. Telmadarraiy, Z.; Vatandoost, H.; Mohammadi, S.; Akhavan, A.A.; Abai, M.R.; Rafinejad, J.; Kia, E.B.; Naini, F.F.; Jedari, M.; Aboulhasani, M. Determination of Rodent Ectoparasite Fauna in Sarpole-Zahab District, Kermanshah Province, Iran, 2004-2005. *Iranian Journal of Arthropod-Borne Disease* **2007**, *1*, 5.
106. Uslu, U.; Dik, B.; Gökçen, A. Ectoparasites of the ground squirrel (Citellus citellus (L.)) in Turkey. *Turkiye Parazitol Derg* **2008**, *32*, 142-145.
107. Yeruham, I.; Hadani, A.; Galker, F.; Rosen, S. The occurrence of Ixodes-Eldaricus (Dzhaparidze, 1950) (Acarina, Ixodidae) in Israel. *Acarologia* **1995**, *36*, 191-193.
108. Younis, T.A.; Fayad, M.E.; el Hariry, M.A.; Morsy, T.A. Interaction between acari ectoparasites and rodents in Suez Governorate, Egypt. *Journal of the Egyptian Society of Parasitology* **1995**, *25*, 377-394.
109. Yousefi, A.; Nosrati, M.R.C.; Karimi, A.; Naisi, S. Leptopsylla taschenbergi taschenbergi (Siphonaptera: Leptopsyllidae), new flea from Iran. *Asian Pacific Journal of Tropical Disease* **2015**, *5*, 606-607.
110. Yousefi, A.; Rahbari, S.; Eslami, A. Ectoparasites associated with small mammals (orders Insectivora, Eulipotyphla, and Rodentia) in Razan plain, western region of Iran. *Comparative Clinical Pathology* **2018**, *27*, 667-671.
111. Zarei, Z.; Mohebali, M.; Heidari, Z.; Kia, E.B.; Azarm, A.; Bakhshi, H.; Davoodi, J.; Hassanpour, H.; Roohnavaz, M.; Khodabakhsh, M., et al. Wild Rodent Ectoparasites Collected from Northwestern Iran. *Journal of Arthropod-Borne Diseases* **2017**, *11*, 36-41.
112. Zeese, W.; Khalaf, S.A.; Abou el-Ela, R.G.; Morsy, T.A. Rodents and their ectoparasites in Sharkia Governorate, Egypt. *Journal of the Egyptian Society of Parasitology* **1990**, *20*, 827-835.
113. Zendehfili, H.; Zahirnia, A.H.; Maghsood, A.H.; Khanjani, M.; Fallah, M. Ectoparasites of rodents captured in Hamedan, Western Iran. *Journal of Arthropod-Borne Diseases* **2015**, *9*, 267-273.