



# OPIUM CONSUMPTION

VOLUME 126

This publication represents the views and expert opinions of an IARC Working Group on the Identification of Carcinogenic Hazards to Humans, which met remotely, 11–20 September 2020

LYON, FRANCE - 2021

IARC MONOGRAPHS  
ON THE IDENTIFICATION  
OF CARCINOGENIC HAZARDS  
TO HUMANS

# LIST OF ABBREVIATIONS

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AgNOR	argyrophillic nucleolar organizer region
AIDS	acquired immunodeficiency syndrome
BCE	before the Common Era
BM	Brown Mixture
BPH	benign prostatic hyperplasia
CE	Common Era
CI	confidence interval
CpG	cytosine-phosphate-guanine
CRP	C-reactive protein
DNA	deoxyribonucleic acid
DSM-IV	Diagnostic and Statistical Manual of Mental Disorders, 4th Edition
DSM-IV-TR	Diagnostic and Statistical Manual of Mental Disorders, 4th Edition, Text Revision
FFQ	food frequency questionnaire
GC-MS	gas chromatography-mass spectrometry
GCS	Golestan Cohort Study
GCSQ	Golestan Cohort Study Questionnaire
GI	gastrointestinal
HIV	human immunodeficiency virus
HPLC	high-performance liquid chromatography
HR	hazard ratio
IFN $\gamma$	interferon gamma
IL	interleukin
IROPICAN	Iranian Study of Opium and Cancer
MDA	malondialdehyde
M3G	morphine-3-glucuronide
M6G	morphine-6-glucuronide
mRNA	messenger RNA
NO	nitric oxide
OR	odds ratio
RNA	ribonucleic acid
SCC	squamous cell carcinoma
SOD	superoxide dismutase
TAC	total antioxidant capacity
TGF $\beta$	transforming growth factor beta

TNF $\alpha$	tumour necrosis factor alpha
UGT	UDP-glucuronosyltransferase