

# Immobilization

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Immobilization in soil science, is when organic matter decomposes and is absorbed by micro-organisms, therefore preventing it being accessible to plants. Immobilization is the alternative to mineralization.



## Recent Publications on Immobilization:

- [Application of ionic liquids for solid-phase extraction of trace elements.](#)  
*That phosphonium-type ionic liquids (ILs) can be used for preparation of...* 11th October, 2008  
Vernadsky Institute of Geochemistry and Analytical Chemistry, Russian- Anal Sci. 2008  
Oct;24(10):1351-3.
- [Oxidoreductase behavior in ionic liquids: a review.](#)  
*Due to their unique characteristics ionic liquids (ILs) have been...* 11th October, 2008  
REQUIMTE, Servico de Quimica-Fisica, Faculdade de Farmacia, Universidade- Anal Sci. 2008  
Oct;24(10):1231-8.
- [Biodegradation of coumaphos, chlorferon, and diethylthiophosphate using bacteria immobilized in Ca-alginate gel beads.](#)  
*Calcium-alginate immobilized cell systems were developed for the...* 11th October, 2008  
Samsung Engineering Co. Ltd., R&D Center, Suwon, Republic of Korea.- Bioresour Technol. 2008 Oct  
7. ([DOI Direct Link](#))
- [\[The effects of exercise on articular cartilage\]](#)  
*The effect of exercise on articular cartilage has been assessed on animal...* 11th October, 2008  
Cukurova Universitesi Tip Fakultesi Ortopedi ve Travmatoloji Anabilim- Acta Orthop Traumatol Turc.  
2007;41 Suppl 2:13-8.
- [Low molecular weight heparin for prevention of venous thromboembolism in patients with lower-leg immobilization.](#)  
*BACKGROUND: Immobilization of the lower leg is associated with venous...* 10th October, 2008  
Department of Surgery and Orthopaedic Surgery, Viecuri Medical Centre of- Cochrane Database Syst  
Rev. 2008 Oct 8;(4):CD006681. ([DOI Direct Link](#))
- [Interventions for preventing venous thromboembolism in adults undergoing knee arthroscopy.](#)  
*BACKGROUND: Knee arthroscopy is a frequent surgical procedure. Arthroscopy...* 10th October, 2008  
Department of Orthopedics, Hospital Britanico de Buenos Aires, Dorrego- Cochrane Database Syst  
Rev. 2008 Oct 8;(4):CD005259. ([DOI Direct Link](#))
- [Direct electrochemistry of glucose oxidase immobilized on NdPO\(4\) nanoparticles/chitosan composite film on glassy carbon electrodes and its biosensing application.](#)  
*The direct electrochemistry of glucose oxidase (GOx) immobilized on a...* 10th October, 2008  
Institute of Analytical Science/Shaanxi Provincial Key Laboratory of- Bioelectrochemistry. 2008 Sep 6. ([DOI Direct Link](#))

- [A review of the fate of potassium in the soil-plant system after land application of wastewaters. Irrigation with wastewaters from agri-industry processes such as milk...](#) 10th October, 2008  
CSIRO Land and Water, PMB 3, Hanwood, 2680, Griffith, NSW, Australia.- J Hazard Mater. 2008 Sep 4. ([DOI Direct Link](#))
- [Artificial Cell Membrane-Covered Nanoparticles Embedding Quantum Dots as Stable and Highly Sensitive Fluorescence Bioimaging Probes.](#)  
*To obtain a stable and highly sensitive bioimaging fluorescence probe...* 10th October, 2008  
Department of Materials Engineering and Department of Bioengineering,- Biomacromolecules. 2008 Oct 9. ([DOI Direct Link](#))
- [Anniversary Paper: the role of medical physicists in developing stereotactic radiosurgery.](#)  
*This article is a tribute to the pioneering medical physicists over the...* 10th October, 2008  
University of Virginia Health Systems, Charlottesville, Virginia- Med Phys. 2008 Sep;35(9):4262-77.
- [Development of Magnetic Particle-based Chemiluminescence Enzyme Immunoassay for the Detection of 17beta-estradiol in Environmental Water.](#)  
*In the present work, a simple, fast, and highly sensitive...* 9th October, 2008  
The Key Laboratory of Bioorganic Phosphorus Chemistry & Chemical Biology,- Appl Biochem Biotechnol. 2008 Oct 8. ([DOI Direct Link](#))
- [Impact of nutrient removal through harvesting on the sustainability of the boreal forest.](#)  
*The cycling of base cations (K, Ca, Mg, and Na) was investigated in a...* 9th October, 2008  
Direction de la Recherche Forestiere, Foret Quebec, Ministere des- Ecol Appl. 2008 Oct;18(7):1642-51.
- [Nitrogen retention in urban lawns and forests.](#)  
*Lawns are a dominant cover type in urban ecosystems, and there is concern...* 9th October, 2008  
Department of Natural Resources, Cornell University, Fernow Hall, Ithaca,- Ecol Appl. 2008 Oct;18(7):1615-26.
- [Novel functionalized ternary copolymer fluorescent nanoparticles: synthesis, fluorescent characteristics and protein immobilization.](#)  
*Novel fluorescent poly(styrene-acrylamide-acrylic acid) nanoparticles...* 8th October, 2008  
The Key Laboratory of Biomedical Information Engineering of Ministry of- J Mater Sci Mater Med. 2008 Oct 7. ([DOI Direct Link](#))
- [Inner epidermis of onion bulb scale: As natural support for immobilization of glucose oxidase and its application in dissolved oxygen based biosensor.](#)  
*Inner epidermal membrane of the onion bulb scales was studied as a natural...* 8th October, 2008  
Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research- Biosens Bioelectron. 2008 Aug 26. ([DOI Direct Link](#))

## BioNews Results for Immobilization

- [Full Tutorial](#)  
*Genetic Engineering News: Oct 1 2008 6:09PM Matching: immobilization*
- [Knee Immobilization for Pain Control After a Hamstring Tendon Anterior Cruciate Ligament Reconstruction](#)  
*MDLinx: Sep 19 2008 9:44PM Matching: immobilization*
- [Knee Immobilization for Pain Control After a Hamstring Tendon Anterior Cruciate Ligament Reconstruction: A Ran](#)  
*American Journal of Sports Medicine: Sep 19 2008 7:53PM Matching: immobilization*

## Immobilization Clinical Trials:



- [Immobilization in External Rotation of Acute Shoulder Dislocations](#)  
*Anterior Shoulder Dislocation*

## Immobilization Patents:



- 7429492- [Multiwell plates with integrated biosensors and membranes](#)
- 7431722- [Apparatus including a guard member having a passage with a non-circular cross section for providing protected access to the spine](#)
- 7431768- [System for performing crystallization trials](#)
- 7431769- [Method for performing crystallization trials](#)
- 7431832- [Systems for reducing water contamination](#)
- 7431838- [Gas/ion species selective membrane support by multi-stage nano-hole array metal structure](#)
- 7431858- [Nanoimprint resist](#)
- 7431888- [Photoinitiated grafting of porous polymer monoliths and thermoplastic polymers for microfluidic devices](#)
- 7431921- [Interferon beta-like molecules](#)
- 7431924- [Methods of treating inflammation using mammalian CX.sub.3C chemokine antibodies](#)
- 7431932- [Reovirus clearance of ras-mediated neoplastic cells from mixed cellular compositions](#)
- 7431685- [Method and device for investigating substance libraries](#)
- 7431152- [Hydrogel contact lenses and package systems and production methods for same](#)
- 7430829- [Accessory mounting devices for firearms and methods of mounting the same](#)
- 7429561- [Method for stimulating cell growth using sponge protein hydrolysates](#)
- 7429573- [Method for increasing the bone mineral density and bone micro-architecture or connectivity of a mammal using N-acylated glucosamines](#)
- 7429604- [Six-membered heterocycles useful as serine protease inhibitors](#)
- 7429608- [Benzo\[d\]imidazol analogs as vanilloid receptor ligands and their use in treatments](#)
- 7429630- [Redox polymers for use in electrochemical-based sensors](#)
- 7429640- [PRO6181 polypeptides](#)
- 7429641- [PRO9830 polypeptides](#)
- 7429670- [Synthesis of derivatives of ginkgolide C](#)
- 7429736- [System and device for object detection and identification using gamma, X-ray and/or neutron radiation](#)
- 7430035- [Automatic device for turning the pages of a bound document](#)
- 7431968- [Process and apparatus for organic vapor jet deposition](#)
- 7431993- [Recording medium with glossy coating containing alumina](#)
- 7432250- [Oligoribonucleotides and ribonucleases for cleaving RNA](#)
- 7432267- [Fused cyclic modulators of nuclear hormone receptor function](#)
- 7432277- [Phosphorus-containing macrocycles](#)

- 7432284- [Estrogen receptor modulators](#)
- 7432342- [Kinase anchor protein mutants, peptides thereof and related documents](#)
- 7432345- [PRO1475 polypeptide](#)
- 7432365- [DNA molecules encoding beta clamp proteins of gram positive bacteria](#)
- 7432367- [Nucleic acid encoding a retinoblastoma binding protein \(RBP-7\) and polymorphic markers associated with said nucleic acid](#)
- 7432381- [1,3-oxathiolane-2-thione compounds](#)
- 7432713- [Dielectric element, and magnetic resonance imaging method using same](#)
- 7432249- [Oligoribonucleotides and ribonucleases for cleaving RNA](#)
- 7432111- [Non-continuous immunoassay device and immunoassay method using the same](#)
- 7432098- [Phytases and methods for making and using them](#)
- 7432044- [Methods and compositions for modulating hepatocyte growth factor activation](#)
- 7432048- [Reactions on a solid surface](#)
- 7432055- [Dual phase multiplex polymerase chain reaction](#)
- 7432056- [Biallelic markers derived from genomic regions carrying genes involved in arachidonic acid metabolism](#)
- 7432065- [Methods of identifying modulators of interaction between PDZ domain proteins and PL proteins](#)
- 7432068- [Biosensor and method for detecting macromolecular biopolymers using a biosensor](#)
- 7432069- [Biocompatible chemically crosslinked hydrogels for glucose sensing](#)
- 7432084- [Methods for preparing nucleic acid samples](#)
- 7432094- [Glucose dehydrogenase .beta. subunit and DNA encoding the same](#)
- 7432095- [Formate dehydrogenase tolerant to halogen compounds and process for producing the same](#)
- 7433827- [System and method for displaying a health status of hospitalized patients](#)

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