

CURRICULUM VITAE**1. Personal Details**

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2. Higher Education**A. Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
1994-2000	Weizmann Institute of Science, Dept. of Particle Physics and Astrophysics	Ph.D. in Physics	2000
1991-1994	Weizmann Institute of Science, Dept. of Complex Systems	M.Sc. in Applied Physics	1994
1982-1988	National University MISiS, Moscow, Dept. of Roentgenography and Metal Physics	M.Sc. in Materials Engineering	1988

B. Post-Doctoral Studies

Period of Study	Name of Institution, Department and Host	Degree	Year of Completion
2003-2006	Tel-Aviv University, Dept. of	N/A	2006

	Quantum Electronics. Supervisor: Prof. Avraham Gover		
2000-2003	Bar-Ilan University, Dept. of Chemistry. Supervisor: Prof. Arie Zaban	N/A	2003

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
2018 – present	Jerusalem College of Technology Dept. of Electrical & Electronics Engineering	Senior lecturer
2017 – 2018	Jerusalem College of Technology Dept. of Electrical & Electronics Engineering	Lecturer
2017 – 2019	Jerusalem College of Engineering Dept. of Mathematics	Adjunct lecturer
2015 – 2017	Shamoon College of Engineering Dept. of Mathematics	Adjunct lecturer
2003 – 2006	Ariel University Dept. of Electrical & Electronics Engineering	Adjunct lecturer

4. Offices in Academic Administration

- 2024 – present: member of the *Jerusalem College of Technology* scientific committee
- 2020 – present: member of the *Jerusalem College of Technology* M.Sc. committee

5. Scholarly Positions and Activities outside the Institution

Journal refereeing

- Energies Q1, IF = 3.5
- Science of the Total Environment Q1, IF = 6.5
- eClinicalMedicine Q1, IF = 17.0
- Cancers (MDPI) Q1, IF = 6.1
- Biomedicines Q1, IF = 4.7
- Sustainability Q1, IF = 3.9
- Risk Analysis Q1, IF = 3.9
- Toxicology and Applied Pharmacology Q1, IF = 3.6
- PLoS ONE Q1, IF = 2.7
- Radiation Research Q1, IF = 2.7
- Int. J. Environ. Research & Pub. Health Q2, IF = 3.2
- Current Radiopharmaceuticals Q2, IF = 2.8
- Healthcare (MDPI) Q2, IF = 2.6
- Journal of Environmental Radioactivity Q2, IF = 2.4
- Dose-Response Q2, IF = 2.4
- Expert Review of Hematology Q2, IF = 2.3
- Current Medical Imaging Q3, IF = 1.2
- Journal of Emergency Management Q3, IF = 0.7
- Journal of Nuclear Engineering (MDPI)
- BioMedInformatics (MDPI)
- Current Medical Imaging Reviews (Bentham Science)
- Coronaviruses – Pathogenic Microorganisms
- The Open COVID Journal

6. Participation in Scholarly Conferences

a. Active Participation

Date	Name of Conference	Place of Conference	Subject of Lecture / Discussion	Role
Jan 26-27, 2024	Poles Apart: Opposing Views in Pediatrics	Brindisi, Italy	Nuclear emergency: what is wise to do and what is not (Keynote speaker)	Recorded lecture
June 25-29, 2023	Urban Operations Expert Talks 2023	Vienna	Negative Effects of Over-Reaction in the Aftermath of Radiological Emergencies (Invited lecture)	

Feb 14-15, 2023	Artificial Intelligence in Biology and Medicine	Jerusalem College of Technology	Irradiated APC ^{MIN/+} mice: Tumors and blood parameters (Invited lecture)	
Jan 20-21, 2023	No Jacket Required: Informal Talk about Pediatriy (and around)	Brindisi, Italy	Deontological and utilitarian approaches in medicine: mandatory/coercive treatment and beyond (Keynote speaker)	
Oct 15, 2020	NP1 Nuclear Power International Conference	Ariel University (virtual)	Mass Evacuation for Saving Lives Following Nuclear Accident: Cost-Benefit Considerations (Invited lecture)	
Sep 17-18, 2019	Applications of Low Radiation Doses in Medical Diagnosis and Therapy	Kielce, Poland	Irradiation of arbitrary time- dependence: mathematical model of adaptive response and oscillatory behavior (Invited lecture)	
Sep 17-18, 2019		Kielce, Poland	Discussion	Moderator
Aug 25-29, 2019	16 th International Congress for Radiation Research	Manchester, UK	Consequences of a large-scale radiological emergency and guidelines for evacuation: a cost-effectiveness analysis.	
Aug 21-25, 2018	44th Annual Meeting of the European Radiation Research Society	Pécs, Hungary	Thyroid cancer: over- radiosensitivity or overdiagnosis?	
Aug 20-22, 2018	MMT- 2018—10th International Conference on Material Technolo- gies and Modelling	Ariel, Israel	Recent development in radiation research and consequent opportunities for accelerator applications. (Invited lecture)	

June 17-18, 2016	Apulian Pediatric Endocrinology Congress	Brindisi, Italy	Childhood Cancer from Hiroshima to Fukushima: The Myths and the Evidence (Invited lecture)	
Aug 31-Sep 5, 2014	LINAC14 – 27th Linear Accelerator Conference	Geneva, Switzerland	Positive Trends in Radiation Risk Assessment and Consequent Opportunities for LINAC Applications (Invited lecture, Closing session)	
Nov 17-20, 2010	Electricity 2010— International Convention	Eilat, Israel	Systems in Nuclear Environment (Invited lecture)	
Sep 7-10, 2009	ICT's 9 th International Conference on Counter-Terrorism	Herzliya, Israel	Assessing Radiological and Nuclear Terror Scenarios (Invited lecture)	

b. Organization of Conferences or Sessions

Date	Name of Conference	Place of Conference	Subject of Conference/ Role at Conference/ Comments	Role
Feb 14-15, 2023	Artificial Intelligence in Biology and Medicine	Jerusalem College of Technology		Co-chair
Oct 15, 2020	NP1 Nuclear Power International Conference	Ariel University (virtual)		Steering Committee member
Oct 29, 2012	Risk Assessment of Nuclear Accidents	Technion	James H. (Jimmy) Belfer Memorial Symposium	Co-chair
Sept 11, 2012	Free-Electron Lasers' Applications	Tel-Aviv	LINAC12 satellite meeting	Organizer and Chair

7. Invited Lectures\ Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
Nov 15, 2023	Jerusalem College of Technology	Electronics Dept. Seminar	Proposal: acoustical detection of drones
June 21, 2023	Jerusalem College of Technology	Electronics Dept. Seminar	Chernobyl and Fukushima: technology and decision-making
Jan 9, 2023	Jerusalem College of Technology	Electronics Dept. Seminar	Quantum Technologies – an introduction
Dec 07, 2022	Institute for Radioprotection and Radiation Safety (IRSN), Fontene-aux-Roses, France	Human Radiation Protection Unit colloquium	Nuclear Warfare: AOPs, prevention, treatment
Sep 22, 2022	University of Defence, Brno, Czech Republic	SESUR collaboration kick-off meeting	Russian policy, military potential and institutional factors of sustainability
May 24, 2021	Jerusalem College of Technology	Electronics Dept. Seminar	Nuclear-powered unmanned aerial vehicles for science, industry and telecommunications
Feb 05, 2020	Elbit Systems Electro-optics ELOP, Rehovot	Department seminar	Practical aspects of the nuclear threat
Jun 3, 2019	Bar-Ilan University	Physics Colloquium	Reconsidering nuclear and radiation hazards
Feb 16, 2011	Soreq Nuclear Research Center	Department seminar	Free-Electron Laser technology

8. Research Grants

a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by/ Amount	Year
PI	D. Klokov, IRSN (Inst. of Radioprotection and Nuclear Safety), France PI Ariella Richardson, JCT	Artificial intelligence for integration of multimodal systems biology data from small size data sets: modeling intestinal tumorigenesis with or without chronic low-dose gamma-irradiation [66]	Israeli-French High Council for Scientific & Technological Cooperation – Research Program "Maimonide-Israel" 320,000 NIS	2021-2023
PI		Radiological emergency – assessment of probable scenarios and their consequences (Red Team) [49]	Jerusalem College of Technology 9000 NIS	2018 – 2019
PI		Development of mathematical medical-economical model for estimation of evacuation expedience in radiological emergency [48, 56]	Jerusalem College of Technology 10,000 NIS	2017–2018

9. Scholarships, Awards and Prizes

2023: Distinguished Researcher – Jerusalem College of Technology

10. Teaching

a. Courses Taught in Recent Years

Year	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Degree	Number of Students
2024	Biomedical optics (imaging)	Lecture High Learn Course	M.Sc.	9
2023-24	Electronics Seminar	Lecture High Learn Course (Mandatory)	B.Sc.	45
2023	Introduction to Electrical Engineering for Industrial Engineering students	Lecture Introduction Course (Mandatory)	B.Sc.	30
2020-23	Linear Systems	Lecture + Seminar High Learn Course	B.Sc.	20-30
2018-23	Digital Systems	Seminar Introduction Course (Mandatory)	B.Sc.	20-40
2018-23	Signals and Systems	Laboratory Introduction Course (Mandatory)	B.Sc.	10-25
2022-23	Semiconductors	Seminar Introduction Course (Mandatory)	B.Sc.	40
2018-21	Physics B (Electricity and Magnetism)	Lecture Introduction Course (Mandatory)	B.Sc.	40-60
2017	Digital Systems	Lecture Introduction Course (Mandatory)	B.Sc.	80

b. **Supervision of Graduate Students**

Name of Student	Title of Thesis	Degree	Date of Completion	Students' Achievements
Elazar Kastenbaum <i>Co-supervision with Mr. Reuven Yosef, ELTA Systems Ltd</i>	SAR-based threat detection by machine learning (deep learning)	M.Sc.	Jun 2021	

11. Miscellaneous

- Chairman, *Academic Forum for Nuclear Awareness* (www.AFNA-forum.org). Founded in 2007, AFNA is an Israeli non-partisan organization promoting awareness and preparedness in the face of nuclear threats.
- Member, *World Nuclear Forum 193* (<https://www.wnf-193.com>). Founded in 2019, this international forum organizes meetings and knowledge sharing, as well as writing position papers, consulting, organizing professional conferences, lectures to the general public and more.

12. Professional Experience

2007 – 2017 *Falcon Analytics* – self-owned consultancy

Projects with

- *ELTA Systems Ltd* (a division and subsidiary of *Israel Aerospace Industries*)
- *IDF Home Front & Technion*
- *Helmholz Zentrum Berlin & Budker Inst. for Nuclear Physics* (Novosibirsk, Russia)

1988 – 1990 *I.P. Bardin Research Institute for Ferrous Metallurgy*, Moscow

- R&D engineer, Lab. of soft magnetic materials
- Responsibilities: team member – thermo-magnetic alloys

PUBLICATIONS

A. Ph.D. Dissertation

Dilepton production in Pb-Au collisions at 158 GeV per nucleon using the CERES detector. Sep 30, 1999. 85 pages (English). Weizmann Institute of Science. Supervisor: Prof Itzhak Tserruya https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4130947

B. Papers (Refereed)

1. D'yakonova N.G., V.V. Sadchikov and E.I. **Sokol**. Thermomagnetic properties of high nickel alloys. *Metal Science and Heat Treatment* **32** (1990) 713–716. Rank: Q3. Impact factor: 0.3
2. **Socol** E., Y. Amitai and A.A. Friesem. Design of planar optical interconnects. *SPIE Proceedings* **2426** (1995) 433–442. Impact factor: 0.4. Times cited: 4.
3. Agakichiev G. *et al.* (CERES Collaboration) New results from NA45/CERES. *Nuclear Physics A* **590** (1995) 103–116. Rank: Q2. Impact factor: 1.5. Times cited: 49.
4. Agakichiev G., ..., **E. Socol** *et al.* (CERES Collaboration) Performance of the CERES Electron Spectrometer in the CERN SPS Lead Beam. *Nuclear Instruments and Methods A* **371** (1996) 16–21. Rank: Q1. Impact factor: 2.0. Times cited: 17.
5. Faschingbauer U., ..., **E. Socol** *et al.* (CERES Collaboration) A doublet of 3 in. cylindrical silicon drift detectors in the CERES experiment. *Nuclear Instruments and Methods A* **377** (1996) 362–366. Rank: Q1. Impact factor: 1.5. Times cited: 18.
6. Ullrich T., ..., **E. Socol** *et al.* (CERES Collaboration) First results from CERES/NA45 on low-mass electron pair production in Pb-Au collisions. *Nuclear Physics A* **610** (1996) 317–330. Rank: Q2. Impact factor: 1.5. Times cited: 86.
7. Appelshauser H., ..., **E. Socol** *et al.* (CERES Collaboration) Physics with the upgraded CERES detector. *Acta Phys. Polonica B* **29** (1998) 3153–3159. Rank: Q2. Impact factor: 0.6. Times cited: 4.
8. Agakichiev G., ..., **E. Socol** *et al.* (CERES Collaboration) Low-mass e^+e^- -pair production in 158A GeV Pb-Au collisions at the CERN SPS, its dependence on multiplicity and transverse momentum. *Phys. Lett. B* **422** (1998) 405–412. Rank: Q1. Impact factor: 3.6. Times cited: 466.
9. Ceretto F., ..., **E. Socol** *et al.* (CERES Collaboration) Hadron physics with CERES: spectra and collective flow. *Nuclear Physics A* **638** (1998) 467c–470c. Rank: Q2. Impact factor: 1.5. Times cited: 55.

10. Ravinovich I., ..., **E. Socol** *et al.* (CERES Collaboration) CERES results on low-mass electron pair production in Pb-Au collisions. *Nuclear Physics A* **638** (1998) 159c–170c. Rank: Q2. Impact factor: 1.5. Times cited: 39.
11. Lenkeit B., ..., **E. Socol** *et al.* (CERES Collaboration) New results on low-mass lepton pair production in Pb-Au collisions at 158 GeV/c per nucleon. *Nuclear Physics A* **654** (1999) 627c–630c. Rank: Q2. Impact factor: 1.5. Times cited: 13.
12. Lenkeit B., ..., **E. Socol** *et al.* (CERES Collaboration) Recent results from Pb-Au collisions at 158 GeV/c per nucleon obtained with the CERES spectrometer. *Nuclear Physics A* **661** (1999) 23c–32c. Rank: Q2. Impact factor: 1.5. Times cited: 175.
13. **Socol Y.**, O. Abramson, A. Gedanken *et al.* Suspensive electrode formation in pulsed sonoelectrochemical synthesis of silver nanoparticles. *Langmuir* **18** (2002), 4736–4740. Rank: Q1. Impact factor: 4.0. Times cited: 108.
14. **Socol Y.**, Y. Meshorer, L. Berenstein and A. Zaban. Using ultrasonic energy to improve the ink drying process: a feasibility study. *Journal of Imaging Science and Technology*, **47** (2003) 239–242. Rank: Q2. Impact factor: 0.9. Times cited: 1.
15. **Socol Y.**, L. Berenstein, and A. Zaban. Method for in situ measurements of inkjet printed ink drops. *Journal of Imaging Science and Technology*, **48** (2004) 15–21. Rank: Q2. Impact factor: 0.9. Times cited: 12.
16. Agakichiev G., ..., **E. Socol** *et al.* (CERES Collaboration) Semihard scattering unraveled from collective dynamics by two-pion azimuthal correlations in 158A GeV/c Pb+Au collisions. *Phys. Rev. Let.* **92** (2004) Art. 032301. Rank: Q1. Impact factor: 7.6. Times cited: 109.
17. Bormashenko E., R. Pogreb, **Y. Socol**, *et al.* Novel scheme for electrically-controlled resonance IR waveguides. *Opt. Applicata* **34** (2004) 303–307. Rank: Q3. Impact factor: 0.6. Times cited: 2.
18. Bormashenko E., R. Pogreb, **Y. Socol**, *et al.* Polyvinylidene fluoride – piezoelectric polymer for integrated infrared optics applications. *Opt. Materials* **27** (2004) 429–434. Rank: Q1. Impact factor: 2.0. Times cited: 38.
19. Bormashenko E., R. Pogreb, O. Stanevsky, **Y. Socol**, *et al.* Self-assembled honeycomb polycarbonate films deposited on polymer piezoelectric substrates and their applications. *Polym. Adv. Technol.* **16** (2005) 299–304. Rank: Q1. Impact factor: 2.0. Times cited: 45.
20. Agakichiev G., ..., **E. Socol** *et al.* (CERES Collaboration) e^+e^- -pair production in Pb-Au collisions at 158 GeV per nucleon. *Eur. Phys. J.* **C41** (2005) 475–513. Rank: Q1. Impact factor: 4.9. Times cited: 126.
21. Bielcikova J., ..., **E. Socol** *et al.* (CERES collaboration) Semihard scattering unraveled from collective flow at the SPS. *Eur. Phys. J.* **C43** (2005) 323–327. Rank: Q1. Impact factor: 4.9. Times cited: 2.
22. **Socol Y.**, A. Gover, A. Eliran *et al.* Coherence limits and chirp control in long pulse free electron laser oscillator. *Physical Review Special Topics: Accelerators and Beams* **8** (2005) Art. 080701. Rank: Q1. Impact factor: 2.0. Times cited: 7.

23. **Socol Y.** Mechanical means for temperature compensation of planar diffractive optical interconnects. *Opt. Eng. Lett.* **45** (2006) Art. 040502. Rank: Q1. Impact factor: 1.2. Times cited: 1.
24. **Socol Y.** and I.S. Guzman. Fast ring-shape self-assembling in water-based ink-jetted droplets. *J. Phys. Chem. B*, **110** (2006) 18347–18350. Rank: Q1. Impact factor: 3.2. Times cited: 22.
25. **Socol Y.**, G. N. Kulipanov, A. N. Matveenko, O. A. Shevchenko and N.V. Vinokurov. Compact 13.5-nm free-electron laser for extreme ultraviolet lithography. *Physical Review Special Topics: Accelerators and Beams* **14** (2011) 040702. Rank: Q1. Impact factor: 2.0. Times cited: 66.
26. **Socol Y.**, M. Yanovskiy and M. Bronshtein. Challenges of a multi-polar nuclear world. *Obrana a strategie (Defence & Strategy)* **12/1** (2012) 27–40, DOI: 10.3849/1802-7199.12.2012.01.027-040 Times cited: 1.
27. **Socol Y.** (Review) High-power free-electron lasers—technology and future applications. *Optics & Laser Technology* **46** (2013) 111–126. Rank: Q2. Impact factor: 1.9. Times cited: 28.
28. **Socol Y.**, M. Yanovskiy and I. Zatcovetsky. Low-dose ionising radiation: scientific controversy, moral-ethical aspects and public choice. *International Journal of Nuclear Governance, Economy and Ecology*, **4** (2013) 59–75. Times cited: 13.
29. **Socol Y.**, L. Dobrzyński, M. Doss *et al.* Commentary: ethical issues of current health-protection policies on low-dose ionizing radiation. *Dose-Response* **12** (2014) 342–348. Rank: Q1. Impact factor: 2.4. Times cited: 36.
30. **Socol Y.**, J. Cuttler, L. Dobrzyński *et al.* Comment on "NAIRAS aircraft radiation model development, dose climatology, and initial validation", *Space Weather* **12/2** (2014) 120–121. Rank: Q2. Impact factor: 2.6. Times cited: 1.
31. **Socol Y.** Chernobyl's legacy: black prophecies' bubble. *Europhysics News* **45/1** (2014) 27, DOI: 10.1051/epr/2014199. Times cited: 2.
32. **Socol Y.** Nuclear-powered unmanned aerial vehicles for science, industry and telecommunications. *International Journal of Nuclear Governance, Economy and Ecology* **4/2** (2014) 77–82. Times cited: 1.
33. Fornalski KW., M. Cohen, J. Cuttler *et al.* Letter to the Editor: French nuclear power plants and childhood leukemia. *Dose-Response*. **12** (2014) 518–21. Rank: Q1. Impact factor: 2.4. Times cited: 1.
34. **Socol Y.** Reconsidering health consequences of the Chernobyl accident. *Dose-Response* **13/1** (2015) 14-040. Rank: Q1. Impact factor: 2.4. Times cited: 17.
35. **Socol Y.** and L. Dobrzyński. Atomic bomb survivors life-span study: insufficient statistical power to select radiation carcinogenesis model. *Dose-Response* **13/1** (2015) 14-34. Rank: Q1. Impact factor: 2.4. Times cited: 45.
36. **Socol Y.** and J.S. Welsh. Regarding the credibility of data showing an alleged association of cancer with radiation from CT scans. *Technology in Cancer Research and Treatment* **15/1** (2016) 159–162. Rank: Q2. Impact factor: 2.2. Times cited: 8.
37. **Socol Y.** and J.S. Welsh. Changing attitude toward radiation carcinogenesis and prospects for novel low-dose radiation treatments. *Technology in Cancer*

- Research and Treatment* **15/6** (2016) 732–736. Rank: Q2. Impact factor: 2.2. Times cited: 2.
38. Dobrzyński L., KW. Fornalski, **Y. Socol** and J.M. Reszczyńska. Modeling of irradiated cells' transformation: the dose- and time-dependent effects. *Radiation Research*. **186/4** (2016) 396–406. Rank: Q1. Impact factor: 2.5. Times cited: 14.
 39. Cuttler J, L. Feinendegen and **Y. Socol**. Evidence that lifelong low dose-rates of ionizing radiation increase lifespan in long- and short-lived dogs. *Dose-Response*, Jan-Mar (2017) 1–6. Rank: Q1. Impact factor: 2.4. Times cited: 34.
 40. Siegel JA, B. Sacks and **Y. Socol**. The LSS Cohort of Atomic Bomb Survivors and LNT. *Radiation Research*, **188** (2017), 463–464. Rank: Q1. Impact factor: 2.5 Times cited: 8.
 41. Vaiserman A., A. Koliada, O. Zabuga and **Y. Socol**. (*Review*) Health Impacts of Low-Dose Ionizing Radiation: Current Scientific Debates and Regulatory Issues. *Dose-Response* **16/3** (2018) 1559325818796331 Rank: Q2. Impact factor: 2.4 Times cited: 220.
 42. Cuttler J, L. Feinendegen and **Y. Socol**. Evidence of a dose-rate threshold for lifespan reduction of dogs exposed lifelong to γ -radiation. *Dose-Response* **16/4** (2018) 1559325818820211. Rank: Q1. Impact factor: 2.4 Times cited: 8.
 43. Yanovskiy M., Y.Y. Shaki and **Y. Socol**. Ethics of adoption and use of the linear no-threshold model. *Dose-Response* **17/1** (2019) 1559325818822602. Rank: Q1. Impact factor: 2.4, Times cited: 8.
 44. **Socol Y**, Y.Y. Shaki and A. Vaiserman. Thyroid cancer overdiagnosis: implications for understanding radiation carcinogenesis and for medical imaging. *Chemico-Biological Interactions* **305** (2019) 1–2. Rank: Q1. Impact factor: 3.5. Times cited: 4.
 45. **Socol Y**, Y.Y. Shaki and M Yanovskiy. Interests, Bias, and Consensus in Science and Regulation. *Dose-Response* **17/2** (2019) 1559325819853669 Rank: Q1. Impact factor: 2.4, Times cited: 9.
 46. **Socol Y**, Y.Y Shaki, L Dobrzyński. Damped-oscillator model of adaptive response and its consequences. *International Journal of Low Radiation* **11** (3-4) (2020) 186-206. Rank: Q4. Impact factor: 0.2, Times cited: 8
 47. **Socol Y** and Y.Y. Shaki. Vaccinations: Mandatory or Voluntary? Risk–Benefit Analysis. *Dose-Response* **18** (2), 1559325820920116 (2020). Rank: Q2. Impact Factor: 2.3
 48. Yanovskiy M, O.N. Levi, Y.Y. Shaki and **Y. Socol**. Consequences of a large-scale nuclear accident and guidelines for evacuation: a cost-effectiveness analysis. *International Journal of Radiation Biology* **96/11** (2020), 1382-1389; Q1. Impact factor: 2.4 Times cited: 4.
 49. **Socol Y**, Y. Gofman, M. Yanovskiy and B. Brosh. Assessment of probable scenarios of radiological emergency and their consequences. *International Journal of Radiation Biology* **96/11** (2020), 1390-1399; Q1. Impact factor: 2.4. Times cited: 6.
 50. **Socol Y**, V.S. Rotenberg and J.S. Welsh. Radiation risk and follow-up of accidentally exposed populations: Implications of the search activity concept.

- Journal of the American College of Radiology* **18**(3) Part A (2021): 462-463. DOI: 10.1016/j.jacr.2020.06.024, Rank: Q1. Impact factor: 3.8.
51. **Socol Y**, YY Shaki, and L Dobrzyński. Irradiation of arbitrary time-dependence: Damped-oscillator model of organism's response. *IEEE Transactions on Radiation and Plasma Medical Sciences*, **6**(4) (2022) 475-481. DOI: 10.1109/TRPMS.2020.3042720. Rank: Q1. Impact Factor: 4.95
 52. Vaiserman A, Cuttler J.M., and **Socol Y. (Review)** Low-dose ionizing radiation as a hormetin: experimental observations and therapeutic perspective for age-related disorders. *Biogerontology* **22** (2021) 145-164. Rank: Q1. Impact Factor: 3.88. Times cited: 46.
 53. Soyfer V, **Y Socol**, D Bragilovski, and BW Corn. The theoretical value of whole-lung irradiation for COVID-19 pneumonia: A reasonable and safe solution until targeted treatments are developed. *Radiation Research* **195/5** (2021), 474-479. Rank: Q1. Impact factor: 2.5. Times cited: 3.
 54. Yanovskiy M and **Socol Y**. Comments on “Elena Alexandrovna Timofeeva-Resovskaya at the forefront of radiobiology in the XX century” *International Journal of Radiation Biology* **97/10** (2021), 1502-1503. Rank: Q1. Impact factor: 2.4
 55. **Socol Y**, Feinendegen L, Fornalski KW, Janiak M, Mothersill C, and Waligórski MPR. Professor Ludwik Dobrzyński 1941–2022. *International Journal of Radiation Biology* DOI: 10.1080/09553002.2022.2038807, Rank: Q1. Impact factor: 2.4
 56. Yanovskiy M, Levi ON, Shaki YY, Zigdon A, and **Socol Y**. Cost-Effectiveness Threshold for Healthcare: Justification and Quantification. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*. **59** (2022), 1-8. DOI: 10.1177/00469580221081438. Rank: Q1. Impact factor: 1.9. Times cited: 11.
 57. Yanovskiy M and **Socol Y**. Are Lockdowns Effective in Managing Pandemics? *International Journal of Environmental Research and Public Health* **19** (2022), 9295. <https://doi.org/10.3390/ijerph19159295> Rank: Q1. Impact factor: 4.54. Times cited: 29.
 58. Fornalski KW, Cuttler JM, **Socol Y**, Waligórski M, Janiak MK, Deja K, Mothersill C. Professor Ludwik Dobrzyński (1941-2022) – The Obituary. *Dose Response*. 2022 Sep 22; **20**(3):15593258221115592. doi: 10.1177/15593258221115592. Rank: Q2. Impact factor: 2.4
 59. Yanovskiy M and **Socol Y**. Marriage under Gender Perspective: Marital Rape Institution vs. Judeo-Christian Tradition. *Derecho y religion (Law and religion)* ISSN 1887-3243, 2023, pp. 185-194.
 60. Yanovskiy M and **Socol Y**. The conflict of interest that is so grave that we all prefer to ignore it? *Semestre Económico* **12/2** (2023), 78-91 DOI: 10.26867/se.2023.v12i2.153
 61. **Socol Y**, M Yanovskiy, YY Shaki. Judeo-Christian analysis of the COVID-19 crisis and its management. *Journal of the Sociology and Theory of Religion* **15/1** (2023), 131-154 DOI: 10.24197/jstr.1.2023.131-154 Times cited: 3
 62. Yanovskiy M, **Y Socol**. Geneticist Iosif Rapoport: the Scientist vs. the State. *Journal of American Physicians and Surgeons* **28/2** (2023)

63. Yanovskiy M and **Socol Y**. Probability of development of nuclear weapons by Ukraine: scenarios and factors. *Defence and Strategy* **23**/1 (2023) 96-113
DOI:10.3849/1802-7199.23.2023.01.092-108
<https://www.obranastrategie.cz/filemanager/files/2958997-en.pdf>
64. **Socol Y**. If you torture your data long enough, it will confess to anything: on the epidemiological basis of the LNT model. *Health Physics* (2024) DOI: 10.1097/HP.0000000000001775 Rank: Q2. Impact factor: 1.7
65. M Pua, K Yanovskiy, **Y Socol**, Y Shaki. To Rest in Peace: Judeo-Christian Approach to End-of-Life and Palliative Treatment. *Journal of the Sociology and Theory of Religion* **16**/1 (2024), 156-160
<https://revistas.uva.es/index.php/socireli/article/view/7642/5857>
66. **Socol Y**, Richardson A, Garali-Zineddine I, Grison S, Vares G and Klovov D. Artificial Intelligence in Biology and Medicine, and Radioprotection Research: Perspectives from Jerusalem. *Frontiers in Artificial Intelligence* **6** (2024)
<https://doi.org/10.3389/frai.2023.1291136> Rank: Q2. Impact factor: 4.2. Times cited: 1.

C. Articles or Chapters in Scientific Books

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E. Other Scientific Publications

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