

## **BIOGRAPHICAL SKETCH**

**Name: Kosta Y. Mumcuoglu**

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### **EDUCATION**

BSc 1972 Dept. of Zoology, University of Basel, Switzerland

PhD 1975 Dept. of Zoology and Dept. of Dermatology, Medical School, University of Basel, Switzerland

### **ACADEMIC POSITIONS**

1975 Visiting Scientist. Dept. of Medical Entomology, Hebrew University, Jerusalem

1975-1980 Research Biologist. Dept. of Dermatology, Medical School, University of Basel

1978 Visiting Scientist. Pest Control Dept., Agricultural College of Teheran University

1980-1983 Research Biologist. Dept. of Parasitology, University of Zurich, Switzerland

1983-1985 Research Biologist. Dept. of Zoology, Hebrew Univ. Jerusalem

1985-present Research Fellow, Dept. of Parasitology, Hadassah Medical School, Jerusalem

2004-present Adjunct Professor of Parasitology at the Cumhuriyet University, Sivas, Turkey

2006-present Associated Professor of Parasitology, Turkey

### **TEACHING**

1985-present Lecturer in the BSc or MSc course "Medical Entomology" for biology students in Hebrew University, Jerusalem

1995-present Lecturer in the course "Seminars in Molecular Microbiology" for biology students in Hebrew University, Jerusalem

1997-present Lecturer in the course "Seminars for Students in Medicine", Institute of Microbiology, Hebrew University, Jerusalem

1997-present Lecturer in the course "Pharmacotherapy" in the School of Pharmacy, Hebrew University, Jerusalem

2006-2017 Senior lecturer for the course "Medical Parasitology" for the Hadassah Community College of Technology in Jerusalem

2006-present Lecturer for the courses "Veterinary Entomology" and "Practical Exercises in Veterinary Entomology" in the Koret School of Veterinary Medicine, Hebrew University, Rehovot

2011-present Lecturer in the course "Natural Substances in Pharmacy and Medicine" (Prof. Arik Dahan) in the School of Pharmacy, Ben Gurion University, Beer Sheva

## **SPECIAL STUDIES**

- 1965-1972 Tropical medicine and parasitology (Tropical Institute Basel)
- 1979 Allergy and clinical immunology (University Hospital Zurich)
- 1981-1982 Teaching methods for lecturers (University of Zurich)
- 1993 Biology of diseases vectors (Colorado State University)
- 1994 Advanced methods in medical and veterinary vector control (Imperial College and London School of Hygiene & Tropical Medicine)

## **MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

Entomological Society of America  
Entomological Society of Israel  
Israel Society for Parasitology, Protozoology and Tropical Diseases  
Swiss Society for Dermatology and Venereology  
International Society on Biotherapy  
International Society of Phthiraptera

## **AWARDS**

- The Wilhelm-Lutz Award (1983) by the Swiss Society of Dermatology and Venereology
- Corresponding member of the Swiss Society of Dermatology and Venereology (2002)
- Outstanding Teachers Award for the years 2003/2004 from the School of Medicine, Hebrew University, Jerusalem
- The William S. Baer Award for outstanding service in the advancement of biotherapy (2010), conferred by the BioTherapeutics, Education & Research (BTER) Foundation
- Honorary Member of the Entomological Society of Israel (2012)
- Outstanding Teachers Award for the years 2012, 2013 (twice), 2015 (twice) and 2018 from the Faculty of Agriculture, Koret School of Veterinary Medicine, The Hebrew University, Jerusalem
- Honorary Member of the World Hirudotherapy Organization (2019)
- Recognition for Contribution to Traditional and Complementary Medicine: Hirudotherapy Society of Kazakhstan (2019)

## **APPOINTMENTS**

Secretary of the Israel Society for Parasitology (1990-1994)  
Secretary of the Israel Society for Protozoology (1994-1995)  
Secretary of the Israel Society for Parasitology, Protozoology and Tropical Diseases (2000-2008)  
Executive Member of the Israel Society for Parasitology, Protozoology and Tropical Diseases (2008-present)  
Member of the National Committee on Allergy and Clinical Immunology, section: Indoor allergies (1992-present)  
Representative of the Israel Society for Parasitology, Protozoology and Tropical Diseases in the Federation of the Israeli Societies of Experimental Biology (1994-present)  
Member of the committee on head lice and scabies of the Ministry of Health in Israel (1997-present)

Member of the executive board of the International Society of Biotherapy (1996-1998)  
President of the International Society of Biotherapy (1998-2010).  
Past-President of the International Society of Biotherapy (2010-present)  
Chair of the Organizing Committee of the Third International Conference on Biotherapy (1998) in Jerusalem, Fifth International Conference on Biotherapy (2000) in Wurzburg, Germany, and Sixth International Conference on Biotherapy (2002) in Sivas, Turkey; Member of the International Organizing Committee of the Seventh International Conference on Biotherapy (2007) in Seoul, Korea and of the Eighth International Conference on Biotherapy (2010), Los Angeles, USA.  
Executive member of the Organizing Committee of the Fifth International Conference on Phthiraptera (2006) in Buenos Aires, Argentine and chair of the Scientific Program Committee.  
Chair of the International Organizing Committee of the Fourth International Conference on Phthiraptera, Urgup, Cappadocia, Turkey (2010)  
President of the International Society of Phthirapterists (2010-2014)  
Past-president of the International Society of Phthirapterists (2014-present)  
Member of the International Organizing Committee of the 10th. European Multicolloquium of Parasitology, Paris, France (2008)  
Medical Advisory Consultant of the Rosacea Research & Development Institute (2008)  
Associated Curator to the National Natural History Collections (Ixodoidea/Ticks)  
President of the International Society of Biotherapy (2015-present)  
Member of the Governing Board of the Entomological Society of Israel (2017)

## **EDITORIAL ACTIVITIES**

Associated Editor of the PLoS Neglected Tropical Diseases (2006)  
Member of the Editorial Panel of the International Journal of Pest Management (2006)  
Member of the Consultation Board of the American-Eurasian Journal of Scientific Research (2006)  
Member of the Consultation Board of the Turkish Journal of Hygiene and Experimental Biology (2006)  
Member of the International Advisory Board of the Turkish Journal of Parasitology (2006)  
Member of the Editorial Board of the Journal of Clinical, Cosmetic and Investigational Dermatology (2008)  
Member of the Editorial Board of the journal ISRN Veterinary Science (2010)  
Member of the Editorial Board of the journal Tropical Parasitology (2012)  
Member of the Editorial Board of the Journal Tropical Diseases (2012)  
Member of the Editorial Board of the Journal Tropical Diseases and Public Health (2013)  
Editor on International Affairs of the Cumhuriyet Medical Journal (2014)  
Member of the Editorial Board of the Middle Black Sea Journal of Health Science (2016)  
Member of the Editorial Board of the Israel Journal of Entomology (2017)

**LANGUAGES:** English, German, French, Hebrew, Greek and Turkish

**REPRESENTATIVE PUBLICATIONS (OF MORE THAN 250 PUBLISHED OR IN PRESS) (NINE OF THEM AS CHAPTERS OF BOOKS)**

- Mumcuoglu, K.Y., K. Frish, B. Sarov, E. Manor, E. Gross, Z. Gat and R. Galun. 1993. Ecological studies on the brown dog tick *Rhipicephalus sanguineus* in Southern Israel and its relationship to spotted fever group rickettsiae. *J. Med. Entomol.* 30:114-121.
- Weiss, M., I. Glazer, K.Y. Mumcuoglu, Y. Elking & R. Galun. 1993. Infectivity of steinerematid and heterorhabditid nematodes for the human body louse *Pediculus humanus humanus* (Anoplura: Pediculidae). *Fundam. appl. Nematol.* 16: 489-493.
- Mumcuoglu, K.Y., Y. Abed, B. Armenios, S. Shaheen, J. Jacobs, S. Bar-Sela & E. Richter. 1994. Asthma in children of refugee camps in Gaza and its relationship with house dust mites. *Ann. Allergy* 72:163-166.
- Kivity, S., A. Solomon, R. Soferman, Y. Schwarz, K.Y. Mumcuoglu & M. Topilsky. 1993. Mite asthma in childhood: A study of the relationship between exposure to house dust mites and disease activity. *J. Allergy Clin. Immunol.* 91:844-849.
- Ben-Yakir, D., K.Y. Mumcuoglu, O. Manor, J. Ochanda & R. Galun. 1994. Immunization of rabbits with a midgut extract of the human body louse (*Pediculus humanus humanus*); the effect of induced resistance on the louse population. *Med. Vet. Entomol.* 8:114-118.
- Mumcuoglu, K.Y., J. Hemingway, J. Miller, I. Ioffe-Uspensky, S. Klaus, F. Ben-Ishai & R. Galun. 1995. Permethrin resistance in the head louse *Pediculus capitis* from Israel. *Med. Vet. Entomol.* 9:427-432.
- Mumcuoglu, K.Y., E. Rahamim, D. Ben-Yakir, J.O. Ochanda & R. Galun. 1995. Localization of immunogenic antigens on the midgut of the human body louse *Pediculus humanus humanus* (Anoplura: Pediculidae). *J. Med. Entomol.* 33:74-77.
- Ochanda, J.O., K.Y. Mumcuoglu, D. Ben-Yakir, J.K. Okuru, V.O. Oduol & R. Galun. 1996. Characterization of body louse midgut proteins recognized by resistant hosts. *Med. Vet. Entomol.* 10:35-38.
- Mumcuoglu, K.Y., D. Ben-Yakir, S. Gunzberg, J.O. Ochanda & R. Galun. 1996. Immunogenic proteins in the body and faecal material of the human body louse, *Pediculus humanus humanus*, and their homology to antigens of other lice species. *Vet. Med. Entomol.* 10:105-107.
- Guberman, D., K.Y. Mumcuoglu, A. Keysari, I. Ioffe-Uspensky, J. Miller & R. Galun. 1996. Prevalence of spotted fever group rickettsiae in ticks from Southern Israel. *J. Med. Entomol.* 33:979-982.
- Mumcuoglu, K.Y., R. Galun, Y. Kaminchik, A. Panet & A. Levanon. 1996. Anti-hemostatic activity in salivary glands of the human body louse, *Pediculus humanus humanus* (Anoplura: Pediculidae). *J. Insect Physiol.* 42: 1083-1087.
- Mumcuoglu, K.Y., D. Ben-Yakir, J.O. Ochanda, J. Miller & R. Galun. 1997. Immunization of rabbits with faecal extract *Pediculus humanus*, the human louse: effects on louse development and reproduction. *Med. Vet. Entomol.* 11: 315-318.
- Mumcuoglu, K.Y., M. Lipo, I. Ioffe-Uspensky, J. Miller, I. Turkeltaub & R. Galun. 1997. Maggot therapy for the treatment of gangrene and osteomyelitis. *Harefuah* 132: 323-325.
- Mumcuoglu, K.Y., A. Ingber, L. Gilead, J. Stessman, R. Friedman, H. Schulman, H. Bichucher, I. Ioffe-Uspensky, J. Miller, R. Galun & I. Raz. 1998. Maggot therapy for the treatment of diabetic foot ulcers. *Diabetes Care*, 21:2030-2031.
- Hemingway, J., J. Miller & K.Y. Mumcuoglu. 1999. Pyrethroid resistance mechanisms in

- the head louse *Pediculus capitis* from Israel: implications for control. *Med. Vet. Entomol.* 13: 89-96.
- Mumcuoglu, K.Y., A. Ingber, L. Gilead, J. Stessman, R. Friedmann, H. Schulman, H. Bichucher, I. Ioffe-Uspensky, J. Miller, R. Galun & I. Raz. 1999. Maggot therapy for the treatment of intractable wounds. *Intl. J. Dermatol.* 8: 623-627.
- Mumcuoglu, K.Y., Z. Gat, T. Horowitz, J. Miller, R. Bar-Tana, A. Ben-Zvi & Y. Naparstek. 1999. Abundance of house dust mites in relation to climate in contrasting agricultural settlements in Israel. *Med. Vet. Entomol.* 13: 252-258.
- Ochanda, J.O., E.A.C. Oduor, R. Galun, M.O. Imbuta & K.Y. Mumcuoglu. 2000. Partial purification of the aminopeptidase from the midgut of the human body louse, *Pediculus humanus humanus*. *Physiol. Entomol.* 25: 242-246.
- Mumcuoglu, K.Y., I. Ioffe-Uspensky, S. Alkrinawi, B. Sarov, E. Manor & R. Galun. 2001. Prevalence of vectors of the spotted fever group rickettsiae and murine typhus in a Bedouin town in Israel. *J. Med. Entomol.* 38: 458-461.
- Mumcuoglu, K.Y., J. Miller, M. Mumcuoglu, M. Friger & M. Tarshis. 2001. Destruction of bacteria in the digestive tract of the maggot of *Lucilia sericata* (Diptera: Calliphoridae). *J. Med. Entomol.* 38: 161-166.
- Mumcuoglu, K.Y., M. Friger, I. Ioffe-Uspensky, F. Ben-Ishai & J. Miller. 2001. Louse comb versus direct visual examination for the diagnosis of head louse infestations. *Pediatr. Dermatol.* 18: 9-12.
- Mumcuoglu, K.Y., I. Ioffe-Uspensky, S. Alkrinawi, B. Sarov, E. Manor & R. Galun. 2001. Prevalence of vectors of the spotted fever group rickettsiae and murine typhus in a Bedouin town in Israel. *J. Med. Entomol.* 38: 458-461.
- Sherman, R. A., J. M-T Sherman, L. Gilead, M. Lipo & K.Y. Mumcuoglu. 2001. Maggot debridement therapy in outpatients. *Arch. Phys. Med. Rehabil.* 82: 1226-1229.
- Leo, N.P., N.J.H Campbell, X. Yang, K.Y. Mumcuoglu & S.C. Barker. 2002. Evidence from mitochondrial DNA that the head lice and the body lice of humans (Phthiraptera: Pediculidae) are conspecific. *J. Med. Entomol.* 39: 662-666.
- Akilov, O.E. & K.Y. Mumcuoglu. 2003. Association between human demodicosis and HLA class I. *Clin. Exp. Dermatol.* 28: 70-73.
- Lee, S.H, J.-R. Gao, K.S. Yoon, K.Y. Mumcuoglu, D. Taplin, J.D. Edman, M. Takano-Lee & J.M. Clark. 2003. Sodium channel mutations associated with knockdown resistance in the human head louse, *Pediculus capitis* (De Geer). *Pest. Biochem. Physiol.* 75: 79-91.
- Akilov, O.E. & K.Y. Mumcuoglu. 2004. Immune response in demodicosis. *J. Eur. Acad. Dermatol. Venereol.* 18: 440-444.
- Mumcuoglu, K.Y., N. Galilli, A. Reshef, P. Brauner & Hanita Grant. 2004. The use of human lice in forensic entomology. *J. Med. Entomol.* 41: 803-806.
- Mumcuoglu, K.Y., S. Magdassi, J. Miller, F. Ben-Ishai, G. Zentner, V. Helbin, M. Friger, F. Kahana & A. Ingber. 2004. The in vivo repellency of a citronella formulation for the human head louse, *Pediculus humanus capitis*. *Isr. Med. Assoc. J.* 6: 756-759.
- Mumcuoglu K.Y., C. Banet-Noach, M. Malkinson, U. Shalom & R. Galun. 2005. Argasid ticks as possible vectors of West Nile virus in Israel. *Vector Borne Zoonot. Dis.* 5: 65-71.
- Mumcuoglu, K.Y. & O.E. Akilov. 2005. The Role of HLA A2 and CW2 in the pathogenesis of human demodicosis. *Dermatology* 210: 109-114.
- Akilov, O.E., Y.S. Butov & K.Y. Mumcuoglu. 2005. A clinico-pathological approach to the classification of human demodicosis. *JDDG* 8: 607-614.

- Mumcuoglu, K.Y., T. Meinking, C.N. Burkhart & C.G. Burkhart. 2006. Head louse infestation: the “no-nit” policy and its consequences. *Intnt. J. Dermatol.* 45: 891-896.
- Huberman, L., N. Gollop, K.Y. Mumcuoglu, C. Blockc & R. Galun. 2007. Antibacterial properties of the whole body extracts and hemolymph of *Lucilia sericata* maggots. *J. Wound Care* 16: 123-127.
- Huberman, L., N. Gollop, K.Y. Mumcuoglu, E. Breuer, S.R. Bhusare, Y. Shai & R. Galun. 2007. Antibacterial substances of low molecular weight isolated from *Lucilia sericata* (Diptera: Muscidae). *Med. Vet. Entomol.* 21: 127-131.
- Mumcuoglu, K.Y., S.C. Barker, I.F. Burgess, C. Combescot-Lang, R.C. Dagleish, K.S. Larsen, J. Miller, R.J. Roberts & A. Taylan-Ozkan. 2007. International guidelines for effective control of head louse infestations. *J. Drugs Dermatol.* 6: 409-414.
- Keysary, A., R. Massung, M. Inbar, A. Wallach, U. Shanas, K.Y. Mumcuoglu & T. Waner. 2007. First direct evidence of the prevalence of *Anaplasma phagocytophilum* in Israel. *EID* 13: 1411-1412.
- Mumcuoglu, K.Y., Carole Pidhorz, Rivka Cohen, Andre Ofek & Howard A. Lipton. 2007. The use of the medicinal leech, *Hirudo medicinalis*, in the reconstructive plastic surgery. *The Internet Journal of Plastic Surgery.* Vol. 4 Number 2.
- Teplinsky, V., K.Y. Mumcuoglu, I. Babai, I. Dalal, R. Cohen & A. Tanay. 2008. House dust mites on skin, clothes and bedding of atopic dermatitis patients. *Intl. J. Dermatol.* 47: 790-795.
- Mumcuoglu, K.Y., J. Gabbay & G. Borkow. 2008. Copper oxide impregnated fabrics for the control of house dust mites. *International Journal of Pest Management* 54: 235-240.
- Mumcuoglu, K.Y. & L. Gilead. 2008. Treatment of scabies infestations. *Parasite* 15: 248-251.
- Braverman, Y., A. Chizov-Ginsburg, M. Friger & K.Y. Mumcuoglu. 2008. Nocturnal activity of *Culicoides imicola* Kieffer (Diptera: Ceratopogonidae) in Israel. *Russian Entomol. J.* 17: 37-39.
- Mumcuoglu, K.Y., M. Mumcuoglu, M. Danilevich & L. Gilead. 2008. Physician’s knowledge in Israel on the biology and control of head lice (in Hebrew). *Harefuah* 147: 754-757.
- Mumcuoglu, K.Y. 2008. The louse comb: past and present. *Amer. Entomol.* 54: 164-166.
- Braverman, Y. & K.Y. Mumcuoglu. 2009. Newly emerged nulliparous *Culicoides imicola* Kieffer (Diptera: Ceratopogonidae) with pigmented abdomen. *Med. Vet. Entomol.* 160: 356-358. DOI:10.1016/j.vetpar.2008.11.016.
- Mumcuoglu, K.Y., L. Huberman, R. Cohen, V. Temper, A. Adler, R. Galun & C. Block. 2009. Elimination of symbiotic *Aeromonas* spp. from the intestinal tract of the medicinal leech, *Hirudo medicinalis* using ciprofloxacin feeding. *Clin. Microbiol. Infect.* DOI:10.1111/j.1469-0691.2009.02868.x,
- Mumcuoglu, K.Y., L. Gilead & A. Ingber. 2009. New Insights in pediculosis and scabies. *Exp. Rev. Dermatol.* 4: 285-302.
- Levin, M.L., L. Killmaster, G. Zemtsova, D. Grant, K.Y. Mumcuoglu, M.E. Eremeeva & G.A. Dasch. 2009. Incongruent effects of two isolates of *Rickettsia conorii* on the survival of *Rhipicephalus sanguineus* ticks. *Exp. Appl. Acarol.* DOI:10.1007/s10493-009-9268-9
- Morick M, G. Baneth, B. Avidor, MY Kosoy, KY Mumcuoglu, D. Mintz, O. Eyal, N. Shpigel & S. Harrus. 2010. Detection of *Bartonella* spp. in wild rodents in Israel using HRM real-time PCR. *Vet. Microbiol.* 2009; 139: 293-297.

- Mumcuoglu, K.Y. & O.E. Akilov. 2010. The role of Demodex mites in the pathogenesis of rosacea and blepharitis and their control. *J. Rosacea Res. Dev. Inst.* 1: 47-54.
- Harrus S, Perlman-Avrahami A, Mumcuoglu KY, Morick D, Baneth G. Molecular detection of *Rickettsia massiliae*, *Rickettsia sibirica mongolitimonae* and *Rickettsia conorii israelensis* in ticks from Israel. *Clin Microbiol Infect.* 2010. Epub ahead of print. DOI. 10.1111/j.1469-0691.2010.03224.x
- Mumcuoglu, K.Y., M. Danilevich, O Zelig, H. Grinbaum, M. Friger & T.L. Meinking. 2010. The effect of blood group and blood handling on feeding success, longevity and egg production of the body louse, *Pediculus humanus humanus*. *Med. Vet. Entomol.* (in press).
- Harrus S, Perlman-Avrahami A, Mumcuoglu KY, Morick D, Baneth G. 2010. Molecular detection of *Ehrlichia canis*, *Anaplasma bovis*, *Anaplasma platys*, *Candidatus Midichloria mitochondrii* and *Babesia canis vogeli s* in ticks from Israel. *Eur. Soc. Clin. Microbiol. Infect. Dis.* (in press)
- Yeruham, I., M. Van Ham, Y. Stram, O. Friedgut, H.Yadin, K.Y. Mumcuoglu & Y. Braverman. 2010. Epidemiological investigation of bovine ephemeral fever outbreaks in Israel. *Vet. Med. Intern.* Vol. 2010 (2010), Article ID 290541, 5 pages. doi:10.4061/2010/290541.
- Zemtsova, G., L. F. Killmaster, K. Y. Mumcuoglu & M. L. Levin. 2010. Co-feeding as a route for transmission of *Rickettsia conorii israelensis* between *Rhipicephalus sanguineus* ticks. *Exp Appl Acarol*, DOI 10.1007/s10493-010-9375-7.
- Mumcuoglu, KY. & Y. Braverman. 2010. Parasitic and phoretic mites of Diptera in Israel and the Sinai Peninsula, Egypt. *Isr. J. Entomol.* 40: 195-203.
- Mumcuoglu, K.Y. & U. Shalom. 2011. Questionnaire survey of common bed bug (*Cimex lectularius*) infestations in Israel. *Isr. J. Entomol.* 40: 1-10.
- Mumcuoglu, K.Y. & E. Ron. 2011. Nasal myiasis due to *Oestrus ovis* larvae in Israel. *Israel Med. Assoc. J.* 13: 379-380.
- Levi, A, K.Y. Mumcuoglu, A. Ingber & C.D. Enk. 2011. Assessment of *Sarcoptes scabiei* viability in vivo by Reflectance Confocal Microscopy. *Lasers Med. Sci.* DOI 10.1007/s10103-011-0894-1.
- Mumcuoglu, K.Y. 2011. Mankind and the louse – An historical overview. In: Mumcuoglu, K.Y. (ed.) 2011. Current head lice treatment: Dimeticone – effective and safe. Fourth International Conference on Phthiraptera, Urgup, Turkey, June 13-18, 2010. Satellite Symposium. Rasch Verlag, Bramsche, pp. 11-16.
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- Braverman, Y., U. Marchaim, L. Glatman, V. Drabkin, A. Chizov-Ginzburg, K. Y. Mumcuoglu & A. Gelma. 2011. Bioconversion of poultry and fish waste by *Lucilia sericata* and *Sarcophaga carnaria* larvae. *Asian J. Water Environ. Pollut.* 8: 69-75.
- Mumcuoglu, K.Y. 2012. Mortality of Nile crocodile (*Crocodylus niloticus*) eggs caused by the floor beetle (*Tribolium castaneum*). *Open J. Vet. Med.* 2: 9-12.
- Gilead, L., K.Y. Mumcuoglu & A. Ingber. 2012. The use of maggot debridement therapy in the treatment of chronic wounds in hospitalised and ambulatory patients. *J. Wound Care* 21: 78-85.

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- Levi, A., K. Y. Mumcuoglu, A. Ingber and C. D. Enk. 2012. Detection of living *Sarcoptes scabiei* larvae by reflectance mode confocal microscopy in the skin of a patient with crusted scabies. *J. Biomed. Optics* 17, Issue 6.
- Barker, S., I. Burgess, T.L. Meinking & K.Y. Mumcuoglu. 2012. International guidelines for clinical trials with pediculicides. *Intnl. J. Dermatol.* 51: 853-858.
- Mumcuoglu, K.Y., E. Davidson, A. Avidan & L. Gilead. 2012. Pain related to maggot debridement therapy. *J. Wound Care* 21: 400-405.
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- Lindh, J. & K.Y. Mumcuoglu. 2012. Molecular analysis of pyrethroid resistance in *Pediculus humanus capitis* from Israel. *Trends Entomol.* 8: 37-41.
- Kamani J, G. Baneth, KY Mumcuoglu, NE Waziri, O Eyal, Y Guthmann, S Harrus. 2013. Molecular detection and characterization of tick-borne pathogens in dogs and ticks from Nigeria. *PLoS NTDs* (<http://www.plosntds.org/article/info%3Adoi%2F10.1371%2Fjournal.pntd.0002108>).
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- Sherman, R.A., K.Y. Mumcuoglu, M. Grasberger & T.I. Tantawi. 2013. Maggot Therapy. In: Grassberger, M., R.A. Sherman, O. Gileva, C.M.H. Kim & K. Y. Mumcuoglu (Eds). *Biotherapy - History, Principles and Practice: A Practical Guide to the Diagnosis and Treatment of Disease using Living Organisms.* Springer Pub., Heidelberg, pp. 5-29.
- Gileva, O.S. & K.Y. Mumcuoglu. 2013. Hirudotherapy. In: Grassberger, M., R.A. Sherman, O. Gileva, C.M.H. Kim & K. Y. Mumcuoglu (Eds). 2013. *Biotherapy - History, Principles and Practice: A Practical Guide to the Diagnosis and Treatment of Disease using Living Organisms.* Springer Pub., Heidelberg, pp. 31-76.
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