

Curriculum Vitae
Joseph Saragusty

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ITALY

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Date of birth: 21.01.1957
Nationality: Israeli, Portuguese
Family status: separated, two children

Education	2018	Italian Academic Habilitation as Full Professor in Veterinary Clinical Surgery and Obstetrics
	2007–2010	Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany Post-Doctoral Fellow
	2005–2010	Hebrew University of Jerusalem, Rehovot, Israel. Doctor of Philosophy Thesis title: <i>Technique to Collect and Cryopreserve Sperm from Endangered Species</i>
	2000–2004	Hebrew University of Jerusalem, Rehovot, Israel. Doctor of Veterinary Medicine
	1997–2000	Hebrew University of Jerusalem, Rehovot, Israel. Bachelor of Science in Animal Science <i>Magna Cum Laude</i>
	1986–1987	National Taiwan University, Taipei, Taiwan. Graduate Studies in Modern Chinese Literature
	1983–1986	Hebrew University of Jerusalem, Jerusalem, Israel. Graduate Studies in Modern Chinese Literature
	1982–1983	Inter University Program for Chinese Language Studies, Taipei, Taiwan. Program Graduate
	1979–1982	Hebrew University of Jerusalem, Jerusalem, Israel. Bachelor of Arts in Chinese Studies <i>Magna Cum Laude</i>
Professional Experience	2020–2023	University of Teramo, Teramo, Italy Post-Doctoral Fellow

Joseph Saragusty, Curriculum Vitae

2019–present	Freelance scientific language translating, writing, and editing (including for Editage, EditorBar, Oxford Science Editing, and clients in Israel from the Hebrew University of Jerusalem, Tel-Aviv University, Ben-Gurion University of the Negev, and Bar Ilan University). Freelance Scientific Language Editor and Translator
2017–2019	University of Teramo, Teramo, Italy Senior Scientist Marie Skłodowska-Curie Actions Individual Fellowship
2015–2016	Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany Senior Scientist
2011–2014	Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany Scientist
2005–2006	The Volcani Center, Agricultural Research Organization, Ministry of Agriculture and Rural development, Rehovot, Israel. Veterinarian
2001–2002	The Hebrew University of Jerusalem, Rehovot, Israel. Koret school of veterinary medicine. Teaching Assistant
2000–2003	The Veterinary Teaching Hospital of the Hebrew University of Jerusalem, Bet-Dagan, Israel. Emergency and intensive care department Technician
1994–1997 1992–1993 1987–1989	Southern California Associates Co., Ltd., Taipei, Taiwan - Research and Development Department Employee → Office Manager → Vice President for Far Eastern Operations
1991	Pavilion Investment Ltd., Hong Kong. Assistant Manager
1989–1990	The Eisenberg Group of Companies, Tel Aviv, Israel. Far Eastern Department Executive
1980–1982 1983–1986	King Solomon Sheraton Hotel, Jerusalem, Israel. Room Service Waiter → Restaurants' Manager

Research Interests Endangered species reproduction; Assisted reproduction management; Elephant and Rhino reproduction; Preservation of living gametes, embryos, cells, and tissues; Genetic resource banks; Sperm sexing and factors affecting offspring sex ratio; Animal welfare and related ethics; Imaging and morphology.

Personal interests include animals, nature, reading, cooking, writing, translating, and travelling that is often combined with scuba diving.

Languages Hebrew – Speak, Read, and Write (Mother tongue)
English – Speak, Read, and Write
Chinese (Mandarin) - Speak, Read, and Write
German – very basic speaking and reading ability
Italian – very basic speaking and reading ability

Awards and Honours

2014	Recognition of contribution for ‘Current progress in oocyte and embryo cryopreservation by slow freezing and vitrification’ (<i>Reproduction</i> 141: 1–19, 2011) as one of the top 10 cited papers during the years 2011–2012.
2012	Recognition of contribution for ‘Current progress in oocyte and embryo cryopreservation by slow freezing and vitrification’ (<i>Reproduction</i> 141: 1–19, 2011) as one of the 10 most downloaded review articles during first four months from publication date for 2011.
2012	Winner of the Leibniz Institute for Zoo and Wildlife Research Best Publication of the Year Award.
2010	Recognition of Outstanding Contribution for ‘Obstetrics in Elephants’ (<i>Theriogenology</i> 70: 131–144, 2008) as one of the 25 most downloaded articles for 2009.
2004	Winner of the Yankunesku scholarship of the Israeli Veterinary Services, Ministry of Agriculture and Rural Development, for a research paper on cryopreservation of the Asian Elephant spermatozoa.
1988	Southern California Associates co., Ltd., Taipei, Taiwan Employee of the year.
1984	Winner of the Harry Hershon Literature Competition for translating Chinese poetry from Chinese into Hebrew.

Ad-Hoc Journal Reviewer

- Acta Theriologica
- Animal Conservation
- Animal Reproduction Science

Joseph Saragusty, Curriculum Vitae

- Annals of Animal Science
- Asian Journal of Andrology
- Biopreservation and Biobanking
- Folia Biologica
- International Zoo Yearbook
- Journal of Assisted Reproduction and Genetics
- Journal of Dairy Science
- Journal of Heredity
- Journal of Reproduction and Fertility
- Journal of the American Veterinary Medical Association
- Journal of Zoology
- JoVE
- Lipids in Health and Disease
- Livestock Science
- Methods in Molecular Biology
- PLOS ONE
- Reproduction, Fertility and Development
- Reproduction in Domestic Animals
- Small Ruminant Research
- SpringerPlus
- Theriogenology
- Theriogenology Wild
- Trends in Biotechnology
- Ursus
- Vlaams Diergeneeskundig Tijdschrift
- Zygote

Professional Associations membership

- Marie Curie Alumni Association (MCAA)

Organisation of Scientific Meetings

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| 2015 | Co-organiser of "Conservation by Cellular Technologies" international meeting, 3–6 December 2015, Vienna, Austria. |
| 2013 | Co-organiser of "Hands-On Vitrification Workshop", at the Leibniz |

Institute for Zoo and Wildlife Research, 20 March 2013, Berlin, Germany.

- 2010 Co-organiser of "Hands-On Vitrification Workshop", at the Leibniz Institute for Zoo and Wildlife Research, in association with the 13th World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), November 4–7, 2010, Berlin, Germany.

Publications

Metrics

(as of 04.08.2023)

Peer-reviewed articles: 60
Chapters in edited books: 8
Books: 1
Translated books: 3 (from Chinese into Hebrew)
Keynote and invited speaker: 19 presentations
H-index: 26
Total citations: 2,475 citations
Highest cited article: 633 citations
Highest Altmetric score: 349

Publications and Translations

- 2021 Loi P., Anzalone D. A., Palazzese L., Dinnyés A., **Saragusty J.**, Czernik M. Dry storage of mammalian spermatozoa and cells: state-of-the-art and possible future directions. *Reproduction, Fertility, and Development*, 33(2): 82–90 (doi: 10.1071/RD20264).
- 2020 **Saragusty, J.**, Ajmone Marsan, P., Sampino, S., Modlinski, J. A. Reproductive biotechnology and critically endangered species: Merging *in vitro* gametogenesis with inner cell mass transfer. *Theriogenology*, 155: 176–184 (doi: 10.1016/j.theriogenology.2020.06.009).
- 2020 Ryder, O., Friese, C., Greely, H., Sandler, R., **Saragusty, J.**, Durrant, B. Redford, K. Exploring the limits of saving a subspecies: The ethics and social dynamics of restoring northern white rhinos (*Ceratotherium simum cottoni*). *Conservation Science and Practice*, 2(8): e241 (doi: 10.1111/csp2.241)
- 2020 **Saragusty, J.**, Anzalone, D. A., Palazzese, L., Arav, A., Patrizio, P., Gosálvez, J., Loi, P. Dry biobanking as a conservation tool in the Anthropocene. *Theriogenology*, 150: 130–138 (doi: 10.1016/j.theriogenology.2020.01.022)
- 2019 **Saragusty, J.**, Loi, P. Exploring dry storage as an alternative biobanking strategy inspired by Nature. *Theriogenology*, 126: 17–27 (doi: 10.1016/j.theriogenology.2018.11.027)
- 2018 Palazzese, L., Anzalone, D. A., Gosálvez, J., Loi, P., **Saragusty, J.** DNA fragmentation of epididymal freeze-dried ram spermatozoa impairs embryo development. *Journal of Reproduction and Development*, 54(5): 393–400 (doi: 10.1262/jrd.2018-033).

- 2018 Hermes, R., **Saragusty, J.**, Moser, I., Barth S. A., Lecu A., Cracknell J., Williams D., Göritz, F., Hildebrandt, T. B. Differential detection of tuberculous and non-tuberculous mycobacteria by qPCR in lavage fluids of tuberculosis-suspicious white rhinoceros. *PLOS ONE*, 13(11): e0207365 (doi: 10.1371/journal.pone.0207365).
- 2018 Hermes, R., **Saragusty, J.**, Moser, I., Holtze, H., Nieter, J., Sachse, K., Voracek, T., Bernhard, A., Bouts, T., Göritz, F., Hildebrandt, T. B. Bronchoalveolar lavage for diagnosis of tuberculosis infection in elephants. *Epidemiology and Infection*, 146(4): 481–488 (doi: 10.1017/S0950268818000122).
- 2017 Palazzese, L., Anzalone, D. A., Gosálvez', J., Loi, P., and **Saragusty, J.** DNA fragmentation of epididymal freeze-dried ram spermatozoa impairs embryo development. *Reproduction Fertility Development*, 30: 162 (Abstract) (doi: 10.1071/RDv30n1Ab45).
- 2017 **Saragusty, J.**, Lemma, A., Hildebrandt, T. B., Göritz, F. Follicular size predicts success in artificial insemination with frozen-thawed sperm in donkeys. *PLOS ONE*, 12(5): e0175637 (doi: 10.1371/journal.pone.0175637).
- 2016 **Saragusty J.**, Dicke S., Drukker M., Durrant B., Friedrich Ben-Nun I., Galli C., Göritz F., Hayashi K., Hermes R., Holtze S., Johnson S., Lazzari G., Loi P., Loring J., Okita K., Renfree M., Seet S., Voracek T., Stejska J., Ryder O. A., Hildebrandt T. B. Rewinding the process of mammalian extinction. *Zoo Biology*, 35(4): 280–292 (doi: 10.1002/zoo.21284).
- 2016 Arav A., **Saragusty J.** Directional freezing of sperm and associated derived technologies. *Animal Reproduction Science*, 169: 6–13 (doi: 10.1016/j.anireprosci.2016.02.007).
- 2016 Hermes, R., Schwarzenberger F., Goeritz, F., Oh, S., Fernandes, T., Bernardino, R., Leclerk, A., Greunz, E., Mathew, A., Forsyth, S., **Saragusty, J.**, Hildebrandt, T. B. Ovarian down regulation and halt of reproductive tract tumour growth by GnRF vaccination in female white and Indian rhinoceroses. *PLOS ONE*, 11(7): e0157963 (doi: 10.1371/journal.pone.0157963).
- 2016 Garcia Montero, A., Vole, C., Burda, H., Malkemper, E. P., Holtze, S., Morhart, M., **Saragusty, J.**, Hildebrandt, T. B., Begall, S. Non-breeding eusocial mole-rats produce viable sperm – Spermogram and functional testicular morphology of *Fukomys anelli*. *PLOS ONE*, 11(3): e0150112 (doi: 10.1371/journal.pone.0150112).
- 2016 Prieto Pablos, M. T., Sánchez-Calabuig, M. J., Hildebrandt, T. B., Göritz, F., Ortmann, S., Eder, S., Santiago-Moreno, J., Hermes, R.,

- Saragusty, J.** Cryopreservation of roe deer (*Capreolus capreolus*) spermatozoa. *Theriogenology*, 88(3): 695–703 (doi: 10.1016/j.theriogenology.2016.02.023).
- 2016 **Saragusty, J.**, Osmers, J-H., Hildebrandt, T. B. Controlled ice nucleation – is it really needed for large-volume sperm cryopreservation? *Theriogenology*, 85(7): 1328–1333. (doi: 10.1016/j.theriogenology.2015.12.019).
- 2016 **Saragusty, J.**, Prieto, M. T., Courtiol, A., Potier, R., Göritz, F., Hildebrandt, T. B., Hermes, R. Sperm rescue in wild African elephants. *Reproduction, Fertility and Development*, 28(9): 1433–1442 (doi: 10.1071/RD14378).
- 2015 Prieto, M. T., **Saragusty, J.**, Santiago-Moreno, J., Stagegaard, J., Göritz, F., Hildebrandt, T. B., Hermes, R. Cryopreservation of onager (*Equus hemionus onager*) epididymal spermatozoa. *Journal of Zoo and Wildlife Medicine*, 46(3): 517–525 (doi: 10.1638/2014-243.1).
- 2014 Prieto, M. T., Sanchez-Calabuig, M. J., Hildebrandt, T. B., Santiago-Moreno, J., **Saragusty, J.** Sperm cryopreservation in wild animals. *European Journal of Wildlife Research*, 60(6): 851–864 (doi: 10.1007/s10344-014-0858-4).
- 2014 Walzer, C., Petit, T., Stalder, G. L., Horowitz, I., **Saragusty, J.**, Hermes, R. Surgical castration of the male common hippopotamus (*Hippopotamus amphibius*). *Theriogenology*, 81(3): 514–518 (doi: 10.1016/j.theriogenology.2013.10.018).
- 2014 Galateanu, G., Hermes, R., **Saragusty, J.**, Göritz, F., Potier, R., Mulo, B., Maillot, A., Etienne, P., Bernardino, R., Fernandes, T., Mews, J., Hildebrandt, T. B. Rhinoceros feet step out of a rule-of-thumb: a wildlife imaging pioneering approach of synchronized computed tomography-digital radiography. *PLOS ONE*, 9(6): e100415 (doi: 10.1371/journal.pone.0100415).
- 2014 Hermes, R., Göritz, F., **Saragusty, J.**, Stoops, M. A., Hildebrandt, T. B. Reproductive tract tumours: The scourge of woman reproduction ails Indian rhinoceroses, *PLOS ONE*, 9(3): e92595 (doi: 10.1371/journal.pone.0092595).
- 2014 **Saragusty, J.**, Shavit-Meyrav, A., Yamaguchi, N., Nadler, R., Bdolah-Abram, T., Gibeon, L., Hildebrandt, T. B., Shamir, M. H. Comparative skull analysis suggests species-specific captivity-related malformation in lions (*Panthera leo*). *PLOS ONE*, 9(3): e94527 (doi: 10.1371/journal.pone.0094527).
- 2013 Arav, A., **Saragusty, J.** Directional freezing of spermatozoa and

- embryos. *Reproduction, Fertility and Development*, 26(1): 83–90 (doi: 10.1071/RD13295).
- 2013 Galateanu, G., Hildebrandt, T. B., Maillot, A., Etienne, P., Potier, R., Mulot, B., **Saragusty, J.**, Hermes, R. One small step for rhinos, one giant leap for wildlife management- imaging diagnosis of bone pathology in distal limb. *PLOS ONE*, 8(7): e68493 (doi: 10.1371/journal.pone.0068493).
- 2013 Hermes, R., **Saragusty, J.**, Göritz, F., Bartels, P., Potier, R., Baker, B., Streich, W. J., Hildebrandt, T. B. Freezing African elephant semen: A tool beyond gamete rescue. *PLOS ONE* 8: e57616 (doi: 10.1371/journal.pone.0057616).
- 2013 Galateanu, G., Apelt, D., Aizenberg, I., **Saragusty, J.**, Hildebrandt, T. B. Canine tarsal architecture revealed by high-resolution computed tomography predicts a new mechanism of fracture. *The Veterinary Journal*, 196(3): 374–380 (doi: 10.1016/j.tvjl.2012.10.027).
- 2012 Hildebrandt, T. B., Lueders, I., Hermes, R., Goeritz, F., **Saragusty, J.** Anatomical, physiological, behavioral and pathological aspects of the estrous cycle in elephants. *Japanese Journal of Zoo and Wildlife Medicine* 17(3): 97–109.
- 2012 Hildebrandt, T. B., Hermes, R., **Saragusty, J.**, Potier, R., Schwammer, H. M., Balfanz, F., Vielgrader, H., Baker, B., Bartels, P., Göritz, F. Enriching the captive elephant population genetic pool through artificial insemination with frozen-thawed semen collected in the wild. *Theriogenology*, 78(6): 1398–1404 (doi: 10.1016/j.theriogenology.2012.06.014).
- 2012 **Saragusty, J.**, Hermes, R., Hofer, H., Bouts, T., Göritz, F., Hildebrandt, T. B. Sperm sex chromosome fluorescence *in situ* hybridisation in pygmy hippopotamus. Protocol Exchange: Nature Publishing Group (doi: 10.1038/protex.2012.045).
- 2012 **Saragusty, J.** What do you mean when you say large volume cryoprotectant-free vitrification? *Clinical Laboratory* 58: 591–592.
- 2012 **Saragusty, J.**, Hermes, R., Hofer, H., Bouts, T., Göritz, F., Hildebrandt, T. B. Male pygmy hippopotamus influence offspring sex ratio. *Nature Communications*, 3: 697 (doi: 10.1038/ncomms1700).
- 2012 Stalder, G. L., Thierry, P., Horowitz, I., Hermes, R., **Saragusty, J.**, Walzer, C. Use of medetomidine-ketamine combination for anesthesia in captive common hippopotami (*Hippopotamus amphibious*). *Journal of the American Veterinary Medical*

- Association*, 241(1): 110–116 (doi: 10.2460/javma.241.1.110).
- 2011 Loi, P., Wakayama, T., **Saragusty, J.**, Fulka Jr., J., Ptak, G. Biological time machines: a realistic approach for cloning an extinct mammal. *Endangered Species Research*, 14(3): 227–233 (doi: 10.3354/esr00366).
- 2011 Bouts, T., Hermes, R., Gasthuys, F., **Saragusty, J.**, Taylor, P., Routh, A., Hildebrandt, T. B. Medetomidine-ketamine-isoflurane anaesthesia in pygmy hippopotami (*Choeropsis liberiensis*). *Veterinary Anaesthesia and Analgesia*, 39(1): 111–118 (doi: 10.1111/j.1467-2995.2011.00671.x).
- 2011 **Saragusty, J.** and Arav, A. Current progress in oocyte and embryo cryopreservation by slow freezing and vitrification. *Reproduction*, 141(1): 1–19 (doi: 10.1530/rep-10-0236).
- 2011 **Saragusty, J.**, Hermes, R., Göritz, F., Hildebrandt, T. B. Mammalian reproduction out of frozen cells and tissues: current state of the art and future options. *International Zoo Yearbook*, 45: 1–21 (doi: 10.1111/j.1748-1090.2010.00128.x).
- 2011 Hildebrandt, T. B., Lüders, I., Hermes, R., Göritz, F., **Saragusty, J.** Reproductive cycle of the elephant. *Animal Reproduction Science*, 124(3–4): 176–183 (doi: 10.1016/j.anireprosci.2010.08.027).
- 2010 **Saragusty, J.**, Walzer, C., Petit, T., Stalder, G., Horowitz, I., Hermes, R. Cooling and freezing of epididymal sperm in the common hippopotamus (*Hippopotamus amphibius*). *Theriogenology*, 74(7): 1256–1263 (doi: 10.1016/j.theriogenology.2010.05.031).
- 2010 **Saragusty, J.**, Hildebrandt, T. B., Bouts, T., Göritz, F., Hermes, R. Collection and preservation of pygmy hippopotamus (*Choeropsis liberiensis*) semen. *Theriogenology*, 74(4): 652–657 (doi: 10.1016/j.theriogenology.2010.03.002).
- 2009 Hermes, R., Göritz, F., Portas, T. J., Bryant, B. R., Kelly, J. M., Maclellan, L. J., Keeley, T., Schwarzenberger, F., Walzer, C., Schnorrenberg, A., Spindler, R.E., **Saragusty, J.**, Kaandrop, S., Hildebrandt, T. B. Ovarian superstimulation, transrectal ultrasound-guided oocyte recovery and IVF in rhinoceros. *Theriogenology*, 72(7): 959–968 (doi: 10.1016/j.theriogenology.2009.06.014).
- 2009 **Saragusty, J.**, Gacitua, H., Rozenboim, I., Arav, A. Do physical forces contribute to cryodamage? *Biotechnology and Bioengineering*, 104(4): 719–728 (doi: 10.1002/bit.22435).
- 2009 **Saragusty, J.**, Gacitua, H., Rozenboim, I., Arav, A. The “third”

- factor hypothesis of freezing damage. *Biotechnology and Bioengineering*, 104(4) (doi: 10.1002/bit.22513).
- 2009 Hermes, R., Göritz, F., **Saragusty, J.**, Sós, E., Molnar, V., Reid, C. E., Schwarzenberger, F., Hildebrandt, T. B. First successful artificial insemination with frozen-thawed semen in rhinoceros. *Theriogenology*, 71(3): 393–399 (doi: 10.1016/j.theriogenology.2008.10.008).
- 2009 **Saragusty, J.**, Gacitua, H., Rozenboim, I., Arav, A. Protective effects of iodixanol during bovine semen cryopreservation. *Theriogenology*, 71(9): 1425–1432 (doi: 10.1016/j.theriogenology.2009.01.019).
- 2009 Bruchim, Y., Loeb, E., **Saragusty, J.**, Aroch, I. Pathologic findings in dogs with fatal heatstroke. *Journal of Comparative Pathology*, 140(2–3): 97–104 (doi: 10.1016/j.jcpa.2008.07.011).
- 2009 **Saragusty, J.**, Hildebrandt, T. B., Behr, B., Knieriem, A., Kruse, J., Hermes, R. Successful cryopreservation of Asian elephant (*Elephas maximus*) spermatozoa. *Animal Reproduction Science*, 115(1–4): 255–266 (doi: 10.1016/j.anireprosci.2008.11.010).
- 2009 **Saragusty, J.**, Gacitua, H., Zeron, Y., Rozenboim, I., Arav, A. Double freezing of bovine sperm. *Animal Reproduction Science*, 115(1–4): 10–17 (doi: 10.1016/j.anireprosci.2008.11.005).
- 2009 **Saragusty, J.**, Hermes, R., Göritz, F., Schmitt, D. L., Hildebrandt, T. B. Skewed birth sex ratio and premature mortality in elephants. *Animal Reproduction Science*, 115(1–4): 247–254 (doi: 10.1016/j.anireprosci.2008.10.019).
- 2009 Hermes, R., Behr, B., Hildebrandt, T. B., Blottner, S., Sieg, B., Frenzel, A., Knieriem, A., **Saragusty, J.**, Rath, D. Sperm sex-sorting in the Asian elephant (*Elephas maximus*). *Animal Reproduction Science*, 112(3–4): 390–396 (doi: 10.1016/j.anireprosci.2008.05.007).
- 2008 Hermes, R.*, **Saragusty, J.***, Schafternaar, W., Göritz, F., Schmitt, D. L., Hildebrandt, T. B. Obstetrics in elephants. *Theriogenology*, 70(2): 131–144 (doi: 10.1016/j.theriogenology.2008.04.003).
*Authors with equal contribution.
- 2008 Bruchim, Y., Aroch, I., **Saragusty, J.**, Waner, T. Disseminated intravascular coagulation (DIC) in dogs and cats. *Compendium on Continuing Education for the Practicing Veterinarian*, 30(10), on line only.
- 2007 Buber, T., **Saragusty, J.**, Ranen, E., Epstein, A., Bdolah-Abram, T.,

- Bruchim, Y. Evaluation of lidocaine treatment and risk factors for death associated with gastric dilatation and volvulus in dogs: 112 cases (1997-2005). *Journal of the American Veterinary Medical Association*, 230(9): 1334–1339 (doi: 10.2460/javma.230.9.1334).
- 2007 **Saragusty, J.**, Gacitua, H., Pettit, M. T., Arav, A. Directional freezing of equine semen in large volumes. *Reproduction in Domestic Animals*, 42(6): 610–615 (doi: 10.1111/j.1439-0531.2006.00831.x).
- 2006 **Saragusty, J.**, Gacitua, H., King, R., Arav, A. Post-mortem semen characterization and cryopreservation in two different endangered gazelle species (*Gazella gazella* and *Gazella dorcas*) and one subspecies (*Gazella gazella acaiae*). *Theriogenology*, 66(4): 775–784 (doi: 10.1016/j.theriogenology.2006.01.055).
- 2006 Bruchim, Y., Klement, E., **Saragusty, J.**, Finkeilstein, E., Kass P., Aroch, I. Heat Stroke in Dogs: a retrospective study of 54 cases (1999-2004) and analysis of risk factors for mortality. *Journal of Veterinary Internal Medicine*, 20(1): 38–46 (doi: 10.1111/j.1939-1676.2006.tb02821.x).
- 2005 **Saragusty, J.** and Bruchim, Y. Heatstroke in dogs. *Clinica*, 2: 4-6
- 2005 **Saragusty, J.**, Hildebrandt, T. B., Natan, Y., Hermes, R., Yavin, S., Goeritz, F., Arav, A. The effect of egg-phosphatidylcholine on chilling sensitivity and lipid phase transition of Asian elephant spermatozoa. *Zoo Biology*, 24(3): 233–245 (doi: 10.1002/zoo.20045).
- 2005 Bruchim, Y., Ranen, E., **Saragusty, J.**, Aroch, I. Severe tongue necrosis associated with pine processionary moth (*Thaumetopoea wilkinsoni*) caterpillar ingestion in three dogs. *Toxicon*, 45: 443–447 (doi: 10.1016/j.toxicon.2004.11.018).
- 2005 Bruchim, Y., **Saragusty, J.**, Weisman, A., Sternheim, D. Cyclonite (RDX) intoxication in a police working dog. *The Veterinary Record*, 157(12): 354–356 (doi: 10.1136/vr.157.12.354).
- 2003 **Saragusty, J.** “Cryopreservation of the Asian elephant (*Elephas maximus*) spermatozoa” - Graduation thesis, The Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
- 2000 **Saragusty, J.**, translator (from Chinese into Hebrew). “Rice” by Su Tong. Sifriyat Poalim Publishing House Ltd, Tel Aviv, Israel.
- 1996 **Saragusty, J.**, translator (from Chinese into Hebrew). “The Sayings of Lao Zi” by Tsai Chi Chung. Prague Publishing House

Ltd., Tel Aviv, Israel.

**Books and
Chapters in
edited books**

- 1996 **Saragusty, J.**, translator (from Chinese into Hebrew). “Three Kings” by Ah Chang. Kinneret Publishing House, Or Yehuda, Israel.
- 2018 Arav A. and **Saragusty J.** Preservation of Gametes and Embryos. In: Heiner N., Wrenzycki, C. eds. *Animal Biotechnology I: Reproductive Biotechnology*. Springer International Publishing, Cham, Germany, pp. 235–267 (doi: 10.1007/978-3-319-92327-7_11).
- 2015 **Saragusty, J.** Directional Freezing for Large Volume Cryopreservation. In: Wolkers, W. F., Oldenhof, H., eds. *Methods in Cryopreservation and Freeze-Drying*. Springer Verlag, pp. 381–397 (doi: 10.1007/978-1-4939-2193-5_19).
- 2014 Hildebrandt, T. B., **Saragusty, J.** Use of Ultrasound in Wildlife Species. In: Miler, R. E., Fowler, M. E. eds. *Fowler’s Zoo and Wild Animal Medicine*, Volume 8. Elsevier Saunders, St. Louis, Missouri, USA, pp 714–723 (doi: 10.1016/B978-1-4557-7397-8.00076-1).
- 2014 Loi, P., **Saragusty, J.**, Ptak, G. Cloning the mammoth: a complicated task or just a dream? In: Holt, W. V., Brown, J. L., Comizzoli, P., eds. *Reproductive Sciences in Animal Conservation*. Springer, New York, NY, pp 489–502 (doi: 10.1007/978-1-4939-0820-2_19).
- 2012 **Saragusty, J.** Genome Banking for Vertebrates Wildlife Conservation. In: Katkov I. I., ed. *Current Frontiers in cryobiology*, Vol. 1. InTech, Rijeka, Croatia, pp 293–368.
- 2012 **Saragusty, J.** Elephants under human care: Fertility, birth rate, infant mortality and survivorship, in Aranovich, M., Dufresne, O., (eds): *Elephants: Ecology, Behavior and Conservation*. Nova Science Publishers, Inc., Hauppauge, NY, pp 1–47.
- 2012 **Saragusty, J.**, Arav, A. Noah’s Ark of the 21st Century. Nova Science Publishers, Inc., Hauppauge, NY, pp 148.
- 2011 **Saragusty, J.** Fertility Preservation, Birth Rate and Infant Mortality in Wildlife Conservation, in Berhardt L. V., (ed): *Advances in Medicine and Biology, Volume 11*. Nova Science Publishers, Inc., Hauppauge, NY, pp 79–102.
- 2010 **Saragusty, J.**, Arav, A. New Frontiers in Genome Resource Banking, In Tepper, G. H., (ed): *Species Diversity and Extinction*.

Nova Science Publishers, Inc., Hauppauge, NY, pp 111–142.

**Invited
Presentations**

- 2022 **Saragusty, J.** Dry Biobanking as a Conservation Tool in the Anthropocene. 19th International Congress on Animal Reproduction (ICAR), Bologna, Italy, June 26–30, 2022. **Symposium Talk.**
- 2021 **Saragusty, J.** Reproductive biotechnology for critically endangered mammalian species conservation. International Conference on Advancements in Veterinary Sciences for Wildlife Conservation, Hyderabad, India, November 11–13, 2021. **Symposium Talk.**
- 2021 **Saragusty, J.** Reproductive biotechnology for critically endangered mammalian species conservation. 9th Conference of the Society for Reproductive Biology (TBR), Poznan, Poland, September 2–4, 2021. **Plenary Talk.**
- 2019 **Saragusty, J.** Northern White Rhino – An Update. Expanding the Discussion: Ethical and Social Issues in the Northern White Rhino Genetic Rescue Initiative, San Diego, CA, USA, October 13–15, 2019. **Symposium Talk.**
- 2019 **Saragusty, J.** Dry Biobanking as a Conservation Tool. DRYNET Conference and Workshop, Modena, Italy, September 12–13, 2019. **Session Talk.**
- 2018 **Saragusty, J.** Cryobiology in Wildlife Conservation. CRYO2018: Scientific Challenges of Cryobiology, Madrid, Spain, July 10–13, 2018. **Plenary Talk.**
- 2018 **Saragusty, J.** Exploring dry storage as an alternative biobanking strategy inspired by nature. CRYO2018: Scientific Challenges of Cryobiology, Madrid, Spain, July 10–13, 2018. **Symposium Talk.**
- 2018 **Saragusty, J.** Cryobiology in Wildlife Conservation. Biodiversità 2018 XII Convegno Nazionale, Teramo, Italy, June 13–15, 2018. **Session Talk.**
- 2018 **Saragusty, J.** Use of dried sperm in large mammals' assisted reproduction. International Summit on Assisted Reproduction and Genetics in Israel, Tel-Aviv, Israel, May 27–29, 2018. **Session Talk.**
- 2018 **Saragusty, J.** Sperm Preservation in Wildlife Conservation. Animal Sperm Research Center meeting, jointly organized by the Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and the Environment, the Hebrew University of Jerusalem, Rehovot, Israel and Sion, The Israeli Company for Artificial Insemination & Breeding Ltd., M.P. Shikmim. Rehovot, Israel, May 27, 2018. **Plenary Talk.**

- 2017 **Saragusty J.** Lyophilisation of tissues, chromosomes and cells. 5th Humanitas Course in Reproductive Medicine – From Basic Science to Clinical Practice, Milan, Italy, September 29–30, 2017. **Plenary Talk.**
- 2016 **Saragusty J.** and Arav A. Directional freezing of sperm and associated derived technologies. 10th Biennial Conference of the Association for Applied Animal Andrology, Tours, France, June 24–26, 2016. **Plenary Talk.**
- 2014 **Saragusty, J.** Reproduction and assisted reproduction in elephants – elephants are not extra-large cattle. Seminar: Reproduction in Wildlife, Teramo, Italy, June 27, 2014. **Seminar Talk.**
- 2013 **Saragusty, J.** Dry storage of living cells. Cryopreservation of Gametes and Embryos for Conservation Breeding workshop, 9th International Conference on Behaviour, Physiology and Genetics of Wildlife, Berlin, Germany, September 18–21, 2013. **Workshop Talk.**
- 2013 **Saragusty, J.** Is cryopreservation right for biobanking? Nature does it differently. 1st Symposium on Application and Conservation of Wildlife Cell Culture, Hamburg, Germany, August 29–30, 2013. **Symposium Talk.**
- 2013 **Saragusty, J.** Genome Resource Banking for Wildlife Conservation: What We Want? And What is Practical? 3rd International Congress on Controversies in Cryopreservation of Stem Cells, Reproductive Cells, Tissue & Organs (CRYO), Berlin, Germany, March 21–23, 2013. **Plenary Talk.**
- 2013 **Saragusty, J.** Cryopreservation of Gametes and Embryos in Wild Animals, Hands-On Vitrification Workshop, Berlin, Germany, March 20, 2013. **Workshop Talk.**
- 2011 **Saragusty, J.** Sperm Banking. 2nd International Congress on Controversies in Cryopreservation of Reproductive Cells, Tissue & Organs and Cryo Surgery (CRYO), Valencia, Spain, April 7–9, 2011. **Plenary Talk.**
- 2010 **Saragusty, J.** Cryopreservation of Gametes and Embryos in Wild Animals. Workshop annexed to the 13th World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI), Berlin, Germany, November 4–7, 2010. **Workshop Talk.**
- Grants** 2017 Marie Skłodowska-Curie Action “Individual Fellowships (IF)” - Grant agreement No 749537, EUR 180,277.20, 1.9.2017–31.8.2019.

Joseph Saragusty, Curriculum Vitae

2018 Marie Skłodowska-Curie Alumni Association Micro General Assembly
Grant.