ABBREVIATIONS

ACF Auto Correlation Function
ADL Autoregressive Distributed Lag
AIC Akaike Information Criterion
AIIMS All India Institute of Medical Sciences
ARIMA Auto Regressive Integrated Moving Average
ASHWINI Association for Health Welfare in Nilgiri district
ATP Adenosine Triphosphate
BPG Bisphosphoglycerate
C Celsius/Centigrade
CI Confidence Interval
CTRD Centre for Tribal and Rural Development
DEM Digital Elevation Model
DIP Digital Image Processing
DPG Diphosphoglycerate
E East
FCC False Colour Composite
GIS Geographical Information System
GLM Generalised Linear Model
GOI Government of India
GPS Global Positioning System
HADP Hill Area Development Project
Hb Haemoglobin
HIV Human Immuno Deficiency Virus
HTC Hill Tribe Cremating
HTF Hill Tribe Foragers
HTK Hill Tribe Kannada
ICAM-1 Intercellular Adhesion Molecule 1
ICMR Indian Council of Medical Research
IFN Inetrferon
IL Interleukin
IRS Indian Remote Sensing Satellites
Lat Latitude
LISS Linear Imaging Self-Scanning
Long Longitude
LTBT Long-Term Blood Transfusion
ACS Acute Chest Syndrome
LULC Land Use Land Cover
MA Moving Average
MSL Mean Sea Level
NAWA Nilgiris Adivasi Welfare Association
NDVI Normalized Difference Vegetation Index
NGO Non-Governmental Organisation
O₂• Superoxide Anion
PACF Partial Auto Correlation Function
PADLM Poisson Autoregressive Distributed Lag model
PHC Primary Health Centre
PTG Primitive Tribal Group
PVG Primitive Vulnerable Group
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>RBC</td>
<td>Red Blood Cell</td>
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<tr>
<td>ROS</td>
<td>Reactive Oxygen Species</td>
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<tr>
<td>SC</td>
<td>Schedule Caste</td>
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<tr>
<td>SCD</td>
<td>Sickle Cell Disease</td>
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<tr>
<td>SCT</td>
<td>Stem Cell Transplantation</td>
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<tr>
<td>SOI</td>
<td>Survey of India</td>
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<tr>
<td>SRTM</td>
<td>Shuttle Radar Telemetry Mission</td>
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<tr>
<td>ST</td>
<td>Schedule Tribe</td>
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<tr>
<td>TIN</td>
<td>Triangular Irregular Network</td>
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<tr>
<td>TNF</td>
<td>Tumor Necrosis Factor</td>
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<tr>
<td>TNHSP</td>
<td>Tamil Nadu Health System Project</td>
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<tr>
<td>TRC</td>
<td>Tribal Research Center</td>
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<td>TVP</td>
<td>Tribal Village Panchayat</td>
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<td>VCAM-1</td>
<td>vascular Adhesion Molecule 1</td>
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<tr>
<td>WHO</td>
<td>World Health Organisation</td>
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<tr>
<td>XO</td>
<td>Xanthineoxidase</td>
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