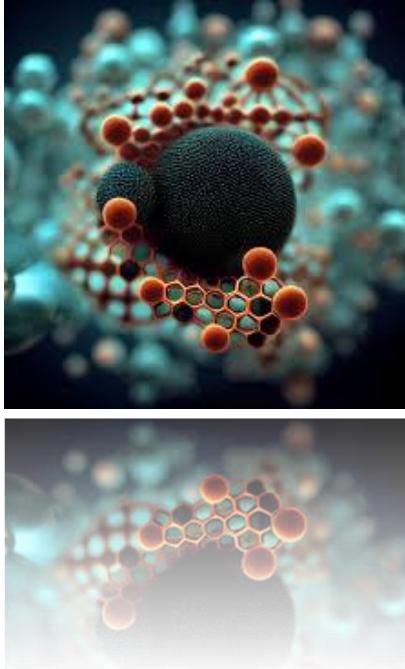


Νανοϋλικά



ΣΕΙΡΑ: ΤΕΚΜΗΡΙΩΣΗ ΥΑΕ 46

Οκτώβριος 2024

Το θεματικό βιβλιογραφικό δελτίο περιλαμβάνει μονογραφίες και άρθρα που αφορούν στα **Νανοϋλικά** και αποτελούν μέρος της συλλογής της Βιβλιοθήκης του ΕΛ.ΙΝ.Υ.Α.Ε., καθώς και χρήσιμες διασυνδέσεις. Αρκετές αναφορές είναι σε ηλεκτρονική μορφή και μπορεί ο ενδιαφερόμενος να έχει άμεση πρόσβαση στο ντοκουμέντο.

Το δελτίο υπάρχει στον ιστότοπο του ΕΛ.ΙΝ.Υ.Α.Ε. <http://www.elinyae.gr/>

Συλλογή, επεξεργασία και επιμέλεια υλικού: Φανή Θωμαδάκη, Βιβλιοθηκονόμος

Περιεχόμενα

1. Βιβλιογραφία.....	2-5
2. Χρήσιμες διασυνδέσεις.....	5-6

ΒΙΒΛΙΟΓΡΑΦΙΑ

(Πρόσβαση 16/10/24)

Applications and safety of nanomaterials used in the food industry/ K. Higashisaka, Y. Yoshioka, Y. Tsutsumi, Food Safety, 2015, 3(2), 39-47

https://www.jstage.jst.go.jp/article/foodsafetyfscj/3/2/3_2015005/_article

Approaches to safe nanotechnology: managing the health and safety concerns associated with engineered nanomaterials/ CDC, NIOSH, March 2009, 104 p.

<https://www.cdc.gov/niosh/docs/2009-125/pdfs/2009-125.pdf?id=10.26616/NIOSHPUB2009125>

Continuing to protect the nanotechnology workforce: NIOSH nanotechnology research plan for 2018 – 2025/ L. Hodson, ...[et.al.], OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication 2019-116

<https://www.cdc.gov/niosh/docs/2019-116/pdfs/2019-116.pdf>

A harmonized protocol for an international multicenter prospective study of nanotechnology workers: the NanoExplore cohort/ I. Guseva Canu, ...[et.al.], Nanotechnology, 2023, 17(1), 1-19

<https://www.tandfonline.com/doi/full/10.1080/17435390.2023.2180220#abstract>

Human and environmental impacts of nanoparticles: a scoping review of the current literature/ E.A. Kumah, ...[et.al.], BMC Public Health, 2023, article number 23, 28 p.

<https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-023-15958-4>

Inhalation exposure to various nanoparticles in work environment—contextual information and results of measurements/ P. Oberbek, ...[et.al.], Journal of Nanoparticle Research, 2019, 21, article number 222, 24 p.

<https://link.springer.com/article/10.1007/s11051-019-4651-x>

An integrated approach to occupational health risk assessment of manufacturing nanomaterials using Pythagorean Fuzzy AHP and Fuzzy Inference System/ S. Salari, M. Sadeghi-Yarandi, F. Golbabaei, Scieintific Reports 14, 2024, article number 180, 13 p.

<https://www.nature.com/articles/s41598-023-48885-w>

Managing nanomaterials in the workplace/ EU-OSHA

<https://osha.europa.eu/en/emerging-risks/nanomaterials>

Manufactured nanomaterials in the workplace: risks and how to manage them/ OSHWIKI, 2019

<https://oshwiki.osha.europa.eu/en/themes/manufactured-nanomaterials-workplace-risks-and-how-manage-them>

Nanomaterials/ R.A. Stepa, ...[et.al.], OSHWIKI, 2012
<https://oshwiki.osha.europa.eu/en/themes/nanomaterials>

Nanomaterials and workplace health & safety: what are the issues for workers?/ A.M.P. Del Castillo.- ETUI, 2013.- 44 p. ISBN 978-2-87452-288-8
https://www.etui.org/sites/default/files/Guide_Nanos_EN_0.pdf

Nanomaterials in maintenance work: occupational risks and prevention/ Th. Winksi, R. Graveling, EU-OSHA, Oshwiki, 2017
<https://oshwiki.osha.europa.eu/en/themes/nanomaterials-maintenance-work-occupational-risks-and-prevention>

Nanomaterials in the healthcare sector: occupational risks and prevention/ Th. Winski, OSHWIKI, 2017
<https://oshwiki.osha.europa.eu/en/themes/nanomaterials-healthcare-sector-occupational-risks-and-prevention>

Nanoparticles-induced potential toxicity on human health: applications, toxicity mechanisms, and evaluation models/ L. Xuan, ...[et.al.], MedComm, 2023, 4(4)
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10349198/>

Nanosensors applications in agriculture and food industry/ E. Omanović-Mikličanina, M. Maksimović, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 2016, 47, 59-70
https://www.researchgate.net/publication/309487738_Nanosensors_applications_in_agriculture_and_food_industry

Nanotechnology research at NIOSH/ A. Eastlake, J.P. Sadowski
<https://www.ishn.com/articles/111664-nanotechnology-research-at-niosh>

Nanotechnology safety as a new challenge for occupational health and safety/ P. Danihelka, ...[et.al.], Communications, 2015, 2, 109-114
https://www.researchgate.net/publication/292162304_Nanotechnology_Safety_as_a_New_Challenge_for_Occupational_Health_and_Safety

Nanotechnology safety resources/ American Chemical Society
<https://www.acs.org/about/governance/committees/chemical-safety/publications-resources/nanotechnology-safety-resources.html>

NIOSH global collaborations on workplace safety of nanomaterials/ V. Murashov, NIOSH Science Blog, Feb. 2024
<https://blogs.cdc.gov/niosh-science-blog/2024/02/01/nano-20-global/>

NIOSH risk assessment of engineered nanomaterials/ D. Kuempel, NIOSH Science Blog, June 2024 https://blogs.cdc.gov/niosh-science-blog/2024/06/03/nano_20_risk/

Occupational exposure to nanomaterials: a bibliometric study of publications over the last decade/ P. Mohammadi, A. Galera, International Journal of Hygiene and Environmental Health, 2023, 249, 11 p.
<https://www.sciencedirect.com/science/article/pii/S1438463923000238>

Occupational risks related to engineered nanomaterials (ENMs)/ PEROSH

<https://perosh.eu/wp-content/uploads/2020/11/2012-Occupational-risks-related-to-engineered-nanomaterials-ENMs.pdf>

Oxidative stress induced by occupational exposure to nanomaterials: a systematic review/ J. Ghafari, N. Moghadasi, S. Omari Shekaftik, Industrial Health, 2020, 58 (6), 492-502
https://www.jstage.jst.go.jp/article/indhealth/58/6/58_2020-0073/_article/-char/en

Results of the 2019 survey of engineered nanomaterial occupational health and safety practices/ N.M. Neu-Baker, A. Eastlake, L. Hodson, International Journal of Environmental Research and Public Health, 2022, 19(13)
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9265280/>

Safe nanotechnology in the workplace: an introduction for employers, managers, and safety and health professionals/ Department of Health and Human Services, CDC NIOSH, Feb 2008, 2 p.
<https://www.cdc.gov/niosh/docs/2008-112/pdfs/2008-112.pdf>

Safe work practices in nanotechnology: at the National Institutes of Health/ NIH
<https://ors.od.nih.gov/sr/dohs/Documents/brochure-safe-work-practices-in-nanotechnology.pdf>

Safety aspects of nanotechnology applications in food packaging/ M. Dimitrijevic, ...[et.al.], Procedia Food Science, 2015, 5, 57-60

Safety of Nanoparticles/ A. Mandal, 2023
<https://www.news-medical.net/life-sciences/Safety-of-Nanoparticles.aspx>

Tools for the management of nanomaterials in the workplace and prevention measures/ Th. Winski, OSHWIKI, 2017
<https://oshwiki.osha.europa.eu/en/themes/tools-management-nanomaterials-workplace-and-prevention-measures>

Types and uses of nanomaterials, including safety aspects/ European Commission, 2012, 111 p.
<https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=SWD:2012:0288:FIN:EN:PDF>

Using nanomaterials at work: including carbon nanotubes (CNTs) and other biopersistent high aspect ratio nanomaterials (HARNs)/ HSE, 2013, 29 p.
<https://www.hse.gov.uk/pubns/books/hsg272.pdf>

WHO guidelines on protecting workers from potential risks of manufactured nanomaterials.- Geneva: WHO, 2017.- 94 p.
<https://www.who.int/publications/i/item/9789241550048>

Working Safely with Engineered Nanoparticles: work health and safety manual/ University of South Australia, Feb. 2020, 26 p.
https://i.unisa.edu.au/siteassets/human-resources/ptc/files/guidelines/safety-and-wellbeing/nano_particles_working_safely.pdf

Working safely with manufactured nanomaterials/ Directorate-General for Employment, Social Affairs and Inclusion (European Commission), 2019, 12 p. ISBN 978-92-79-46462-1
<https://op.europa.eu/en/publication-detail/-/publication/4d51f5b2-545d-11ea-aece-01aa75ed71a1/language-en>

Working safely with nanomaterials/ Occupational Safety and Health Administration (OSHA).- OSHA FactSheet.- 4 p.

https://www.osha.gov/sites/default/files/publications/OSHA_FS-3634.pdf

Working with Nanomaterials – Guideline/ UBC Safety & Risk Services, 2021, 8 p.

<https://riskmanagement.sites.olt.ubc.ca/files/2021/10/CHEM-GDL-002-Working-with-Nanomaterials-Guideline.pdf>

Working with nanotechnology: data on health effects is limited/ J. Bush, Safety + Health, April 2018

<https://www.safetyandhealthmagazine.com/articles/16883-nanotechnology>

Workplace exposure to nanoparticles/ J. Kosk-Bienko, EU-OSHA, 2009.- 91 p.

(European Risk Observatory, Literature review)

<https://osha.europa.eu/sites/default/files/2022-03/090325-FINAL-Working%20exposure%20to%20nanoparticles.pdf>

Διασφάλιση της ασφαλούς χρήσης των νανοϋλικών στον χώρο εργασίας/ European Union Observatory for Nanomaterials (EUON)

<https://euon.echa.europa.eu/el/ensure-safe-use-of-nanomaterials-at-the-workplace>

Εκτίμηση κινδύνου των νανοϋλικών/ Π. Λεμονιά.- Λάρισα: Πανεπιστήμιο Θεσσαλίας. Σχολή Επιστημών Υγείας. Τμήμα Βιοχημείας και Βιοτεχνολογίας. ΠΜΣ Τοξικολογία, 2021, 66 σ.

(Διπλωματική εργασία)

<https://ir.lib.uth.gr/xmlui/bitstream/handle/11615/56882/23294.pdf?sequence=1>

Εφαρμογές νανοτεχνολογίας στο πεδίο των κατασκευών/ A. Λιβανίου.- Βόλος: Πανεπιστήμιο Θεσσαλίας. Πολυτεχνική Σχολή. Τμήμα Πολιτικών Μηχανικών, 2012.- 200 σ. (Διπλωματική εργασία)

<https://core.ac.uk/download/pdf/150719846.pdf>

Νανοσωματίδια στο χώρο εργασίας: διαδικασίες παραγωγής - εκτίμηση έκθεσης εργαζομένων αναμενόμενες επιπτώσεις

<https://dione.lib.unipi.gr/xmlui/handle/unipi/9420>

Σκόνη και νανοσωματίδια: υγεία και ασφάλεια

https://ec.europa.eu/taxation_customs/dds2/SAMANCTA/EL/Safety/Dust_EL.htm

ΧΡΗΣΙΜΕΣ ΔΙΑΣΥΝΔΕΣΕΙΣ

(Πρόσβαση, 16/10/2024)

- **EU-OSHA (European Agency for Safety and Health at Work)**

What are nanoparticles and nanomaterials?

<https://osha.europa.eu/en/themes/dangerous-substances/practical-tools-dangerous-substances/what-are-nanoparticles-and-nanomaterials>

- **Science Direct**

Nanoparticle

<https://www.sciencedirect.com/topics/materials-science/nanoparticle>

- **American Chemical Society**

Nanotechnology Safety Resources

<https://www.acs.org/about/governance/committees/chemical-safety/publications-resources/nanotechnology-safety-resources.html>