JOURNAL OF PROTEOMICS
An official journal of the European Proteomics Association (EuPA)

TABLE OF CONTENTS

- Description p.1
- Audience p.1
- Impact Factor p.1
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.5

DESCRIPTION

Journal of Proteomics is aimed at protein scientists and analytical chemists in the field of proteomics, biomarker discovery, protein analytics, plant proteomics, microbial and animal proteomics, human studies, tissue imaging by mass spectrometry, non-conventional and non-model organism proteomics, and protein bioinformatics. The journal welcomes papers in new and upcoming areas such as metabolomics, genomics, systems biology, toxicogenomics, pharmacoproteomics.

Journal of Proteomics unifies both fundamental scientists and clinicians, and includes translational research. Suggestions for reviews, webinars and thematic issues are welcome. All manuscripts are strictly peer reviewed and conform the highest ethical standards. Journal of Proteomics is an official journal of the European Proteomics Association (EuPA) and also publishes official EuPA reports and participates in the International Proteomics Tutorial Programme with HUPO and other partners.

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Journal of Proteomics is an official journal of the European Proteomics Association (EuPA) and is aimed at both European and international protein scientists and analytical chemists in the field of proteomics, biomarker discovery, protein analytics, plant proteomics, microbial and animal proteomics, human studies, tissue imaging by mass spectrometry, non-conventional and non-model organism proteomics, and protein bioinformatics. The journal welcomes papers in new and upcoming areas such as metabolomics, genomics, systems biology, toxicogenomics, pharmacoproteomics. Journal of Proteomics unifies both fundamental scientists and clinicians, and includes translational research. Suggestions for reviews, webinars and thematic issues are welcome. All manuscripts are strictly peer reviewed and conform the highest ethical standards. Journal of Proteomics also publishes official EuPA reports and participates in the International Proteomics Tutorial Programme with HUPO and other partners.

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3) This initial independent validation and performance assessment has to be performed in samples that reflect the typical clinical situation depending on the targeted context of use.
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**Appendix**
Standard abbreviations allowed to be used without explanation or definition in all articles published in the *Journal of Proteomics*.

**A** absorbance  
**ACES** 2-[(2-amino-2-oxoethyl)amino] ethanesulphonic acid  
**ACN** acetonitrile  
**A/D** analog to digital converter  
**AEBSF** 4-(2-aminoethyl)benzenesulphonyl fluoride  
**amu** atomic mass unit  
**ANOVA** analysis of variance  
**API** atmospheric pressure ionization  
**AUC** area under curve  
**Bis N,N'-methylenebisacrylamide**  
**bp** base pairs  
**BSA** bovine serum albumin  
**%C** cross-linking agent (g/100 mL)/%T  
**CAPS** 3-(cyclohexylamino)-1-propanesulphonic acid  
**CBB** Coomassie Brilliant Blue  
**CCD** charge-coupled device  
**CD** circular dicroism  
**CE** capillary electrophoresis  
**CEC** capillary electrochromatography  
**CFE** continuous flow electrophoresis  
**CHAPS** 3-[(3-cholamidopropyl)dimethylamonio]-1-propanesulphonate  
**CHCA** α-cyano-4-hydroxycinnamic acid  
**CHES** 2-(N-cyclohexylamino)ethanesulphonic acid  
**CID** collision-induced dissociation  
**CIEF** capillary isoelectric focusing  
**CMC** critical micelle concentration  
**Con A** Concanavalin A  
**CNS** central nervous system  
**cpm** counts *per* minute  
**CTAB** ethyltrimethylammonium bromide  
**CV** coefficient of variation  
**CZE** capillary zone electrophoresis  
**Da** dalton (molecular mass)  
**2-DE** two-dimensional electrophoresis  
**DIGE** fluorescence difference gel electrophoresis  
**DGGE** denaturing gradient gel electrophoresis  
**DMEM** Dulbecco's modified Eagle medium  
**DMF** N,N-dimethylformamide  
**DMSO** dimethyl sulphoxide  
**DOC** sodium deoxycholate  
**dsDNA** double-stranded DNA  
**DTE** dithioerithiol  
**DTT** dithiothreitol
MTT 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide

m/z mass-to-charge ratio

NC nitrocellulose NEPHGE nonequilibrium pH gradient electrophoresis

NMR nuclear magnetic resonance

NP-40 Nonidet P-40

od outside diameter

OD optical density

OFAGE orthogonal field alternation gel electrophoresis

ORF open reading frame

PAGE polyacrylamide gel electrophoresis

PBS phosphate-buffered saline

PCR polymerase chain reaction

PDMS polydimethylsiloxane

PED pulsed electrochemical detection PEG polyethylene glycol

PFGE pulsed-field gel electrophoresis

PFU plaque-forming units

pI isoelectric point

PMF peptide mass fingerprinting

PMS phenazine methosulphate

PMSF phenylmethylsulphonyl fluoride

PMT photomultiplier tube

PSD post-source decay

PTFE polytetrafluoroethylene

PTH phenylthiohydantoin

PTM post-translational modification

PVA polyvinyl alcohol

PVDF polyvinylidene difluoride

PVP polyvinylpyrrolidone

Q-TOF quadrupole time-of-flight

RACE rapid amplification of cDNA ends

RFLP restriction fragment length polymorphism

RIA radioimmunoassay

ROS reactive oxygen species

RP reversed phase

rpm revolutions per minute

RSD relative standard deviation

RT-PCR reverse transcriptase-PCR

SAGE serial analysis of gene expression

SD standard deviation

SDS sodium dodecyl sulphate

SEC size-exclusion chromatography

SELDI surface-enhanced laser desorption/ionization

SEM standard error of the mean

SIM selected ion monitoring

S/N signal-to-noise ratio

SPE solid-phase extraction

SPR surface plasmon resonants

SSCP single-strand conformation polymorphism

ssDNA single-stranded DNA

SSP sample spot number

STR short tandem repeat

%T total gel concentration (acrylamide plus cross-linking agent; g/100 mL)

TBS Tris-buffered saline

TCA trichloroacetic acid

TEMED N,N,N',N'-tetramethylethlenediamine

TFA trifluoroacetic acid

THF tetrahydrofuran

TIC total ion current

TLC thin-layer chromatography

TNF tumour necrosis factor
TOF time of flight
Tris tris(hydroxymethyl)aminomethane
TRITC tetramethylrhodamine isothiocyanate
URL uniform resource locator
UTR untranslated region
UV ultraviolet
Vh volt × hours
z ion charge

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