

# Malate Dehydrogenase

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## Recent Publications on Malate Dehydrogenase:

- [Comparative study of the activity and kinetic properties of malate dehydrogenase and pyruvate decarboxylase from \*Candida albicans\*, \*Malassezia pachydermatis\*, and \*Saccharomyces cerevisiae\*. \*Candida albicans\* and \*Malassezia pachydermatis\* cause human and animal...6th September, 2008](#)  
Institute of Biology, University of Bialystok, Swierkowa 20B, 15-950- Can J Microbiol. 2008 Sep;54(9):734-41. ([DOI Direct Link](#))
- [Metabolic responses in iron deficient tomato plants.](#)  
*The effects of Fe deficiency on different metabolic processes were...2nd September, 2008*  
Department of Plant Nutrition, Estacion Experimental de Aula Dei, Consejo- J Plant Physiol. 2008 Aug 27. ([DOI Direct Link](#))
- [Differential protein expression induced by a lipid extract of \*Perna canaliculus\* in splenocytes of rats with adjuvant-induced arthritis.](#)  
*The lipid extract of Perna canaliculus (Lyprinol((R))) has known...2nd September, 2008*  
Department of Applied Biology and Chemical Technology, The Hong Kong- Inflammopharmacology. 2008 Aug;16(4):188-94. ([DOI Direct Link](#))
- [Reduction of Mitochondrial Oxidative Damage and Improved Mitochondrial Efficiency by Administration of Crocetin against Benzo\[a\]pyrene Induced Experimental Animals.](#)  
*The mitochondrial damage in the lung was assessed by examining the levels...2nd September, 2008*  
Department of Medical Biochemistry, Dr. A.L.M.P.G. Institute of Basic- Biol Pharm Bull. 2008 Sep;31(9):1639-45.
- [A Genetic Screen Identifies New Regulators of Steroid-Triggered Programmed Cell Death in \*Drosophila\*.](#)  
*The steroid hormone ecdysone triggers the rapid and massive destruction of...2nd September, 2008*  
University of Utah.- Genetics. 2008 Aug 30. ([DOI Direct Link](#))
- [\[Influence of salts of heavy metals on activity of key enzymes of glyoxylate cycle and content of malondialdehyde products in the seed lobe of germinating soybean seeds\]](#)  
*The influence of CoCl<sub>2</sub> and CdCl<sub>2</sub> on the activity of isocytate lyase,...20th August, 2008*  
- Ukr Biokhim Zh. 2008 Jan-Feb;80(1):83-8.
- [Differential protein expression in \*Colletotrichum acutatum\*: changes associated with reactive oxygen species and nitrogen starvation implicated in pathogenicity on strawberry.](#)  
*The cellular outcome of changes in nitrogen availability in the context of...19th August, 2008*  
Department of Plant Pathology and Microbiology, Faculty of Agricultural,- Mol Plant Pathol. 2008 Mar;9(2):171-90. ([DOI Direct Link](#))
- [Inhibition of Coix seed extract on fatty acid synthase, a novel target for anticancer activity.](#)

*ETHNOPHARMACOLOGICAL RELEVANCE: Coix seed has been traditionally used to...* 12th August, 2008

Department of Pharmaceutical Engineering, School of Chemical Engineering- J Ethnopharmacol. 2008 Jul 23. ([DOI Direct Link](#))

- [Effect of FeSO\(4\) treatment on glucose metabolism in diabetic rats.](#)  
*Iron, the prosthetic group of haemoglobin, was found to lower serum...* 8th August, 2008  
State Key Laboratory of Environmental Geochemistry, Institute of- Biometals. 2008 Aug 7. ([DOI Direct Link](#))
- [Peroxisomal malate dehydrogenase is not essential for photorespiration in Arabidopsis but its absence causes an increase in the stoichiometry of photorespiratory CO<sub>2</sub> release.](#)  
*Peroxisomes are important for recycling carbon and nitrogen that would...* 8th August, 2008  
School of Biological Sciences, Washington State University; Pullman, WA- Plant Physiol. 2008 Aug 6. ([DOI Direct Link](#))
- [Stereochemistry of the carboxylation reaction catalyzed by the ATP-dependent phosphoenolpyruvate carboxykinases from Saccharomyces cerevisiae and Anaerobiospirillum succiniciproducens.](#)  
*The stereochemistry of CO(2) addition to phosphoenolpyruvate (PEP) to...* 5th August, 2008  
Facultad de Quimica y Biologia, Universidad de Santiago de Chile, Av. B.- Biochimie. 2008 Jul 16. ([DOI Direct Link](#))
- [Gain of interaction of ALS-linked G93A superoxide dismutase with cytosolic malate dehydrogenase.](#)  
*Protein interactions of the Amyotrophic Lateral Sclerosis (ALS)-linked...* 26th July, 2008  
Department of Neurobiology, Tel Aviv University, Tel Aviv 69978, Israel.- Neurobiol Dis. 2008 Jul 3. ([DOI Direct Link](#))
- [\[Succinic acid infusions for correction of renal ischemia in patients with acute purulent pyelonephritis\]](#)  
*The activity of lactate dehydrogenase (LDG), malate dehydrogenase (MDG),...* 25th July, 2008  
- Urologia. 2007 Nov-Dec;(6):31-6.
- [A novel strategy involved anti-oxidative defense: the conversion of NADH into NADPH by a metabolic network.](#)  
*The reduced nicotinamide adenine dinucleotide phosphate (NADPH) is pivotal...* 17th July, 2008  
Department of Chemistry and Biochemistry, Laurentian University, Sudbury,- PLoS ONE. 2008 Jul 16;3(7):e2682. ([DOI Direct Link](#))
- [Insights into small heat shock protein and substrate structure during chaperone action derived from hydrogen/deuterium exchange and mass spectrometry.](#)  
*Small heat shock proteins (sHSPs) and the related  $\alpha$ -crystallins are...* 16th July, 2008  
Department of Biochemistry & Molecular Biophysics, University of Arizona,- J Biol Chem. 2008 Jul 11. ([DOI Direct Link](#))

## Malate Dehydrogenase Patents:



- 7371558- [Process for the biological production of 1,3-propanediol with high yield](#)
- 7384639- [Methods of treating or preventing an infectious disease using an immunogenic conjugate of a gram-negative bacterial autoinducer molecule](#)
- 7384751- [Methods of diagnosing muscle damage](#)
- 7384910- [Small peptides for the treatment of Alzheimer's disease and other beta-amyloid protein fibrillogenesis disorders](#)

- 7385026- [Modified ghrelin polypeptides](#)
- 7387777- [Methods of treating hemophilia or von willebrand disease with p-selectin](#)
- 7390625- [Apoptosis-associated protein and use thereof](#)
- 7390670- [Signalling compounds and methods for detecting hydrogen peroxide](#)
- 7390880- [Soluble interleukin-1 receptor accessory molecule](#)
- 7393675- [Corynebacterium glutamicum genes encoding proteins involved in carbon metabolism and energy production](#)
- 7393699- [NANO-electronics](#)
- 7384638- [Compounds and methods for treatment and diagnosis of Chlamydial infection](#)
- 7384632- [Agonist anti-trk-C monoclonal antibodies](#)
- 7375417- [NANO IC packaging](#)
- 7371560- [Photosynthetic hydrogen production](#)
- 7371826- [Polypeptide variants with altered effector function](#)
- 7374761- [Recombinant A2-specific TNF.alpha.-specific antibodies](#)
- 7374764- [CD33-like protein](#)
- 7374909- [Modulators of intracellular inflammation, cell death and cell survival pathways](#)
- 7374910- [DNA encoding galanin receptor activating peptide](#)
- 7374932- [Human kinases and polynucleotides encoding the same, and uses thereof](#)
- 7375074- [Body weight gain inhibitor](#)
- 7375193- [Anti-VEGF antibodies](#)
- 7375194- [Antibodies that bind to an epitope on the Huntington's disease protein](#)
- 7394472- [Combinatorial evaluation of systems including decomposition of a system representation into fundamental cycles](#)
- 7396533- [Polypeptides and nucleic acids encoding same](#)
- 7410776- [Polypeptides, their production and use](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7413537- [Directed evolution of disulfide-bonded micro-proteins](#)
- 7415358- [Molecular toxicology modeling](#)
- 7416727- [Polypeptide variants with altered effector function](#)
- 7416729- [Methods of treating rheumatoid arthritis with anti-TNF antibodies](#)
- 7419600- [Method for purifying a branched water-soluble polymer](#)
- 7419804- [CASH \(Caspase Homologue\) with death effector domain, modulators of the function of FAS](#)
- 7419806- [Immunogenic Mycoplasma hyopneumoniae polypeptides](#)
- 7419814- [Mammalian sphingosine kinase type 2 isoforms, cloning, expression and methods of use thereof](#)
- 7410766- [Corynebacterium glutamicum genes encoding phosphoenolpyruvate: sugar phosphotransferase system proteins](#)
- 7410709- [Bio-battery](#)
- 7410641- [Antibodies to insulin/IGF/relaxin family polypeptides](#)
- 7396810- [Compositions and methods for treating cancer by modulating HER-2 and EGF receptors](#)
- 7399638- [Prediction method for lipidosis](#)
- 7402401- [Methods of and kits and compositions for diagnosing colorectal tumors and metastasis thereof](#)
- 7402419- [Phosphite dehydrogenase mutants for nicotinamide cofactor regeneration](#)
- 7402728- [Transgenic mice expressing human CD20 and/or CD16](#)
- 7404951- [Method and composition for protecting neuronal tissue from damage induced by elevated glutamate levels](#)
- 7404955- [Methods of inhibiting or neutralizing TNF.alpha. in patients with tissue injury](#)
- 7407771- [Cash \(caspase homologue\) with death effector domain, modulators of the function of FAS receptors](#)
- 7407787- [Lactobacillus acidophilus nucleic acids encoding fructo-oligosaccharide utilization compounds and uses thereof](#)
- 7408052- [Nucleic acid molecules and other molecules associated with the carbon assimilation pathway](#)

- 7419956- [Isolated physiologically active peptide and use thereof](#)

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