

ABBREVIATIONS, NOTATIONS & NOMENCLATURES

AES	Auger electron microscopy
AFM	Atomic Force Microscopy
BET	Nitrogen adsorption/desorption isotherm
BMS	Borosil Mansingh Survismeter
BSA	Bovine Serum Albumin
BSI	British Standards Institutions
CA	Chromosomal aberrations
CB	Cytochalasin B
CF	Cohesive Force
CFS	Centre For Food Safety
CLP	Classification, Labeling and Packaging
CPI	Consumer Products Inventory
CPSC	Consumer Product Safety Association
CSIR	Council Of Scientific and Industrial Research
DAE	Department of Atomic Energy
DBT	Department of Biotechnology
DLS	Dynamic Light Scattering
DRDO	Defense Research and Development Organization
DSB	Double stranded breaks
DST	Department of Science and Technology
EC	European Commission
ECHA	European Chemical Agency
ED	Electron diffraction
EELS	Electron energy loss spectroscopy
EFSA	European Food Safety authority
EHS	Environmental Health and Safety Data
EMEA	European Medical Agency
ENM	Engineered Nanomaterial
ENP	Engineered Nanoparticles
EPA	Environmental Protection Agency

EtBr	Ethidium Bromide
EU	European Union
FBS	Fetal Bovine Serum
FDA	Food and Drug Administration
FF	Frictional Force
FFDCA	Federal Food and Drug Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FOE	Friends Of Earth
FWHM	Full Width Half Maxima
GRAS	Generally recognized as safe
IARC	International Agency for Research on Cancer
IATP	Institute for Agriculture and Trade Policy
ICDD	International Centre for Diffraction data
ICH	International Conference on Harmonization of Technical Requirements for Registration of Pharmaceutical for Human Use
ICMR	Indian Council of Medical Research
ICP-AES	Inductively coupled plasma atomic emission spectroscopy
ICP-MS	Inductively coupled plasma mass spectrometry
ICTA	International Centre for Technology assessment
IMF	Intermolecular forces
ISO	International Standards Organization
IWGN	Inter agency Working group on Nano science, Engineering and Technology
JCPDS	Joint Committee for Powder Diffraction Standards
JRC	Joint Research Centre
LEIT	Leadership in Enabling and Industrial Technologies
LMPA	Low Melting Point Agarose
NAA	Neuron Activation Analysis
NIOSH	National Institute for Occupational Safety and Health
NM	Nanomaterial
NMR	Nuclear Magnetic Resonance
NNI	National Nanotechnology Institute

NP	Nanoparticle
NPs	Nanoparticles
NSTC	National Science and Technical Council
NTA	Nanoparticle Tracking analysis
OECD	Organization for Economic Cooperation and Development
OSHA	Occupational Safety and Health Act
OTM	Olive Tail Moment
PDF	Power diffraction files
PDN	Pendent Drop number
PEN	Project on Emerging Nanotechnologies
PHA	Phytohaemagglutinin
R&D	Research and Development
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
REL	Recommended Exposure Limit
SCCS	Scientific Committee on Consumer Safety
SCENIHR	Scientific Committee on Emerging and Newly identified Risks
SCGE	Single cell gel electrophoresis
SCHER	Scientific Committee on Health and Environmental Risks
SCOEL	Scientific Committee for Occupational Exposure Limits
SSB	Single stranded breaks
TEM	Transmission Electron Microscopy
TiO ₂	Titanium dioxide
TSAD	Trusted Sustainable Analytical Device
TSCA	Toxic substances Control Act
UV-Vis	UV Visible spectroscopy
VFT	Viscosity Flow Time
WHO	World Health Organization
WPMN	Working Party on Manufactured nanomaterials
XPS	X-Ray photoelectron spectroscopy
XRD	X-ray diffraction
ZnO	Zinc oxide