

CURRICULUM VITAE**1. Personal Details**

Office Telephone Number: 04-6423868

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Electronic Address: iroffman@gmail.com ; itair@yvc.ac.il**2. Higher Education****a. Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
2009-2016	Graduate Studies Authority; Haifa University, Israel	PhD	2017
2006-2008	Anthropology; Iowa State University, USA	MA	2008
2002-2005	Multidisciplinary Studies (History & Arts); Tel-Hai Academic College	BA	2006

b. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
2016 - 2017	Prof. Eviatar Nevo; International Graduate Center of Evolution; Haifa University, Israel	Post-doctoral fellow	2017

3. Academic Ranks in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
Nov 2024	Yezreel Valley College, Human Services and Criminology	Senior Lecturer Researcher
Oct 2022 - present	Yezreel Valley College, Human Services and Criminology	Proposed rank: Senior Lecturer Researcher
Oct 2021 - present	Yezreel Valley College, Human Services	Faculty fellow
Oct 2018 – Sept 2021	Yezreel Valley College, Anthropology & Sociology	External lecturer

4. Offices in Academic Administration

Co-Director, the Jane Goodall Institute Israel (charity, registered 27.1.22).
Member of the Yezreel Valley College Sustainability Committee.

5. Scholarly Positions and Activities outside the Institution

2025: Reviewer for the scientific journal Nature.
2024: Reviewer for the scientific journal PLoS ONE.
2022-present: Invited Guest Editor, *Frontiers in Psychology* (Journal Issue: The Intrinsic Role of Embodiment and Dialogue to the Linguaging Processes of All Beings).
2021-present: International representative for Mali in the IUCN Western Chimpanzee Action Plan. Mali: (Inter)national scientist or NGO on the WCAP Implementation committee.
2020-present: Committee member (board of directors) of the World Biological Corridor.
2019-present: Member of the 'Great Ape Project Spain' board of directors.
2019-present: the Great Ape Project Delegate and Scientific Advisor for Israel & Mali.
2017: Reviewer for the National Geographic Society research grant proposals.
2015: Reviewer in the Israel Journal of Ecology & Evolution.
2012-2013: Member of the Bonobo Hope Sanctuary's (BHS) IACUC board (ethic committee).
2012-2023: Member of the Bonobo Hope International (BHI) board of directors.

6. Participation in Scholarly Conferences

a. Active Participation

Date	Name of Conference	Place of Conference	Subject of Lecture	Role
2025 (April 19 th)	Kanzi's Legacy: Humanities Lab Workshop	Cornell University and zoom	"Kanzi Wamba bonobo-chimpanzee, Language & Testimony in a Court of Law"	Lecturer on panel Kanzi's Legacy HUMANITIES LAB AT CORNELL
2025 (March 6 th -11 th)	Jane Goodall Institute (JGI) Global Meeting	Soesterberg, Netherlands	Advancing JGI objectives	Participant: representing Roots & Shoots Israel and Mali (the Jane Goodall Institute Israel, Max Stern Yezreel Valley College)
2024 (Sept 25 th -26 th)	Biannual Conference the Israeli Association of Criminology	Ramada Hotel, Netanya, Israel	Rehabilitation Behind Bars: The Case for The Chimpanzee Prisoner	Lecture
2024 (July 20 th -27 th)	Roots & Shoots Leadership Conference	St. George's House at Windsor Castle, UK	Advancing Roots & Shoots environmental and humanitarian programme	Participant: representing Roots & Shoots Israel and Mali (the Jane Goodall Institute Israel, Max Stern Yezreel Valley College)
2022 (July 14 th)	World Chimpanzee	zoom	Learning Chimpanzee Language: an	Lecture https://youtu.be/wCA_BGLb1aE

	Day 2022 Webinar; The Jane Goodall Institute Roots & Shoots Global		Important Component in their Cultural Diversity of <i>Homo [Pan] troglodytes/paniscus</i> sister species studies	
2022 (July 6-7 th)	50th Annual Conference for Science and the Environment	Tel-Aviv, Israel	Ecological Restoration: From Africa to the Middle-East	Introducing Dr. Jane Goodall, UN Messenger of Peace keynote opening address https://youtu.be/xUAh2rqNr0Y
2021 (Nov 16 th)	ChimpanZoo conference The Jane Goodall Institute Global	zoom	A new zoo model for chimpanzee care derived from Studying Suite of Early-Hominin Traits in <i>Pan</i>	Lecture and participation panel
2020 (Oct 23 rd)	The World Biological Corridor Conference: Project of the Government of the Canary Islands	zoom	Ecological Corridors via Tribal Peacemaking : Ensuring Survival of the Critically Endangered Mali Chimpanzees (<i>Homo [Pan] troglodytes verus</i>) by Development of Sustainable Strategies for their Co-existence with Humans	Lecture and participation panel
2019 (July 15 th)	Interspecies Internet Workshop conference	MIT's Center for Bits and Atoms, Cambridge, MA, USA	Internet Communication between Hominins as a Therapeutic Method for Improving the Emotional, Cognitive, Social and Cultural Capabilities of Youth with Autism	Lecture and participation panel http://cba.mit.edu/events/19.07.12/
2012 (Jan 8 th)	Adams conference	The Israel National Academy of Sciences and Humanities,	Studying Suite of Early <i>Homo</i> traits in <i>Pan</i>	Lecture https://adams.academy.ac.il/fellow/itai-roffman/

		Jerusalem, Israel		
2011 (Nov 17 th)	Judaism In Evolutionary Perspective conference	Schechter Institute for Jewish Studies, Jerusalem, Israel	Early <i>Homo</i> suite of traits in chimpanzees	Lecture and participation in panel
2007 (Oct 10 th)	The Jane Goodall Institute ChimpanZoo conference	Wichita, Kansas, USA	Do cross-fostered chimpanzees and bonobos possess representational symbology and recognizable imagery in human cultural terms?	Lecture and participation in panel

b. Organization of Conferences or Sessions

Date	Name of Conference	Place of Conference	Subject of Lecture	Role
2024 (Mar 6 th)	Action Research Center for Social Justice	YVC zoom	Weapons of the vulnerable: Decolonization through action research	Moderator/lecturer With Dr. Gila Amitay, Dr. Zion Barnetz & Dr. Daniella Arieli
2022 (Mar 28 th)	'Saving the Wildlife' conference	Gazelle Valley, Jerusalem	Wildlife and Environmental Personhood Rights; the Jane Goodall Institute Israel	Steering committee

7. Invited Lectures\Colloquium Talks

Date	Forum/Place of Lecture	Name of Lecture	Presentation/Comments
2025 (14 th July)	The 20 th Yezreel Valley College Research & Teaching Fair		Joint activity with Dr. Gila Yakov,
2024 (23 rd April)	Western Chimpanzee Action Plan (WCAP) & Implementation Committee (ImpCom)	Ensuring Survival of the Endangered Mali Chimpanzees (<i>Homo</i> [<i>Pan</i>] <i>troglodytes</i> <i>verus</i>)	Online Meeting. Topic: Development of Sustainable Strategies for Mali Chimpanzees Coexistence with Humans https://www.westernchimp.org/
2022 (12 th July)	"Rebirth" A Six Discipline Seminar Day at the Ein Dor	"The Birth of a New Species - Chimpanzee Sister Species to Humans: Uncovering	Lecture on the topic of evolutionary/cultural Anthropology

	Archeological Museum	early <i>Homo</i> Suite of Traits"	
2022 (27 th June)	The 18 th Yezreel Valley College Research & Teaching Fair	Opening Lecture: "Chimpanzees – Sister Species to Humans: Research & Implications for Humanity's Place in Nature"	Joint lecture with Prof. Yonathan Mizrahi
2022 (20 th June)	Yezreel Valley College Senate Meeting	Presentation of the Jane Goodall Institute Israel Activities & Research Topics for 2023	the Jane Goodall Institute Israel is based at the Max Stern Yezreel Valley College
2022 (Sept 28 th)	Cornell University: COGST 3500 Interspecies Communication: Theories and Practices (2022FA)	Chimpanzee/Bonobo-chimpanzee sister species research on their language, psycho-pathologies, cultural diversity and reclassification into <i>Homo</i> genus	Cognitive Science undergraduate Seminar. Moderated by Prof Laurent Dubreuil *video link below
2022 (21 st July)	World Chimpanzee Day 2022 Webinar (Jane Goodall Institute's Roots & Shoots Global)	Learning Chimpanzee Language: an important component in their cultural diversity <i>Homo [Pan] troglodytes/ paniscus</i> sister species studies	Video link: https://youtu.be/wCA_BGLb1aE
2019 (Dec 9 th)	Cornell University	THE APE TESTIMONY PROJECT: Itai Roffman	*video link below
2018 (June 5 th)	The Green Forum of the Yesh Atid party on World Environment Day, the Knesset, Jerusalem	Mali chimpanzees as an extant model for early hominin evolution	Lecture and discussion. at the invitation of Member of Knesset Yael German
2018 (May 21 st)	The Center for Sustainability, Achva Academic College, Arugot, Israel	Mali chimpanzees as an extant model for early hominin evolution	Lecture and discussion
2018 (Mar 6 th)	Department of Comparative Literature, Cornell University, Ithaca, NY, USA	Gestural Communication and Pantomime in Great Apes (<i>Pan</i> genus)	Lecture and participation in panel https://as.cornell.edu/news/ape-communication-explored-cornell-event (three Cornell faculty respondents and myself explored the

			implications of the latest findings on primate culture and communication)
2018 (Feb 23 rd)	Department of Ecology, Evolution and Behavior, University of Minnesota, Minneapolis, MN, USA	Studying Suite of Early-Hominin Traits in Pan: Cultural and Behavioral Evidence in Support of Pan's Reclassification as Early-Hominins	Lecture and discussion
2014 (Jan 13 th)	Annual Tu-Bishvat Party lecture Israel National Academy of Sciences and Humanities, Jerusalem, Israel	Early Homo suite of traits in chimpanzees	Lecture and discussion
2010	Pediatric Hematology-Oncology group meeting Sheba Tel Ha-Shomer Hospital, Maccabi Health Centre, Ramat-Gan, Israel.	Can Chimpanzee Biology Highlight Human Origin and Evolution?	Lecture and discussion

- Video link to Sept 28, 2022, Cornell University class seminar [https://vod.video.cornell.edu/media/COGST%203500%20Interspecies%20Communication%3A%20Theories%20and%20Practices%20\(2022FA\)/1_5mar09qv](https://vod.video.cornell.edu/media/COGST%203500%20Interspecies%20Communication%3A%20Theories%20and%20Practices%20(2022FA)/1_5mar09qv)
- Video link to Dec 9th, 2019, THE APE TESTIMONY PROJECT, at Cornell University <https://blogs.cornell.edu/apetestimoniesproject/2019/12/09/itai-roffman/>

8. Conservation Grants Awarded

a. For *in situ* conservation & research in Mali

2023-2025: Re:wild Primate Action Fund, Margot Marsh Biodiversity Foundation, New York City, New York, USA. "Ensuring Survival of the Endangered Mali Chimpanzees (*Homo [Pan] troglodytes verus*): Development of Sustainable Strategies for their Co-existence with Humans." (USD 5,000).

2021-2022: The Prince Mohamed bin Zayed Species Conservation Fund, Abu-Dhabi, UAE. Project title: "Ensuring Survival of the Endangered Mali Chimpanzees (*Pan troglodytes verus*): Development of Sustainable Strategies for their Coexistence with Humans" (USD 12,000).

2018-2020: The Leonardo DiCaprio Foundation, Los Angeles, California, USA. Project title: "Mali Chimpanzee cultural diversity research and conservation; habitat and viability assessment" (USD 65,000).

2018-2019: The Prince Mohamed bin Zayed Species Conservation Fund, Abu-Dhabi, UAE. Project title: "Ensuring Survival of the Endangered Mali Chimpanzees (*Pan troglodytes verus*): Development of Sustainable Strategies for their Coexistence with Humans" (USD 12,500).

2016-2017: Primate Conservation Inc., Rhode Island, USA. Action fund grant: "Ensuring Survival of the Endangered Mali Chimpanzees (*Pan troglodytes verus*): Development of Sustainable Strategies for their Coexistence with Humans" (USD 2,500).

2016-2017: The Prince Mohamed bin Zayed Species Conservation Fund, Abu-Dhabi, UAE. Project title: "Ensuring Survival of the Endangered Mali Chimpanzees (*Pan troglodytes verus*): Development of Sustainable Strategies for their Coexistence with Humans" (USD 10,000).

2024: Bonobo-chimpanzee painting research proposal submitted for an internal Cornell University grant (with Prof. Laurent Debreuil & Dr. Sue Savage Rumbaugh).

Title: visual arts and language in a group of bonobos

PI: Laurent Dubreuil. Funding source: New Frontiers program, CAS, Cornell University

b. For *in situ* conservation & research in Israel (personal donations to JGI Israel)

2024: Dr. J. Zohara Meyerhoff Hieronimus (via JGI USA). Bedouin-led tribal ecological restoration in Israel (USD 4,000)

2024: Mr. Yehuda & Mrs. Yehudit Dita Bronicki. Bedouin-led tribal ecological restoration in Israel (NIS 10,000).

2023: Dr. Jane Goodall, DBE, UN Messenger of Peace (via JGI USA). Bedouin-led tribal ecological restoration in Israel (USD 5,000).

2023: Dr. J. Zohara Meyerhoff Hieronimus (via JGI USA). Bedouin-led tribal ecological restoration in Israel (USD 3,000)

2023: Mr. William & Mrs. Nannette Konstant, Bedouin-led tribal ecological restoration in Israel (USD 5,000)

9. Scholarships, Awards and Prizes

a. Scholarship & Fellowship

2010-2014: The Adams Fellowship for Doctoral Students, the Israel National Academy of Sciences and Humanities, Jerusalem, Israel (USD 100,000).

2006-2008: 2 years scholarship for Masters in Anthropology, Iowa State University, awarded by Great Ape Trust of Iowa, Ames, IA, USA (USD 40,000).

b. Honors and Awards

2024: The Drama Studio Endowment by the late director, poet, and playwright Mr. Baruch Lozato z"l (Adam Baruch) grant for Galilee Artists (February 12, NIS 7,000).

2016: Adams Conference - 1st prize for scientific research poster presentation, awarded by the Adams Fellowship for Doctoral Students, the Israel National Academy of Sciences and Humanities, Jerusalem, Israel (January 19, NIS 1,500).

2013: "Human Evolution - Past Present and Future Anthropological, Medical and Nutritional Considerations", London, UK - 1st prize for scientific research poster presentation, awarded by Sir. David Attenborough (May 8-10, £1,000).

2008: "Outstanding Youth Leadership" invitation awarded to attend the Jane Goodall Global Youth Summit, Walt Disney World Resort, Orlando, Florida, USA (April 19-25).

2005: Member of the Microsoft Office Information Worker Board of the Future, Budapest, Hungary (June 19-23).

2005: The Dr. James Gillihan Award for Peacemaking - honoring at TEAM (Teachers of Experiential and Adventure Methodologies), Northeastern Illinois University, Chicago, Illinois, USA (Feb. 18).

10. Courses Taught in Recent Years (all at Yezreel Valley College)

Year	Name of Course	Type of Course Lecture/Seminar/Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2025 (1 st sem.)	Human services personnel as agents of social environmental change	Action based course (Dept. of Human Services)	BA	38
2025 (1 st sem.)	Introduction to Psychology A	Introduction Course (Mandatory) (Dept. of Human Services)	BA	78 29
2025 (1 st sem.)	Introduction to Victimology	Introduction course (Dept. of Criminology)	BA	31
2024 (2 nd sem.)	Human services personnel as agents of social environmental change	Action based course (Dept. of Human Services)	BA	32
2024 (2 nd sem.)	Introduction to Psychology B	Introduction Course (Mandatory) (Dept. of Human Services)	BA	42 80
2024 (1 st sem.)	Introduction to Cultural Anthropology in an Applied Perspective	Action based course (Dept. of Sociology & Anthropology)	BA	17
2024 (1 st sem.)	Introduction to Victimology	Introduction course (Dept. of Criminology)	BA	50
2024 (1 st sem.)	Introduction to Psychology A	Introduction Course (Mandatory) (Dept. of Human Services)	BA	44 82
2023 (2 nd sem.)	Human services personnel as agents of social environmental change	Action based course (Dept. of Human Services)	BA	37
2023 (2 nd sem.)	Introduction to Psychology B	Introduction Course (Mandatory) (Dept. of Human Services)	BA	46 70
2022 (1 st sem.)	Introduction to Victimology	Introduction course (Dept. of Criminology)	BA	15

2022 (1 st sem.)	Introduction to Psychology A	Introduction Course (Mandatory) (Dept. of Human Services)	BA	41 74
2022 (1 st sem.)	Introduction to Human Evolution	Introduction course (Dept. of Sociology & Anthropology)	BA MA	34
2022 (2 nd sem.)	Introduction to Victimology	Introduction course (Dept. of Criminology)	BA	51
2022 (2 nd Sem.) 2020 (1 st sem.)	Introduction to Cultural Anthropology in an Applied Perspective	Introduction course (Dept. of Sociology & Anthropology)	BA	35 37
2022 (1 st sem.) 2021 (1 st sem.) 2020 (2 nd sem.)	Introduction to Psychology A	Introduction Course (Mandatory) (Dept. of Human Services)	BA	107 85 82
2022 (2 nd sem.) 2021 (2 nd sem.)	Introduction to Psychology B	Introduction Course (Mandatory) (Dept. of Human Services)	BA	107 85
2021 (2 nd sem.) 2019 (2 nd sem.)	Introduction to Human Evolution	Introduction course (Dept. of Sociology & Anthropology)	BA	24 33
2021 (1 st sem.)	American Corrections	Introduction course (Dept. of Criminology)	BA	73

PUBLICATIONS

A. MA Thesis (254 pages)

Roffman I (2008). Masters Thesis in Anthropology: "Are bicultural bonobos able to recognize iconic representations and produce referential signs in human cultural terms?" Iowa State University, Department of Anthropology. DOI: 10.13140/RG.2.2.15790.36168
MA supervisors: Prof. Jill D. Pruetz; Prof. Sue Savage-Rumbaugh; Prof. Lisa Fontaine
Cited by 7 (Google Scholar).

B. PhD Dissertation (170 pages)

Roffman I (2016). PhD Dissertation in Evolutionary Anthropology: "Studying Suite of Early-Hominin Traits in *Pan*: Cultural and Behavioral Evidence in Support of their Reclassification as Early-Hominins". The Graduate Studies Authority, University of Haifa, Israel.
PhD supervisors: Prof. Eviatar Nevo and Prof. Avraham Ronen
Cited by 1 (Google Scholar).

C. Articles Published in Refereed Journals

Journal ranking (Q & I.F.) was taken from Scimago Journal Rank (<https://www.scimagojr.com/aboutus.php>). Scopus h-index: 2 (Research Gate h-index: 4).

1. **Roffman I**, Mizrachi Y, Chiarelli B, Savage-Rumbaugh S, Rubert-Pugh E, Fontaine L, Panchevre M, Ronen A, Nevo E. (2019). *Pan* Survival in the 21st Century: Chimpanzee Cultural Preservation, Rehabilitation, and Emancipation Manifesto. *Human Evolution* 34(1-2): 1-19. DOI: 10.14673/HE201912047. [I.F.: 0.122; Anthropology, Q2]. Cited by 2 (Google Scholar).
Role in publication: I had envisioned the manuscript, wrote the literature review, discussion and conclusion.
http://www.pontecorboli.com/digital/OpenAccess/Roffman_Pan.pdf
 - 1a. *Nature* Briefings chose our chimpanzee manifesto as 'quote of the day' for July 29, 2019: <https://adams.academy.ac.il/itai-roffman-received-great-recognition-form-nature/>
 - 1b. Portuguese translation of our chimpanzee manifesto by the Brazilian Federal Republic Legal branch (Translation Nº 61549, Book Nº 200, pp. 1-17): <https://www.projeto-gap.org.br/wp-content/uploads/2019/09/61549.pdf>
 - 1c. The Government of Mendoza Province, Argentina, recognizes the importance of our Manifesto as a milestone for chimpanzee personhood rights: <https://www.mendoza.gov.ar/prensa/repercusiones-en-la-comunidad-cientifica-internacional-por-el-habeas-corporus-concedido-a-la-mona-cecilia/>
2. Savage-Rumbaugh S, **Roffman I**, Lingomo S, Rubert-Pugh E (2018). The Fully Conscious Ape. *International Journal of Comparative Psychology* 31: 1-62. [I.F.: 2.231; Psychology, Q3]. Cited by 3 (Google Scholar); Cited by 0 (Scopus). Author contribution: literature review, theory & discussion.
3. Savage-Rumbaugh S, **Roffman I** (2018). Advent of selfhood. *Journal of Veterinary Medicine and Animal Sciences*. 1: 1003. [I.F.: 1.821; Q n/a]. Cited by 0 (Google Scholar). Author contribution: literature review, theory & discussion.
4. **Roffman I**, Panchevre M, Ronen A, and Nevo E (2016). Cultural and Physical Characterization of Near-Arid Savanna Chimpanzees in Mali. *Human Evolution* 31(4): 191-214. [I.F.: 0.122; Anthropology, Q4]. Cited by 7 (Google Scholar). Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, and edited the manuscript in accordance with journal guidelines.
5. **Roffman I**, Savage-Rumbaugh S, Rubert-Pugh E, Stadler A, Ronen A, & Nevo E (2015). Preparation and Use of Varied Natural Tools for Extractive Foraging by Bonobos (*Pan paniscus*). *American Journal of Physical Anthropology* 158 (1): 78-91. [I.F.: 2.868; Anthropology, Q1]. Cited by 51 (Google Scholar); Cited by 25 (Scopus). Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, and edited the manuscript in accordance with journal guidelines.
6. **Roffman I**, Peleg G, Stadler A, Nevo E (2015). Meaningful informational exchange and pantomime in chimpanzees and bonobos: implications for protolanguage in hominins. *Human Evolution* 30(3-4): 141-174. DOI: 10.14673/HE2015341007 [I.F.: 0.122; Anthropology, Q3]. Cited by 2 (Google Scholar); Cited by 1 (Scopus). Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, and edited the manuscript in accordance with journal guidelines.
7. **Roffman I**, Savage-Rumbaugh S, Rubert-Pugh E, Ronen A, and Nevo E (2012). Stone tool production and utilization by bonobo-chimpanzees (*Pan paniscus*). *Proceedings of the National Academy of Sciences USA* 109: 14500-14503. [I.F.: 11.205; Anthropology, Q2]. Cited by 70 (Google Scholar); Cited by 33 (Scopus). Role in the publication: I had envisioned the study, prepared

the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, and edited the manuscript in accordance with journal guidelines.

8. **Roffman I** and Nevo E (2010). Can Chimpanzee Biology Highlight Human Origin and Evolution? *Rambam Maimonides Medical Journal*. 1(1):e0009. [I.F.: 1.08; Medicine, Q3].

Main article: <http://www.rmmj.org.il/userimages/10/0/PublishFiles/10Article.pdf>

Supplementary material:

<http://www.rmmj.org.il/userimages/10/0/PublishFiles/10ArticleAM.pdf>

Cited by 14 (Google Scholar). Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, supplementary material and edited the manuscript in accordance with journal guidelines.

D. Articles Submitted / Currently in Review

1. Rehabilitation Behind Bars: The Case for The Chimpanzee Prisoner. In review: *Journal of Neuropsychological Rehabilitation*. Co-authors: **Itai Roffman**, Ety Elisha, Efrat Barel, Chief Steve McCullough, Sue Savage-Rumbaugh, Yonathan Mizrahi, Eviatar Nevo.

Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion.

2. The Influence of Weapon Use and Climbing on the Evolution of *Homo* Bipedal Locomotion. In submission: *Frontiers in Ecology and Evolution*. Co-authors: Matz Larsson, Kathleen Hills, **Itai Roffman**. Author contribution: data collection, result analysis, discussion.

3. The extant Mali cliff range chimpanzees versus Rift Valley early *Homo*: a parallel evolution hypothesis. In review: *Journal of Anthropological Research*. Co-authors: **Itai Roffman**, Thomas Kamissoko, Rasta Diakite Faraban, Mamadou Berthé, Yonathan Mizrahi, Eviatar Nevo.

Role in the publication: I had envisioned the study, prepared the research methodology, collected the data, read the literature, analyzed the results and written the discussion, conclusion, supplementary material and edited the manuscript in accordance with journal guidelines.

E. Articles or Chapters Published in Scientific Books

1. **Roffman I**. Chimpanzee field research overview – challenges for the future. In "*Homínidos no humanos*" (non-human Hominids). Edited by: Pedro Pozas Terrados (2024).

2. **Roffman I**. On the Road to Nazareth. In: Jane Goodall at 90: Celebrating an Astonishing Lifetime of Science, Advocacy, Humanitarianism, Hope, and Peace. Beckoff M & Margodt K (Editors). Salt Water Media, USA (2024): 96-97.

3. **Roffman I**, Mizrahi Y, Chiarelli B, Savage-Rumbaugh S, Rubert-Pugh E, Fontaine L, Panchevre M, Ronen A, Nevo E. *Pan* Survival in the 21st Century: Chimpanzee Cultural Preservation, Rehabilitation, and Emancipation Manifesto. In: "Los grandes simios y sus derechos básicos". Ed.: P. P. Terrados. Madrid, Asociación Cultural Y Científica Iberoamericana (2019): 537-566.

4. Rumbaugh ES, **Roffman I**, Pugh E, Rumbaugh DM. Chapter 16: Ethical methods of investigation with *Pan/Homo* bonobos and chimpanzees. In: Biocommunication: Sign-Mediated Interactions between Cells and Organisms. Eds.: J. Seckbach & R. Gordon. London, World Scientific Publishing (2016): 449-573. Cited by 3 (Google Scholar); Cited by 2 (Scopus). Author contribution: data collection, theories, results analyses and discussion.

F. Other Publications

1. **Roffman I**, (2020). Cultural Diversity Preservation of Mali's Chimpanzees. *International Primate Protection League News* 47(1):18-19.

<https://www.ippl.org/newsletter/2020s/IPPL-News-June-2020.pdf#page=8>

G. Summary of my Activities and Future Plans

All my life I have been fascinated by animals and nature, and after I made a personal contact with the world renowned chimpanzee cultural researcher and conservationist Dr. Jane Goodall in the year 2000, I was profoundly inspired by her work and she became my mentor. I have specialized in evolutionary anthropology, and focused my scientific interest on ethnographic chimpanzee research and cultural diversity preservation. This has been achieved since 2010 with the initiation of my Mali field sites in West Africa, via protection and restoration of their heritage and environments, together with the tribes living alongside them.

My MA thesis research was focused on examining the iconographic competencies of language-competent bonobo-chimpanzees - as a way of studying the close cultural links between *Pan* and humans - by comparing their abilities to that of late *Homo* cave art representational iconography and mark making. In these studies I had empirically proven the bonobos ability to produce iconographic mark-making and to remember their respective meanings across time, along with interpreting meanings of hieroglyphic type icons.

In my PhD, as an Adams Fellow of the Israeli National Academy of Sciences, I demonstrated that chimpanzees' and early *Homo* tool production and use competencies are parallel in type, form, microscopic wear-patterns and function, based on the genetics and shared ancestry of these two hominin sister species. I had identified strategies for resource procurement in captive and semi-captive bonobo-chimpanzees (*Pan paniscus*) in Europe and America, exemplified by their stone/wood and bone tool preparation and processing competencies, to the level of pre-agricultural extractive foraging in *Homo*. I had further demonstrated the competency of bilateral informational-exchange of chimpanzees/bonobos with humans in terms of miming, music and vocal control implicating protolanguage in hominin evolution. Other traits observed were alliance building, cultural/group/personal identity, responsibility and moral order along with giving testimony of past events.

Moreover, in Mali I had identified unique chimpanzee survival strategies, cultural diversity and adaptations to the arid multi-habitat cliff range environments. These include nest/shelter constructions, cliff dwelling, stone and wooden tool assisted food procurement, water budgeting, symbolic nomadic way-finding navigation, bipedal locomotion, and more. The extent of bipedal locomotion, medicinal plant/mineral use, as well as language lexicon, has yet to be deciphered for Mali chimpanzees. I hypothesize that these chimpanzees face selective environmental pressures paralleling those experienced by early *Homo* along the Great African Rift Valley, resulting in accelerated evolutionary processes compared to those of rainforest chimpanzees. Mali chimpanzees may thus be regarded as "living fossils" and serve as an extant model for the study of human evolution. I intend to continue my research in Mali in the coming years in light of my findings and hypothesis.

In addition to the work described, I am active in the advancement of chimpanzee rights towards their liberation from zoos and transfer to sanctuaries, where they can undergo cultural rehabilitation and fulfill their hominin/early *Homo* potential in open natural reservations. As part of this effort, I founded the "Israeli Chimpanzee Welfare & Personhood Association" and the "Mali Chimpanzee Cultural Preservation, Rehabilitation and Heritage League", in order to promote their right for *habeas corpus* and reclassification as early hominin members of the *Homo* genus. Furthermore, we have recently established the Jane Goodall Institute of Israel under the auspices of the Yezreel Valley College, which will enable the realization of our goals for the benefit of chimpanzees (and other Great Apes), humans, wildlife and nature. For example, we have started an initiative to help mentally/communication disabled children to express themselves through video-assisted informational exchange sessions with bonobo-chimpanzees and gorillas, who competently conversed using computer keyboard English Lexigram symbols and sign language.

Through the Roots & Shoots youth movement in Israel we will implement through collaboration with municipalities our Jane Goodall Institute Israel strategy, which encourages youth's active participation in ecological restoration via community council engagement. We will focus on reflooding drained wetlands and replanting Mediterranean forest/arid Savannah woodlands cut down in early 1900s to build the Hijaz Trans-Jordan railway. This endeavor will be made possible with tribal Bedouin ecological leadership in conservation in Israel and neighboring countries for reintroduction of critically endangered species and establishing ecological corridors.

YVC ethics committee 4 year research approval: (2024-37 YVC EMEK) "Decolonization through Ancient Bedouin Tribal Cultural Revival by Ecological Restoration: Action Research".

YVC ethics committee 4 year research approval: (EMEK YVC 2024-33) "Tribal-led conservation and ancient cultural heritage revival program Ensuring Survival of the Critically Endangered Mali Chimpanzees (*Homo [Pan] troglodytes verus*) by Development of Sustainable Strategies for their Co-existence with Humans".

G. Manuscripts in preparation

Roffman I et al. (2024). Comparing Stone-Tool Processing Wear-Patterns Created by Bonobo-Chimpanzees to those of the Homo fossil record: Implications for Hominin Survival Strategies Adaptations in Low Resource Arid Environments.

Roffman I et al. (2024). An effective methodology for the preservation of chimpanzee cultural diversity in Mali.

Roffman I et al. (2024). Uniquely early-*Homo*/hominin characteristics of the bipedal locomotion of Mali chimpanzees.

Roffman I & Chief McCullough S. (2024). Supporting evidence for the existence of scientifically yet-to-be-described *Homo*/Hominin species in the USA through tribal-led research.

Roffman I et al. (2024). Strategy for building alliances with hominin chimpanzees (and other Great Ape Hominids) in zoo and sanctuary settings for peacefully coping with escapes, nullifying the use of lethal force. Report Guide.

Roffman I & Barnetz Z. (2024). Decolonizing Human Services. Part I.

Roffman I & Barnetz Z. (2024). De-colonializing human services through tribal sovereignty led ecological restoration/conservation, cultural heritage revival and sustainable development. Part II.

Roffman I et al. (2024). Addax (*Addax nasomaculatus*) Rationale for Reintroduction Plan to Israel & Arabian Peninsula. In partnership with www.freethewild.org

Roffman I et al. (2024). Establishing A Great-Ape Hominid Ecological Cultural Rehabilitation Sanctuary.

Roffman I et al. (2024), Bedouin-Jewish led Restoration of ancient savannah woodland along the Hijaz, Jordan, Israel, Palestinian territories, Saudi Arabia, UAE, Egypt & Oman: Ecological Peace – combating desertification, global warming and water wars.

Roffman I et al. (2024), A new zoo model for chimpanzee care derived from Studying Suite of Early-Hominin Traits in *Pan*: paradigm shift to ecological cultural rehabilitation sanctuary. National Zoo of Mali case study.