General index

Figures index

Table Index

Glossary of abbreviations

ACN	Acetonitrile
AGS	Human gastric epithelial cells
amu	Atomic mass unit
APCI	Atmospheric pressure chemical ionization
APPI	Atmospheric pressure photoionization
BCFA	Branched-chain fatty acids
CH	Caffeoyl hexoside
3-CQA	3-caffeoylquinic acid
5-CQA	5-caffeoylquinic acid
CE	Catechin equivalents
3-CoQA	3-coumaroylquinic acid
CD	Crohn's disease
COX	Cyclooxygenase
CUPRAC	Cupric reducing antioxidant capacity
DAD	Diode array detector
DPPH	2,2-diphenyl-1-picrylhydrazyl
ESI	Electrospray ionization
FAO	Food and Agriculture Organization of the United Nations
FBS	Fetal bovine serum
FOS	Fructooligosaccharides
FQA	Feruloylquinic acid
FRAP	Ferric reducing antioxidant capacity
GAE	Gallic acid equivalents
GD-PEE	Gastric digested polyphenol-enriched extract
GID	Gastrointestinal digestion
g	Gram
GSH	Reduced glutathione
HAT	Hydrogen atom transfer
HCA	Hydroxycinnamic acids
h	hours
HPLC	High performance liquid chromatography
IBD	Inflammatory bowel diseases
ID-PEE	Intestinal digested polyphenol-enriched extract
IL	Interleukin
iNOS	Inducible nitric oxide synthase
L	Liter
LC	Liquid chromatography
M	Molar
MeOH	Methanol
µg	Microgram
mg	Milligram
min	Minute
µL	Microliter
mL	Milliliter
mM	Milimolar
MS	Mass spectrometry
m/z	Mass/charge
ng	Nanogram
nm	Nanometer
NO	Nitric oxide
NSAIDs	Non-steroidal anti-inflammatory drugs
ORAC	Oxygen radical absorbance capacity
PEE	Polyphenolic-enriched extract
PG	Prostaglandins
Rt	Retention time
rpm	Revolutions per minute
SC_{50}	Scavenging capacity 50 %
SCFA	Short-chain fatty acids
SEM	Standard error of the mean
SET	Single electron transfer
SD	Standard deviation
SPE	Solid phase extraction
TEAC	Trolox equivalent antioxidant capacity
TE	Trolox equivalents
TF	Total flavonoid content
TNF-α	Tumor necrosis factor alpha
TP	Total phenolic content
UC	Ulcerative colitis
UV	Ultraviolet
WHO	World health organization
µM	Micromolar