

Fermentation

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Fermentation may mean: * Fermentation, the process of energy production in a cell under anaerobic conditions * Fermentation, the conversion of carbohydrates into alcohols or acids under anaerobic conditions used for making certain foods * Fermentation, the process of fermentation commonly used in winemaking. * Fermentation, the process of fermentation commonly used in brewing. * Fermentation, the name used in the tea industry for the aerobic treatment of tea leaves to break down and release certain unwanted chemicals * Ethanol fermentation, a form of anaerobic respiration used primarily by yeasts when oxygen is not present in sufficient quantity for normal cellular respiration * Industrial fermentation, the breakdown and re-assembly of biochemicals for industry, often in aerobic growth conditions Ferment may refer to: * Ferment, by Catherine Wheelde: Zymologieeo: Zimologiofr: Zymologies!: Fermentacija Ferrochelatase Ferrochelatase is an enzyme involved in the eighth step of porphyrin metabolism, converting protoporphyrin IX into heme. It catalyses reaction: protoporphyrin + Fe = protoheme + 2 H. A ferrochelatase enzyme consists of 497 amino acid residues with a m.w. of 55.4 kDa. and some in the mitochondrion ([From the Wikipedia article Fermentation.](#))

Recent Publications on Fermentation:



- [Aerobic batch cultivation in micro bioreactor with integrated electrochemical sensor array.](#)
Aerobic batch cultivations of Candida utilis were carried out in two micro... 20th November, 2009
Dept. of Biotechnology, Delft University of Technology and Kluyver Centre- Biotechnol Prog. 2009 Nov 18. ([DOI Direct Link](#))
- [Diversity of Acetobacter pasteurianus Strains Isolated From Solid-State Fermentation of Cereal Vinegars.](#)
Vinegar production is based on the acetification process by indigenous... 20th November, 2009
College of Food Science and Technology, Huazhong Agricultural University,- Curr Microbiol. 2009 Nov 19. ([DOI Direct Link](#))
- [Net flux of nutrients across the rumen wall of lactating dairy cows as influenced by dietary supplements of folic acid.](#)
The objective of the present study was to determine whether a dietary... 20th November, 2009
Agriculture et Agroalimentaire Canada, Centre de recherche et- J Dairy Sci. 2009 Dec;92(12):6116-6122. ([DOI Direct Link](#))
- [Feeding barley grain steeped in lactic acid modulates rumen fermentation patterns and increases milk fat content in dairy cows.](#)
The objectives of the present in vivo and in situ trials were to evaluate... 20th November, 2009
Department of Agricultural, Food and Nutritional Science, University of- J Dairy Sci. 2009 Dec;92(12):6023-6032. ([DOI Direct Link](#))
- [A high-throughput cheese manufacturing model for effective cheese starter culture screening.](#)
Cheese making is a process in which enzymatic coagulation of milk is... 20th November, 2009

- NIZO Food Research, PO Box 20, 6710 BA Ede, the Netherlands.- J Dairy Sci. 2009 Dec;92(12):5868-5882. ([DOI Direct Link](#))
- [Global Gene Expression Responses to Waterlogging in Roots and Leaves of Cotton \(*Gossypium hirsutum* L.\)](#).
*Waterlogging stress causes yield reduction in cotton (*Gossypium hirsutum*...*20th November, 2009
CSIRO Plant Industry, GPO Box 1600, Canberra ACT 2601, Australia.- Plant Cell Physiol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Efficient Polyhydroxyalkanoates Production from a Waste-Activated Sludge Alkaline Fermentation Liquid by Activated Sludge Submitted to the Aerobic Feeding and Discharge Process](#).
*It was reported in our previous publication that the accumulation of...*20th November, 2009
State Key Laboratory of Pollution Control and Resources Reuse, School of- Environ Sci Technol. 2009 Oct 15;43(20):7734-7741. ([DOI Direct Link](#))
 - [Bioflocculant Exopolysaccharide Production by *Azotobacter indicus* Using Flower Extract of *Madhuca latifolia* L.](#)
*Efficacy of *Azotobacter indicus* ATCC 9540 strain for production...*19th November, 2009
School of Life Sciences, North Maharashtra University, Post Box 80,- Appl Biochem Biotechnol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Microbial Fed-batch Production of 1,3-Propanediol Using Raw Glycerol with Suspended and Immobilized *Klebsiella pneumoniae*](#).
*The production of 1,3-propanediol (1,3-PD) was investigated with...*19th November, 2009
Center for Environmental Technology Research, Korea Institute of Science- Appl Biochem Biotechnol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Maintaining high anaerobic succinic acid productivity by product removal](#).
*During dual-phase fermentations using *Escherichia coli* engineered for...*19th November, 2009
Division of Chemical Engineering, Lulea University of Technology, 971 87,- Bioprocess Biosyst Eng. 2009 Nov 17. ([DOI Direct Link](#))
 - [A downstream process for production of a viable and stable *Bacillus cereus* aquaculture biological agent](#).
*Biological products offer advantages over chemotherapeutics in...*19th November, 2009
CSIR Biosciences, Private Bag X2, Modderfontein, 1645, South Africa,- Appl Microbiol Biotechnol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Very early acetaldehyde production by industrial *Saccharomyces cerevisiae* strains: a new intrinsic character](#).
*During a general survey of the acetaldehyde-producing properties of...*19th November, 2009
UMR 1083 "Sciences pour l'oenologie", INRA, 2 place Viala, 34060,- Appl Microbiol Biotechnol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Microbial production of conjugated gamma-linolenic acid from gamma-linolenic acid by *Lactobacillus plantarum* AKU 1009a](#).
*Aims: Optimal production conditions of conjugated gamma-linolenic acid...*19th November, 2009
Division of Applied Life Sciences, Laboratory of Fermentation Physiology- J Appl Microbiol. 2009 Oct 30. ([DOI Direct Link](#))
 - [Reduction of fumarate, mesaconate and crotonate by Mfr, a novel oxygen-regulated periplasmic reductase in *Campylobacter jejuni*](#).
*Summary Methylmenaquinol : fumarate reductase (Mfr) is a newly recognized...*19th November, 2009
Department of Molecular Biology and Biotechnology, The University of- Environ Microbiol. 2009 Nov 17. ([DOI Direct Link](#))
 - [CYP21-catalyzed production of the long term urinary metandienone metabolite 17beta-hydroxymethyl-17alpha-methyl-18-norandrosta-1,4,13-trien-3-one: a contribution to the fight against doping](#).
*Abstract Anabolic-androgenic steroids are some of the most frequently...*19th November, 2009
PomBioTech GmbH, D-66125 Saarbrücken, Germany.- Biol Chem. 2009 Nov 17. ([DOI Direct Link](#))

BioNews Results for Fermentation

- [Adding one single gene to yeast dramatically improves bioethanol production from agricultural waste](#)
Science Daily: Nov 20 2009 4:06PM Matching: fermentation
- [Delft breakthrough in bioethanol production from agricultural waste](#)
Genetic Engineering News: Nov 20 2009 3:11PM Matching: fermentation
- [Delft breakthrough in bioethanol production from agricultural waste](#)
Research & Development: Nov 20 2009 2:50PM Matching: fermentation
- [Rapid Process Development for High Yield Plasmid DNA Fed-batch Fermentation](#)
MDLinx: Nov 11 2009 10:56AM Matching: fermentation
- [Dyadic Netherlands Joins Kluuyver Centres Industrial Platform](#)
Genetic Engineering News: Nov 10 2009 3:59PM Matching: fermentation
- [Transfer of Fermentation and Biotechnology Labs](#)
Astellas: Nov 5 2009 4:26PM Matching: fermentation
- [Astellas relocates its research lab](#)
Bio Spectrum Asia: Nov 5 2009 10:43AM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Deh](#)
PR-USA.net: Oct 30 2009 1:37PM Matching: fermentation
- [High tech gas sensors for premium cars turned into diagnostic device for human diseases](#)
MTB Europe: Oct 29 2009 1:17PM Matching: fermentation
- [EnWave Corp inks pact with SRC to install freezeREV technology to test animal vaccine](#)
PharmaBiz: Oct 29 2009 10:33AM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Dehydration Technology](#)
Individual.com: Oct 27 2009 10:21PM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Dehydration Technology](#)
Individual.com: Oct 27 2009 10:21PM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Dehydration T](#)
Canadian Business Magazine: Oct 27 2009 2:05PM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Dehydration T](#)
Yahoo! Canada: Oct 27 2009 1:46PM Matching: fermentation
- [EnWave to Test Animal Vaccines with Saskatchewan Research Council Using freezeREV Pharmaceutical Dehydration T](#)
Market Wire: Oct 27 2009 1:42PM Matching: fermentation

Fermentation Patents:



- 7612258- [Nucleic acid molecules associated with plant cell proliferation and growth and uses thereof](#)
- 7615610- [Modified trafficking patterns for arrestin and G-protein-coupled receptors via arrestin-ubiquitin chimera](#)

- 7615679- [Method of producing polyunsaturated fatty acids, novel biosynthesis genes, and novel plant expression constructs](#)
- 7617617- [Process and apparatus for manufacture of fertilizer products from manure and sewage](#)
- 7618311- [Method and device for adjusting the length of cut of a chopping device of an agricultural harvesting machine](#)
- 7618369- [Method and system for dynamically updating calibration parameters for an analyte sensor](#)
- 7618448- [Polymeric, degradable drug-eluting stents and coatings](#)
- 7618451- [Patient selectable joint arthroplasty devices and surgical tools facilitating increased accuracy, speed and simplicity in performing total and partial joint arthroplasty](#)
- 7618485- [Biodegradable compositions, articles prepared from biodegradable compositions and manufacturing methods](#)
- 7618606- [Separation of carbon dioxide \(CO.sub.2\) from gas mixtures](#)
- 7618640- [Method and composition for reducing E. coli disease and enhancing performance](#)
- 7615546- [Topical delivery system for phytosterols](#)
- 7615529- [Methods and compositions for modulating hyperstabilized c-met](#)
- 7615379- [Nucleic acid and corresponding protein entitled 193P1E1B useful in treatment and detection of cancer](#)
- 7612735- [Multi-function field-deployable resource harnessing apparatus and methods of manufacture](#)
- 7613491- [Silicone based membranes for use in implantable glucose sensors](#)
- 7615138- [Electrolysis apparatus with pulsed, dual voltage, multi-composition electrode assembly](#)
- 7615154- [Loop reactor with clog-resistant gas distribution](#)
- 7615207- [Methods for treating irritable bowel syndrome](#)
- 7615225- [Methods for treating a subject having cancer by the administration of a conjugate between a variant staphylococcal enterotoxin E superantigen and an antibody that binds to the 5T4 antigen](#)
- 7615228- [Polypeptide fragments of hepatitis E virus, the vaccine comprising said fragments and the diagnostic kits](#)
- 7615293- [Fuel cell electrode with redox catalyst](#)
- 7615365- [.alpha.\(1,6\)-linked glucose oligosaccharide hydrolyzing enzyme polynucleotides and polypeptides and methods of use thereof](#)
- 7615367- [Streptococcus thermophilus strains producing stable high-molecular-mass exopolysaccharides](#)
- 7618660- [Bioadhesive from distillers' dried grains with solubles \(DDGS\) and the methods of making those](#)
- 7618664- [Method for preparing calcium gluconate](#)
- 7619008- [Xylitol for treatment of vaginal infections](#)
- 7619062- [PRO214 polypeptides](#)
- 7619064- [Bacillus thuringiensis gene with coleopteran activity](#)
- 7619066- [IL-1ra variants](#)
- 7619073- [Method for purifying erythropoietin](#)
- 7619079- [Db, the receptor for leptin, nucleic acids encoding the receptor, and uses thereof](#)
- 7619100- [Physiologically active substances](#)
- 7619102- [Purification of mupirocin](#)
- 7620438- [Method and system for powering an electronic device](#)
- 7620500- [Optimization of crossover points for directed evolution](#)
- 7618942- [Method of using broad-spectrum delta-endotoxins](#)
- 7618931- [Natural heavy duty cleaners](#)
- 7618804- [Method for producing L-amino acid using bacteria belonging to the genus Escherichia](#)
- 7618665- [Process for preparing Ukon for food](#)
- 7618666- [Edible candy confection with improved shelf-life and method of making thereof](#)
- 7618673- [Decontamination of animal feed containing prion \(eg BSE agent\)](#)
- 7618777- [Composition and method for array hybridization](#)
- 7618786- [Method for identifying modulators of human orexin-2 receptor](#)
- 7618795- [Starch process](#)

- 7618798- [Alginate gel scaffold having a plurality of continuous parallel microtubular copper capillaries](#)
- 7618799- [Bacterial leader sequences for increased expression](#)
- 7618801- [Streptomyces protease](#)
- 7618803- [Method for producing L-amino acid using bacteria belonging to the genus Escherichia](#)
- 7620502- [Methods for identifying sets of oligonucleotides for use in an in vitro recombination procedure](#)

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