**Annex 1**

Keywords related to each Technology Readiness Level (TRL)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TRL 1** | **TRL 2** | **TRL 3** | **TRL 4-5** | **TRL 6-9 (clinical trials)** |
| * alcohol
* bark
* domestication
* drug screening
* flower
* fruit
* inbreeding
* latex
* leaf
* oil
* plant extract
* plant stem
* sap
* Secondary metabolites
* seed
* traditional knowledge
 | * alkaloid
* carbon nuclear magnetic resonance
* chemical composition
* Chromatography, High Pressure Liquid
* drug isolation
* drug mechanism
* drug structure
* drug synthesis
* electrospray mass spectrometry
* flavonoid\*
* fractionation
* gas chromatography
* high performance liquid chromatography
* HPLC-UV
* isolation and purification
* LC-MS
* mass fragmentography
* mass spectrometry
* Molecular Structure
* monoterpene
* phenol derivative
* Phenols
* Polyphenols
* proton nuclear magnetic resonance
* Secondary metabolites
* sesquiterpene
* substance isolation
* tandem mass spectrometry
* Triterpene
* Volatile oil

 | * amastigote
* Amphotericin
* animal cell
* animal tissue
* Anti-Bacterial Agents
* Anti-Infective Agents
* Anti-Inflammatory Agents
* antifungal activity
* antiinfective agent
* antiinflammatory agent
* antimalarial agent
* antimicrobial activity
* antineoplastic activity
* antineoplastic agent
* antioxidant
* Antiprotozoal Agents
* antitrypanosomal agent
* apoptosis
* biological activity
* cancer
* cell culture
* cell line
* Cell Line, Tumor
* cell proliferation
* cell survival
* cell viability
* concentration response
* Cytotoxicity
* Disk Diffusion Antimicrobial Tests
* Dose-Response Relationship, Drug
* drug activity
* drug efficacy
* enzyme activity
* Enzyme inhibition
* Escherichia coli
* gastrointestinal disease
* growth inhibition
* growth, development and aging
* IC 50
* IC50
* in silico
* in vitro
* inflammation
* Inhibitory Concentration 50
* Leishmania
* macrophage
* Macrophages, Peritoneal
* Malaria
* mic - minimum inhibitory concentration
* Microbial Sensitivity Tests
* micronucleus test
* nitric oxide
* nonhuman
* oxidative stress
* Parasitic Sensitivity Tests
* parasitology
* peritoneum macrophage
* Plasmodium falciparum
* preclinical study
* promastigote
* Staphylococcus aureus
* Trypanocidal Agents
* Trypanosoma cruzi
 | * Amphotericin
* Dose-Response Relationship, Drug
* nitric oxide
* drug efficacy
* antineoplastic agent
* cell viability
* antineoplastic activity
* concentration response
* Macrophages, Peritoneal
* inflammation
* cell proliferation
* apoptosis
* Anti-Inflammatory Agents
* growth inhibition
* growth, development and aging
* gastrointestinal disease
* preclinical study
* controlled study
* Animals
* mouse
* Mice
* animal experiment
* adult
* rat
* In vivo
* aged
* Mus
* Wistar
* middle aged
* Drug Evaluation, Preclinical
* hot plate test
* forced swimming test
* Pre-clinical toxicology evaluation
* Preclinical

 | * Dose-Response Relationship, Drug
* major clinical study
* clinical trial
* clinical assessment
* clinical evaluation
* clinical feature
* clinical outcome
* clinical trial (topic
* clinical competence
* clinical practice
* clinical protocol
* Clinical studies
* phase 2 clinical trial
* phase 3 clinical trial
* Clinical investigation
* clinical observation
* clinical research
* Clinical routine
* Clinical Trials
* phase 1 clinical trial
* phase 2 clinical trial

 |