

Abbreviations

- = Minus sign	EGS = Extention of the growing season
% = Percentage	ENSO = El Niño–Southern Oscillation
+ = Plus sign	<i>et al.</i> = And others
< = Less than sign	etc. = Et cetra
= = Equal to sign	ETC-ACC = European Topic Centre on Air and Climate Change
> = Greater than sign	F gases = Fluoro gases
± = Plus minus sign	FACE = Free Air Carbon Experiment
°C = Degree Celsius	FCCC = Framework Convention on Climate Change
°F = Degree Fahrenheit	Fig. = Figure
a.s.l. = Above sea level	g = gram
AD = Anno Domini	g C/y = gram carbon per year
BGS = Beginning of the growing season	GHE = Greenhouse Effect
C = Carbon	GHGs = Greenhouse Gases
CFCs = Chlorofluorocarbons	gm of C = gram of Carbon
CH₄ = Methane	gm/cm³ = gram per centimeter cube
cms = Centimeter	Gt = Giga ton
CO₂ = Carbon dioxide	GtC = Giga ton Carbon
CO ₂ -equivalents/ha/year = Carbon dioxide equivalent per hectare per year	ha = Hectare
decade⁻¹ = Per decade	i.e. = That is
E = East	IIT = Indian Institute of Technology
EAWM = East Asian Winter Monsoon	IITM = Indian Institute of Tropical Meteorology
EC = Electrical conductivity	IMD = Indian Meteorological Department
EEA = European Environment Agency	
eg. = example	

Climate Change Impacts: Vegetation And Plant Responses In Gujarat

IPCC = Intergovernmental Panel on Climate Change

kg/hect = kilogram per hectare

kg/m² = kilogram per square meter

km = kilometer

km² = kilometer square

LGS = Length of the growing season

m = meter

Mha = Million Hectare

mm = millimeter

mS/cm = millisiemens/centimeter

Mt = Million ton

N = Nitrogen

N = North

N₂O = Nitrous oxide

NAO = North Atlantic oscillation

NAO-index = North Atlantic

Oscillation Index

NDVI = Normalized difference vegetation index

NO₂ = Nitrogen dioxide

NPP = Net Primary Productivity

O₃ = Ozone

OC = Organic carbon

OM = Organic matter

PDSI = Palmer Drought Severity Index

Pg CO₂-eq = Pentagram CO₂-equivalent

PgC = Pentagram Carbon (pentagram = 10¹⁵ gm of C)

pH = power of hydrogen ion

ppm = Parts per million

R² = Coefficient of correlation

SAT = Semi-Arid Tropics

SD = Standard Deviation

SIC = Soil Inorganic Carbon

SO₂ = Sulphur dioxide

SOC = Soil Organic Carbon

Soil OM = Soil organic matter

sq. km. = kilometer square

t = ton

t C/ha = ton carbon per hectare

t C/ha/y = ton carbon per hectare per year

Tg C = Tera gram (10¹² g) carbon

UHE = Urban Heat Island Effect

UK = United Kingdom

UN = United Nation

UNCED = UN Conference on Environment and Development

UNFCCC = UN Framework Convention on Climate Change

viz. = that is to say, as follows

yr = year