

nanoEHS

VIRTUAL JOURNAL

The Virtual Journal of Nanotechnology Environment, Health and Safety

Archive:

HOT PAPER: ["Nucleation of protein fibrillation by nanoparticles"](#)

[More Information..](#)

Recent Additions [See the full issue](#)



Effects of nanoparticles on the adhesion and cell viability on astrocytes

Au, C.; Mutkus, L.; Dobson, A.; Riffle, J.; Lalli, J.; Aschner, M.

Biological trace element research

Au, C.; Mutkus, L.; Dobson, A.; Riffle, J.; Lalli, J.; Aschner, M., Biological trace element research 2007, 120, 248.

[Details](#)



A unique and highly efficient non-viral DNA/siRNA delivery system based on PEI-bisepoxide nanoparticles

Swami, A.; Kurupati, R. K.; Pathak, A.; Singh, Y.; Kumar, P.; Gupta, K. C.

Biochemical and biophysical research communications

Swami, A.; Kurupati, R. K.; Pathak, A.; Singh, Y.; Kumar, P.; Gupta, K. C., Biochemical and biophysical research communications 2007, 362, 835.

[Details](#)

Investigation of characterization method for nanoparticles in roadside atmosphere by thermal desorption-gas chromatography/mass spectrometry using a pyrolyzer

Fushimi, A.; Tanabe, K.; Hasegawa, S.; Kobayashi, S.

The Science of the total environment

Fushimi, A.; Tanabe, K.; Hasegawa, S.; Kobayashi, S., The Science of the total environment 2007, 386, 83.

[Details](#)

Recent Virtual Journal Issues:

[October 2007](#)
[September 2007](#)
[August 2007](#)
[July 2007](#)
[June 2007](#)
[May 2007](#)
[April 2007](#)
[March 2007](#)
[February 2007](#)
[January 2007](#)
[December 2006](#)
[November 2006](#)

Other Issue:

Browse:

- [By Author](#)
- [By Journal](#)
- [By Date](#)
- [Latest Additions](#)

Search:

- [Advanced Search](#)

More Resources:

- [Other Database Links](#)
- [Wilson Center](#)

**Nanoparticle penetration through NIOSH-approved N95 filtering facepiece respirators**

Rengasamy, S.; Verbofsky, R.; King, W. P.; Shaffer, R.

Journal of International Society for Respiratory Protection

Rengasamy, S.; Verbofsky, R.; King, W. P.; Shaffer, R., Journal of International Society for Respiratory Protection 2007, 24, 49.

[Details](#)

Paclitaxel and ceramide co-administration in biodegradable polymeric nanoparticulate delivery system to overcome drug resistance in ovarian cancer

Devalapally, H.; Duan, Z.; Seiden, M. V.; Amiji, M. M.

International journal of cancer

Devalapally, H.; Duan, Z.; Seiden, M. V.; Amiji, M. M., International journal of cancer. Journal international du cancer 2007, 121, 1830.

[Details](#)

Camptothecin-incorporating N-phthaloylchitosan-g-mPEG self-assembly micellar system: Effect of degree of deacetylation

Opanasopit, P.; Ngawhirunpat, T.; Rojanarata, T.; Choochottiros, C.; Chirachanchai, S.

Colloids and surfaces. B, Biointerfaces

Opanasopit, P.; Ngawhirunpat, T.; Rojanarata, T.; Choochottiros, C.; Chirachanchai, S., Colloids and surfaces. B, Biointerfaces 2007, 60, 117.

[Details](#)

Preparation, characterization, cytotoxicity and transfection efficiency of poly(di-lactide-co-glycolide) and poly(di-lactic acid) cationic nanoparticles for controlled delivery of plasmid DNA

Basarkar, A.; Devineni, D.; Palaniappan, R.; Singh, J.

International journal of pharmaceutics

Basarkar, A.; Devineni, D.; Palaniappan, R.; Singh, J., International journal of pharmaceutics 2007, 343, 247.

[Details](#)

Bioeliminable polymeric nanoparticles for proteic drug delivery

Chiellini, F.; Bartoli, C.; Dinucci, D.; Piras, A. M.; Anderson, R.; Croucher, T.

International journal of pharmaceutics

Chiellini, F.; Bartoli, C.; Dinucci, D.; Piras, A. M.; Anderson, R.; Croucher, T., International journal of pharmaceutics 2007, 343, 90.

[Details](#)

Role of nanotechnology in pharmaceutical product development

Devalapally, H.; Chakilam, A.; Amiji, M. M.

Journal of pharmaceutical sciences

Devalapally, H.; Chakilam, A.; Amiji, M. M., Journal of pharmaceutical sciences 2007, 96, 2547.

[Details](#)

Preparation and characteristic of vinorelbine bitartrate-loaded solid lipid nanoparticles

You, J.; Wan, F.; de Cui, F.; Sun, Y.; Du, Y. Z.; Hu, F. Q.

International journal of pharmaceutics

You, J.; Wan, F.; de Cui, F.; Sun, Y.; Du, Y. Z.; Hu, F. Q., International journal of pharmaceutics 2007, 343, 270.

[Details](#)

Preparation and Characterization of Innovative Protein-coated Poly(Methylmethacrylate) Core-shell Nanoparticles for Vaccine Purposes

Voltan, R.; Castaldello, A.; Brocca-Cofano, E.; Altavilla, G.; Caputo, A.; Laus, M.; Sparnacci, K.;

Ensolì, B.; Spaccasassi, S.; Ballestri, M.; Tondelli, L.

Pharmaceutical research

- [NIOSH](#)
- [Nanotechnology Risk Resources](#)
- [Nanomedicine Portal](#)

Voltan, R.; Castaldello, A.; Brocca-Cofano, E.; Altavilla, G.; Caputo, A.; Laus, M.; Sparnacci, K.; Ensoli, B.; Spaccasassi, S.; Ballestri, M.; Tondelli, L., *Pharmaceutical research* 2007, 24, 1870.

[Details](#)



Effect of different carbon nanotubes on cell viability and proliferation

De Nicola, M.; Gattia, D. M.; Bellucci, S.; De Bellis, G.; Micciulla, F.; Pastore, R.; Tiberia, A.; Cerella, C.; D'Alessio, M.; Antisari, M. V.; Marazzi, R.; Traversa, E.; Magrini, A.; Bergamaschi, A.; Ghibelli, L.

Journal of Physics-Condensed Matter

De Nicola, M.; Gattia, D. M.; Bellucci, S.; De Bellis, G.; Micciulla, F.; Pastore, R.; Tiberia, A.; Cerella, C.; D'Alessio, M.; Antisari, M. V.; Marazzi, R.; Traversa, E.; Magrini, A.; Bergamaschi, A.; Ghibelli, L., *J. Phys.-Condes. Matter* 2007, 19.

[Details](#)



Convection-enhanced delivery of nanoliposomal CPT-11 (irinotecan) and PEGylated liposomal doxorubicin (Doxil) in rodent intracranial brain tumor xenografts

Krauze, M. T.; Noble, C. O.; Kawaguchi, T.; Drummond, D.; Kirpotin, D. B.; Yamashita, Y.; Kullberg, E.; Forsayeth, J.; Park, J. W.; Bankiewicz, K. S.

Neuro-oncology

Krauze, M. T.; Noble, C. O.; Kawaguchi, T.; Drummond, D.; Kirpotin, D. B.; Yamashita, Y.; Kullberg, E.; Forsayeth, J.; Park, J. W.; Bankiewicz, K. S., *Neuro-oncology* 2007, 9, 393.

[Details](#)



Nanotechnology applications and implications research supported by the US Environmental Protection Agency STAR grants program

Savage, N.; Thomas, T. A.; Duncan, J. S.

Journal of environmental monitoring

Savage, N.; Thomas, T. A.; Duncan, J. S., *Journal of environmental monitoring : JEM* 2007, 9, 1046.

[Details](#)

Formation of colloidal silver nanoparticles stabilized by Na(+)-poly(gamma-glutamic acid)-silver nitrate complex via chemical reduction process

Yu, D. G.

Colloids and surfaces. B, Biointerfaces

Yu, D. G., *Colloids and surfaces. B, Biointerfaces* 2007, 59, 171.

[Details](#)

Combustion-derived nanoparticles: mechanisms of pulmonary toxicity

Bérubé, K.; Balharry, D.; Sexton, K.; Koshy, L.; Jones, T.

Clinical and experimental pharmacology & physiology

Bérubé, K.; Balharry, D.; Sexton, K.; Koshy, L.; Jones, T., *Clinical and experimental pharmacology & physiology* 2007, 34, 1044.

[Details](#)

Last updated on November 5, 2007

[StatCounter - Free Web Tracker and Counter](#)

[Join Us](#) | [About](#) | [Newsroom](#) | [Working Groups](#) | [Resources](#) | [Events](#)

This work is supported in part by the Nanoscale Science and Engineering Initiative of the National Science Foundation under NSF Award Number EEC-0118007.