

## **Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore**

**Thirtieth Session**  
**Geneva, May 30 to June 3, 2016**

### **LIST OF REFERENCES FOR RELEVANT RESOURCES SUBMITTED BY MEMBER STATES AND OBSERVERS**

*Document prepared by the Secretariat*

1. At its Twenty-Ninth Session, held from February 15 to 19, 2016, the Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore (“the Committee”) decided that “[w]ith regard to resources that Committee participants may wish to use as reference materials in their preparations for Committee sessions: [...] Member States and observers are invited to send to the Secretariat by March 31, 2016 references for any other resources that may be relevant for Committee participants as reference materials, and the Secretariat shall communicate a list of such references, as provided, to the Thirtieth Session of the Committee in an information document.”

2. Further to the decision above, the WIPO Secretariat issued a circular to all Committee participants, dated March 7, 2016, recalling the decision and inviting participants to make their submissions before March 31, 2016.

3. Pursuant to the above decision, two Member States (the Republic of Korea and the United States of America) and three observers (Asociación Kunas Unidos por Napguana (KUNA), Phuthadikobo Museum and the United Nations Educational, Scientific and Cultural Organization (UNESCO)) submitted references for resources that may be relevant for Committee participants. These submissions, as provided in the languages in which they were received, are included in this document as an Annex.

4. *The Committee is invited to take note of this document and the Annex to it.*

[Annex follows]

## LIST OF REFERENCES FOR RELEVANT RESOURCES SUBMITTED BY MEMBER STATES AND OBSERVERS<sup>1</sup>

### Submissions by Member States

- Republic of Korea
- United States of America

### Submissions by observers

- *Asociación Kunas Unidos por Napguana (KUNA)*
- Phuthadikobo Museum
- United Nations Educational, Scientific and Cultural Organization (UNESCO)

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<sup>1</sup> Note from the Secretariat: Hyperlinks to other websites are provided as received from Member States and observers, and imply neither responsibility for, nor approval of, the information contained in those other websites on the part of WIPO. The Secretariat makes no warranty, either express or implied, as to the accuracy, availability, reliability or content of such information, text, graphics and hyperlinks.

Submission by the Republic of Korea

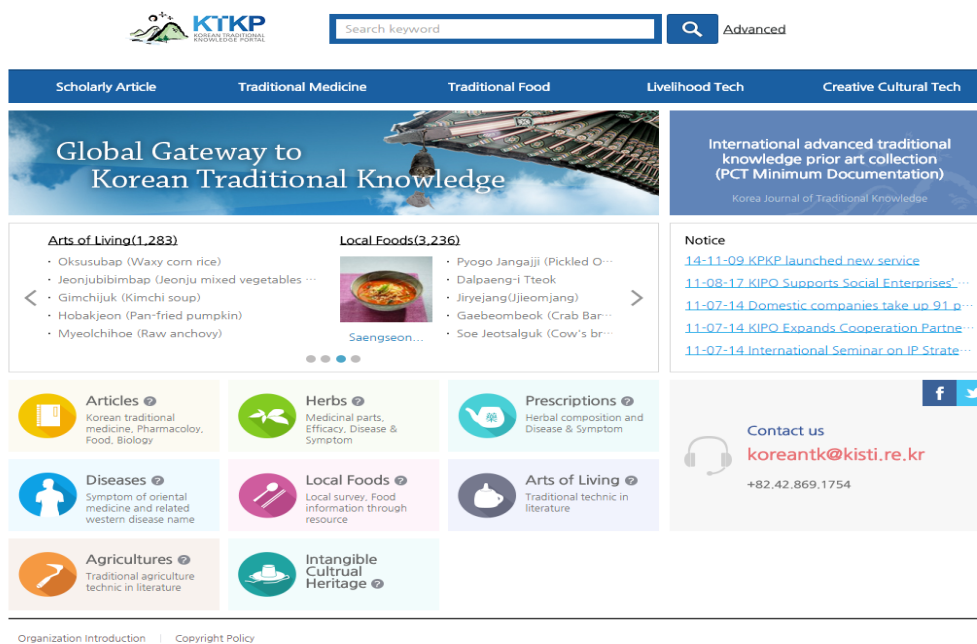
**Introduction of the Korean Traditional Knowledge Portal (KTKP) by Korean Intellectual Property Office**

28 March 2016

**1. Introduction**

Since 2001 the Intergovernmental Committee of the World Intellectual Property Organization (WIPO) has discussed world protection of the traditional knowledge of every country. At the seventh session of the Meeting of International Authorities under the Patent Cooperation Treaty (PCT) in February 2003, it was agreed that traditional knowledge should be included in the "Non-patent Literature" section of the PCT minimum documentation in accordance with specific criteria.

In line with the international protection movement, the Korean Intellectual Property Office (KIPO) decided, in 2004, to formulate an information strategy plan in order to build a database of traditional knowledge. KIPO's database, which was compiled between 2005 and 2007, is based on traditional Korean medicine. A search service of this database was commenced in December 2007.



< Figure 1 Main page of the KTKP (<http://www.koreantk.com>) >

KIPO's database of traditional knowledge includes a vast amount of knowledge from the documentations of old Korean medicine; it also includes a wide range of articles and patent documents. Thus, it contains traditional knowledge from the past and the present.

This database is presented on-line through the Korean Traditional Knowledge Portal (KTKP, <http://www.koreantk.com>; hereinafter referred to as the "Database"). The reasons for making KIPO's database publicly accessible through the KTKP are as follows:

- To lay a foundation for the international protection of Korean traditional knowledge, thereby preventing unauthorized use of patents inside and outside the country;
- To provide an abundance of information on traditional knowledge and related research, thereby expediting the development of related studies and industries; and

- To provide essential information for patent examinations, thereby enhancing the quality of intellectual property applications for traditional knowledge.

The Database can be accessed and utilized by not only the patent examiners of IP Offices, but the general public as well, free of charge. The detailed structure of the Database is shown in Table 1.

< Table 1 Structure of the Database (as of the end of 2015) >

Classifications		Contents	No. of items of information
<b>Main database</b>	Articles	Information on excerpts of articles, PDF files of original articles, and articles from scientific journals in the fields of Oriental medicine, pharmacology, sitology, biology, etc.	34,303
	Herbs	Information on medicinal herbs recorded in old documents of traditional Korean medicine.	5,500
	Prescriptions	Information on prescriptions recorded in old documents of traditional Korean medicine.	7,103
	Diseases	Information on diseases (and its treatment) recorded in old documents of traditional Korean medicine and the relation of such treatments to the corresponding treatment in Western medicine.	12,500
<b>Auxiliaries database</b>	Chemical compounds	Compound ingredients extracted from herbs.	29,944
		Compounds indexed from articles.	137,810
	Terminology	Definition of terminology about herbs, prescriptions, and diseases	54,271
Diseases Mapping	Mapping of disease relevancy between oriental and Western medicine.	2,630	
<b>Total</b>			<b>284,061</b>

## 2. Features and Contents of the DBs

### 2.1 Scholarly Articles (Korean Journal of Traditional Knowledge) DB

The Database is based on scholarly articles about traditional knowledge. The articles were selected from 47 Korean academic journals of various fields, such as Oriental medicine, pharmacology, sitology and biology. The Database also enables original full-text articles to be accessed, on the condition of an agreement on the right of on-line transmission with each respective institution. The names of herbs and compounds in the articles are linked to the herb and compound databases, where further information can be found on each of the subjects. Table 2 shows the contents of the articles DB. See Annex I for more information on contents of the journal DB.

The KJTK (Korean Journal of Traditional Knowledge) is published in web format, in December, based upon an annual base publication and has an ISSN (1976-6882).

< Table 2 Contents of the articles DB >

Contents	Note
<b>Bibliographic data</b>	▪ Includes the title of the article, the name of the author, the author's affiliation, as well as the name of the journal, volume, issue, and page numbers etc.
<b>English abstracts and summaries</b>	▪ Uses any available English abstract of the author. ▪ If there is no English abstract of the author, the original text is summarized in English.
<b>Full-text articles</b>	▪ Uses PDF file format for original articles
<b>International Patent Classification and keywords</b>	▪ Patent analysis information.



Print Search Patent Search Article KOREAN

Insam(人蔘)B

[HERB]

▶ Main

**Scientific Name** *Panax japonicus* C. A. Meyer

**Latin Name** Ginseng Radix

**Used Part** root

**Efficacy** Bobiikgi

Also called strengthening middle and augments the Gi. Method to strengthen the spleen. Basic method of invigorating Gi to treat Gi deficiency syndrome.

Sahwa

Belonging to clearing Heat therapy. Fire is severe heat and clearing method is to use remedy to descend or drain down ward because fire has a nature of Sangyeom. In case of fire in the excess type, purge heat. In case of insubstantial fire, reinforce wate.

Sodam

Method to dispel phlegm by descending blocked turbid phlegm.

**Diseases and symptom**

[Gakhyeol\(咯血\)](#)

hemoptysis

[Dogyeong\(倒經\)](#)

menstrual blood vomiting; vicarious menstruation

[Byeonhyeol\(便血\)](#)

bloody stool; hematochezia

[Bungnu\(崩漏\)](#)

metrorrhagia and metrostaxis

▶ Analytic Information

**IPC** A61K 36/258; A61K 125/00

**Keywords** chikusetu-ninjin; Ginseng Radix; Insam; Japanese ginseng; Panax japonicus C. A. Meyer; satsuma-ninjin; tochiba-ninjin

< Figure 2 Example of the contents of a scholarly article through the Database >

## **2.2 Traditional Medicine DB**

### **(1) Herbs**

The Herbs DB has the following features:

- integrated and systematic arrangement of herbal information;
- information from Oriental medicine documentation on the usable parts of herbs and their effects on specific symptoms;
- links between herbs in the database and searchable information on symptoms, diseases and related prescriptions; and
- patent analytical information of the IPC (International Patent Classification) relating to each herb.

This DB contains information such as the scientific name and terms, Latin name, synonyms, etc., medical information (i.e. its efficacy, symptoms, diseases and related prescriptions, etc.), herbal information (i.e. its properties and tastes, working organs, morphology, images, chemical composition, etc.), and patent analytical information of IPC and keywords relating to the herb.

### **(2) Symptoms and Diseases**

This database has the following features:

- integrated and systematic arrangement of symptoms and diseases' information;
- symptoms and diseases of Oriental medicine based on literatures and the related Western disease name;
- information of herbs and formulas corresponding to diseases and symptoms; and
- patent analytical information of the IPC relating to the symptoms and diseases.

This DB includes medical information, such as definitions and synonyms of symptoms and diseases, etc., old literatures for information of diseases and symptoms, and the disease information related to Western medicine.

### **(3) Prescriptions**

This database has the following features:

- integrated and systematic arrangement of prescriptions data;
- herbal composition, symptoms & diseases and application, etc, of the prescriptions of Oriental medicine based on old literatures;
- links data of diseases and its symptoms to related herbs and prescriptions; and
- patent analytical information of the IPC relating to the prescriptions.

This DB includes information about the resources of prescriptions and herbal composition, medical information (such as the effect of prescriptions, diseases and symptoms, etc.), and information about the application of herbal remedies, along with directions. See Annex II for more information on bibliography of the traditional medicine DB.

## **2.3 Livelihood Tech (Agriculture and Life Techniques) DB**

The books that were published by the Rural Development Administration were about digitalization and reprocessing. To satisfy the standards of the PCT minimum documentation, cover, contents, and copyrights were established along with an issue date. Papers and patent information in relation to the traditional techniques were also provided.

The contents of the DB are as follows:

- PDF and full text for identifying the original articles;
- Bibliographic information of the Agriculture and Living Techniques; and
- Name, methods, notes and evaluation of the development value for the traditional knowledge techniques.

See Annex III for more information on the bibliography of the agriculture and life techniques.

## 2.4 Auxiliaries DB

The Auxiliaries DB includes chemical compounds, terminology, mapping of diseases and so on, which helps in searching the main DB efficiently. Detailed features and contents of the Auxiliaries DB are as follows:

< Table 3 Features and Contents of each section in the auxiliaries DB >

Section		Features	Structured Contents
<b>Patent analysis</b>		<ul style="list-style-type: none"> <li>▪ useful keywords for searches of the IPC articles.</li> </ul>	<ul style="list-style-type: none"> <li>▪ main keywords and English keywords related to herbs, prescriptions, diseases and relevant articles.</li> <li>▪ information from the IPC (8th edition) and related articles on herbs, prescriptions, and diseases.</li> </ul>
<b>Dictionary</b>		<ul style="list-style-type: none"> <li>▪ description of the Oriental medicine terms used in the traditional knowledge database.</li> <li>▪ convenient access to the knowledge database through a 'tool tip' option for medical terms</li> </ul>	<ul style="list-style-type: none"> <li>▪ definitions and synonyms of Oriental medical terms.</li> <li>▪ Korean and English definitions of Oriental medical terms.</li> </ul>
<b>Mapping of diseases between Oriental and Western medicine</b>		<ul style="list-style-type: none"> <li>▪ comparison of Oriental and Western medical in terms of specific diseases and symptoms.</li> <li>▪ search engine that matches Oriental medical information with the corresponding Western medicine.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Western medical information that corresponds to Oriental medical information for specific diseases and symptoms.</li> <li>▪ Oriental medical information that corresponds to Western medical information for specific diseases and symptoms.</li> </ul>
<b>Com- pounds</b>	Compound ingredients of Medicinal herbs	<ul style="list-style-type: none"> <li>▪ Compounds ingredients of natural products extracted from medicinal herbs.</li> <li>▪ search compounds by name or structure and a link to related herb information.</li> <li>▪ link between compounds and related herbs.</li> <li>▪ Application to modern scientific studies using</li> </ul>	<ul style="list-style-type: none"> <li>compound name.</li> <li>CAS registry No.</li> <li>molecular formula.</li> <li>molecular structure (Mol file)</li> <li>of about 12,000 compound substances.</li> </ul>



		traditional medic knowledge.	
	Index of compounds in articles	<ul style="list-style-type: none"> <li>▪ Main compounds were extracted from articles and indexed for compound structure-based searching.</li> <li>▪ Provides a relation between articles and medicinal herbs through common compound information.</li> <li>▪ Provides new searching method for articles.</li> <li>▪ Increases the efficiency of searching by structure-based compound search methods and eliminates the difficulties caused by existence of various synonyms.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Compound name.</li> <li>▪ CAS registry No.</li> <li>▪ molecular formula.</li> <li>▪ molecular structure (Mol file) of main compounds of articles.</li> <li>▪ Index information of compound from articles.</li> </ul>

## Annex I

## □ Contents of the Journal DB

<b>No.</b>	<b>Field</b>	<b>Name of institution</b>	<b>Name of academic Journal</b>	<b>No. of Articles</b>
1	Oriental medicine	Association for Neo Medicine	Journal of Hyungok Academic Society	14
2	Oriental medicine	Association for Neo Medicine	Journal of The Association for Neo Medicine	1
3	Oriental medicine	Institute of Oriental Kyunghee University	Oriental Pharmacy and Experimental Medicine	339
4	Oriental medicine	Korea Institute of Oriental Medicine	Korean Journal of Oriental Medicine	143
5	Oriental medicine	Korean Institute of Herbal Acupuncture	Journal of Korean Institute of Herbal Acupuncture	431
6	Oriental medicine	Korean Medical Institute of Dermatology & Aesthetics	KOREAN JOURNAL OF KOREAN MEDICAL INSTITUTE OF DERMATOLOGY & AESTHETICS	7
7	Oriental medicine	Korean Oriental Association for Study of Obesity	Journal of Korean Oriental Association for Study of Obesity	80
8	Oriental medicine	Korean Oriental Medical Society	The Journal of Korean Oriental Medicine	1,482
9	Oriental medicine	Kyung Hee University College of Oriental Medicine	Kyung Hee University Oriental Medical Journal	454
10	Oriental medicine	Published by Daejeon University, Institute of Korean medicine	The Journal of Daejeon Oriental Medicine	509
11	Oriental medicine	Published by Dongguk University, Institute of Oriental Medical	The Journal of DongGuk Oriental Medicine	98
12	Oriental medicine	Research Center of Traditional Korean Medicine	The Journal of Traditional Korean Medicine	62
13	Oriental medicine	THE KOREAN ACUPUNCTURE & MOXIBUSTION SOCIETY	THE JOURNAL OF KOREAN ACUPUNCTURE & MOXIBUSTION SOCIETY	1,241
14	Oriental medicine	The Association of Korean Oriental Pediatrics	THE Journal OF KOREAN ORIENTAL PEDIATRICS	287
15	Oriental medicine	The KOREAN ORIENTAL ONCOLOGY	Journal of Korean Traditional Oncology	49
16	Oriental medicine	The KOREAN ORIENTAL ONCOLOGY	THE JOURNAL OF KOREAN ORIENTAL ONCOLOGY	64
17	Oriental medicine	The Korea Association of Herbology	The Korea Journal of Herbology	1,073
18	Oriental medicine	The Korea Institute Of Oriental Medical Kiagnodtics	The Journal Of The Korea Institute Of Oriental Medical Kiagnodtics	90
19	Oriental medicine	The Korea Institute of Oriental Medical Informatics	The Journal of the Korea institute of oriental medical informatics	97

20	Oriental medicine	The Korean Academy of Oriental Medicine Prescription	THE KOREAN JOURNAL OF ORIENTAL MEDICAL PRESCRIPTION	381
21	Oriental medicine	The Korean Association of Oriental Medical Physiology	Korean Journal of Oriental Medical Pathology	226
22	Oriental medicine	The Korean Association of Oriental Medical Physiology	Korean Journal of Oriental Medical Physiology and Pathology	196
23	Oriental medicine	The Korean Association of Oriental Medical Physiology	Korean Journal of Oriental Physiology and Pathology	1,768
24	Oriental medicine	The Korean Medical Classics	The Journal of Korean Medical Classics	39
25	Oriental medicine	The Korean Oriental Chronic Disease	The Journal of Korean Oriental Chronic Disease	122
26	Oriental medicine	The Korean Oriental Internal Medicine	Journal of Korean Oriental Internal Medicine	979
27	Oriental medicine	The Korean Oriental Medical Ophthalmology and Otolaryngology and Dermatology Society	The Journal of Oriental Medical Surgery, Ophthalmology and Otolaryngology	645
28	Oriental medicine	The Korean Society For Oriental Preventive Medicine	The Korean Journal of Oriental Preventive Medicine	158
29	Oriental medicine	The Korean Society of Meridian & Acupoint	The Korean Journal of Meridian & Acupoint	182
30	Oriental medicine	The Korean Society of Oriental Neuropsychiatry	Journal of Oriental Neuropsychiatry	364
31	Oriental medicine	The Society of Constitutional Medicine	Journal of Sasang Constitutional Medicine	458
32	Oriental medicine	The Society of Oriental Obstetrics and Gynecology	The JOURNAL of ORIENTAL OBSTETRICS & GYNECOLOGY	872
33	Sitology	Korean Society for Food Science of Animal Resources	Korean Journal for Food Science of Animal Resources	56
34	Sitology	Korean Society of Food Science and Technology	Korean journal of food science and technology	2,649
35	Sitology	Korean Society of Food and Cookery Science	Korean Journal of Food and Cookery Science	1,400
36	Sitology	The Korean Journal of Food and Nutrition	The Korean Journal of Food And Nutrition	842
37	Sitology	The Korean Nutrition Society	The Korean Journal of Nutrition	472
38	Sitology	The Korean Society of Dietary Culture	Korean Journal of Food Culture	497
39	Sitology	The Korean Society of Food Science and Nutrition	Journal of Food Science and Nutrition	465
40	Sitology	The Korean Society of Food Science and Nutrition	Journal of the Korean Society of Food Science and Nutrition	3,868
41	Pharmacology	The Korean Society of Crop Science	Korean Journal of Crop Science	191
42	Pharmacology	The Korean Society of Food Preservation	Korean Journal of Food Preservation	530
43	Pharmacology	The Korean Society of Ginseng	Journal of Ginseng Research	1,059
44	Pharmacology	The Korean Society of	Korean Journal of Medicinal	1,164

		Medicinal Corp Science	Crop Science	
45	Pharmacology	The Korean Society of Pharmaceutics	The Journal of Applied Pharmacology	286
46	Pharmacology	The Korean Society of Pharmacognosy	Korean Journal of Pharmacognosy	1,793
47	Pharmacology	The Korean Society of Pharmacognosy	Natural Product Sciences	896
48	Pharmacology	The Pharmaceutical Society of Korea	Archives of Pharmacal Research	845
49	Pharmacology	The Pharmaceutical Society of Korea	YAKHAK HOEJI	865
50	Biology	Journal of Plant Biotechnology	Journal of Plant Biotechnology	43
51	Biology	Korean Society of Life Science	Journal of Life Science	1,017
52	Biology	The Korean Society for Applied Microbiology and Biotechnology	Korean Journal of Microbiollogy and Biotechnology	127
53	Biology	The Korean Society of Agricultural Chemistry and Biotechnology	Journal of The Korean Society For Applied Biological Chemistry	1,122
54	Biology	The Korean Society of Fisheries and Aquatic Science	Korean Journal of Fisheries and Aquatic Sciences	227
55	Biology	The Korean Society of Mycology	The Korean Journal of Mycology	310
56	Biology	The Plant Resources Society of Korea	Korean Journal of Plant Resources	636
57	Biology	The Plant Resources Society of Korea	Plant Resources	32
<b>Total</b>				<b>34,303</b>

## Annex II

## □ Bibliography of the Traditional Medicine DB

**1. Herbs**

<b>Bibliography</b>	<b>Copyright year</b>	<b>Publisher</b>	<b>Place of publication</b>
<b>Korean Pharmacopoeia, 8th Edition; Korean Herbal Pharmacopoeia</b>	2002	Korea Food and Drug Administration	Korea
<b>Donguibangje &amp; Cheobanghaeseol</b>	2002	Uiseongdang	Korea
<b>Donguibogam</b>	1613		Korea
<b>Dongui Yagyong Gwangmulhak</b>	20 Feb. 2005	Uiseongdang	Korea
<b>Dongui Yagyong Dongmulhak</b>	2002	Uiseongdang	Korea
<b>Bangyakhappyeon</b>	1884		Korea
<b>Bangjehak</b>	1989	Gyechungmunhwasa	Korea
<b>Bonchohak</b>	20 Mar. 2004	Yeongnimisa	Korea
<b>Donguisasangsinpyeon</b>	1929	Munusa	Korea
<b>Usugyeongheombangjip in Korea</b>	2004	Korea Institute of Oriental Medicine	Korea
<b>Ungok Bonchohak</b>	30 May 2004	Seorimjae	Korea
<b>Coloured Resources Plants of Korea</b>	5 Aug. 2003	Hyangmunsa	Korea
<b>Cheongganguigam</b>	2001	Seongbosa	Korea
<b>Illustrated Book of Korean Medicinal Herbs</b>	20 July 2003	Gyohaksa	Korea

**2. Symptoms and Diseases**

<b>Bibliography</b>	<b>Copyright year</b>	<b>Publisher</b>	<b>Place of publication</b>
<b>Donguibogam</b>	1613		Korea
<b>Bangyakhappyeon</b>	1884		Korea
<b>Donguisasangsinpyeon</b>	1929	Munusa	Korea
<b>Usugyeongheombangjip in Korea</b>	2004	Korea Institute of Oriental Medicine	Korea
<b>Cheongganguigam</b>	2001	Seongbosa	Korea

**3. Prescriptions**

<b>Bibliography</b>	<b>Copyright year</b>	<b>Publisher</b>	<b>Place of publication</b>
<b>Donguibangje and Cheobanghaeseol</b>	2002	Uiseongdang	Korea
<b>Donguibogam</b>	1613		Korea
<b>Dongui Yagyong Gwangmulhak</b>	20 Feb. 2005	Uiseongdang	Korea
<b>Bangyakhappyeon</b>	1884		Korea
<b>Bangjehak</b>	1989	Gyechungmunhwasa	Korea
<b>Donguisasangsinpyeon</b>	1929	Munusa	Korea
<b>Usugyeongheombangjip in</b>	2004	Korea Institute of Oriental	Korea

<b>Korea</b>		Medicine	
<b>Cheongganguigam</b>	2001	Seongbosa	Korea
<b>www.tradimed.co.kr</b>			Korea

Annex III

□ Bibliography of the Agriculture and Life Techniques

<b>Bibliography</b>	<b>Year of Published</b>	<b>Publisher</b>	<b>Country</b>
<b>Traditional Knowledge Collection books – Living culture</b>	1997	Rural Development Administration	Korea
<b>Traditional Knowledge Collection books – Production use technique</b>	1997	Rural Development Administration	Korea
<b>Traditional Knowledge Collection books – Medicinal crop utilization</b>	1997	Rural Development Administration	Korea
<b>Traditional Knowledge Collection books – Hereditary resources I - Animals, mulberry trees, microorganisms</b>	1997	Rural Development Administration	Korea
<b>Traditional Knowledge Collection books Hereditary resources II - Planting seed</b>	1997	Rural Development Administration	Korea
<b>Traditional Knowledge Resource Practical Usage Report</b>	2003	Rural Development Administration	Korea
<b>Gyuhapchongseo - Traditional life skills</b>	2003	Rural Development Administration	Korea
<b>Traditional 2004 and Technology for Green Agriculture Collection Books – Food Crops</b>	2004	Rural Development Administration	Korea
<b>Traditional Knowledge and Technology for Environment-friendly Agriculture Collection Books – Garden Products</b>	2004	Rural Development Administration	Korea
<b>Traditional Knowledge and Technology for Environment-friendly Agriculture Collection Books - Livestock Products</b>	2004	Rural Development Administration	Korea
<b>Rural Area's Traditional Oral Transmission Research and Practical Use</b>	2007	Rural Development Administration	Korea
<b>Ancient Agriculture Book for Modern Application Ongijisin Vol. 1</b>	2008	Rural Development Administration	Korea
<b>Ancient Agriculture Book for Modern Application Ongijisin Vol. 2</b>	2008	Rural Development Administration	Korea
<b>Ancient Agriculture Book for Modern Application Ongijisin Vol. 3</b>	2008	Rural Development Administration	Korea
<b>Ancient Agriculture Book for Modern Application Ongijisin Vol. 4</b>	2008	Rural Development	Korea

<b>Promising Industrialization Resources of Rural Areas</b>	-	Administration Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 1 - Saekgyeong</b>	2001	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books2 - Nongjeongsinpyeon</b>	2002	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books3 – Nongjeongseo</b>	2002	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books4 - Jeungbosallimgyeongje I</b>	2003	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books5 – Jeungbosallimgyeongje II</b>	2003	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books6 - Jeungbosallimgyeongje III</b>	2004	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 7 – Nonggaseol/Wibinmyeongnonggi/Nonggawillyeong/Nonggajipseong</b>	2004	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 8 - Sangayorok</b>	2004	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 9 - Singnyochannyo</b>	2004	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 10 - Nongjeonghoeyo I</b>	2005	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 11 - Nongjeonghoeyo II</b>	2006	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 12 – Nongjeonghoeyo III</b>	2007	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 13 - Haedongnongseo I</b>	2008	Rural Development Administration	Korea
<b>Ancient Agriculture Book Korean Translated Collection Books 14 - Haedongnongseo II</b>	2008	Rural Development Administration	Korea

## Submission by the United States of America

The following list of resources related to traditional knowledge and genetic resources is used by US patent examiners. This list is regularly updated. The patent examiners find that the most useful resources are:

- India's TKDL
- Dictionary of Natural Products
- iChinese Herbs
- Korean Traditional Knowledge Portal
- Dr. Duke's
- Henriette's Classic Herbal Texts

### **Alphabetical Listing of Traditional Knowledge Resources (www.uspto.gov) only**

#### An Herbal / Medical Dictionary

Annie's Remedy (link is external)

Arctic Science Portal (link is external)

Aromatic and Medicinal Plants Index (link is external)

Ayurvedic Pharmacopoeia

Botanical.com - A Modern Herbal

Cacti Guide (link is external)

Crane Herb Company

Dasherb (link is external)

David Winston: Tradition & Science

Dictionary of Natural Products (link is external)

Dispensatory of the United States of America

Dr. Duke's Phytochemical and Ethnobotanical Databases (link is external)

Drug Digest (link is external)

Duke Live Plant Collections

Eastern Chinese Medicine Export Company (link is external)

Eclectic Materia Medica, Pharmacology and Therapeutics

eMedicinal

English Physician

Find Me A Cure (link is external)

Find Wild Flowers (link is external)

Fungal Database (link is external)

Germplasm Resources Information Network - (link is external)

Gernot Katzer's Spice Pages (link is external)

Hawaiian Ethnobotany Online Database (link is external)

Healing Secrets of Aboriginal Bush Medicine

Henriette's Classic Herbal Texts

Herb Formulas for Clinic and Home

Herbal Medicine Materia Medica (link is external)

Himalaya Herbal Health Care (link is external)

History of the Vegetable Drugs of the Pharmacopoeia of the United States (link is external) (1911)

Holistic Online

iChinese Herbs (link is external)



[ITIS \(link is external\)](#)

[Kalyx](#)

[King's American Dispensatory \(1898\)](#)

[Korean Traditional Knowledge Portal \(KTKP\) \(link is external\)](#)

[Liber Herbarum \(link is external\)](#)

[Malta Wild Plants \(link is external\)](#)

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[Materia Medica Vegetabilis Vol.I \(link is external\)](#)

[Materia Medica Vegetabilis Vol.II \(link is external\)](#)

[Materia Medica Vegetabilis Vol.III \(link is external\)](#)

[Medicinal Plants of North America](#)

[MedlinePlus - Drugs and Supplements \(link is external\)](#)

[Memorial Sloan-Kettering Cancer Center](#)

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[Mushroom Nutrition \(link is external\)](#)

[NAPRALERT \(link is external\)](#)

[Native Plants Hawaii \(link is external\)](#)

[Natural Medicines Comprehensive Database \(link is external\)](#)

[Navajo Indian Medical Ethnobotany \(link is external\) \(1941\)](#)

[NCCIH \(link is external\)](#)

[Northern Ontario Plant Database \(link is external\)](#)

[Oro Verde Green Gold from Amazonia \(link is external\)](#)

[Physio-Medical Therapeutics, Materia Medica and Pharmacy](#)

[Plants for a Future](#)

[Plantsciencenetbase \(link is external\)](#)

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[Plants Used as Curatives by Certain Southeastern Tribes \(link is external\) \(1940\)](#)

[Practitioner's Handbook of Materia Medica and Therapeutics](#)

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[Report on the Indigenous Medical Botany of Massachusetts](#)

[Samoa Medicinal Plants and Their Usage](#)

[Society for Research and Initiatives for Sustainable Technologies and Institutions \(link is external\)](#)

[Southwest School of Botanical Medicine \(link is external\)](#)

[Sturtevant's Edible Plants of the World \(1919\)](#)

[The Encyclopedia of New Zealand: Medicinal use of plants \(link is external\)](#)

[The International Plant Names Index \(link is external\)](#)

[The Japanese Pharmacopoeia, 14th Edition](#)

[The Plant List \(link is external\)](#)

[Traditional Knowledge Digital Library – India \(TKDL\) \(link is external\)](#)

[University of California Online Archive of American Folk Medicine \(link is external\)](#)

[University of Melbourne \(link is external\)](#)

[University of Washington \(link is external\)](#)

[USDA Plants Database \(link is external\)](#)

[Welcome to the Rainforest](#)

[Western United States Flora Checklists](#)

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[WHO: Medicinal Plants in the South Pacific \(link is external\)](#)

[World Health Monographs on Selected Medicinal Plants, Volume I \(link is external\)](#)

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Submission by Asociación Kunas Unidos por Napguana (KUNA)

Decisión del Punto 7 del orden del día  
RECURSOS GENÉTICOS.

Cuando el Comité pide a la Secretaría, anticipadamente antes de la trigésima sesión del Comité, que consoliden todos los recursos existentes, sobre experiencias regionales, nacionales, locales y comunitarias.

La Asociación Kunas Unidos por Napguana (KUNA), quiere compartir las experiencias del Pueblo indígena Kuna en Panamá, con los Protocolos Comunitarios que hemos venido desarrollando en nuestras comunidades, para proteger, salvaguardar los saberes ancestrales.

Los trabajos concluidos con el aval de máxima autoridad del pueblo kuna, el Congreso General Kuna tenemos:

- Protocolo de Investigación en materia de medicina tradicional kuna y la biodiversidad. Instituto de investigación y desarrollo de Kuna Yala. Panamá, 2000.
- Conocimiento kuna, Biodiversidad y Propiedad intelectual. Congreso General kuna, Congreso General de la cultura kuna, Fundación Dobbo Yala. Panamá, Octubre 2006.
- Protocolo indígena de acceso a recursos genéticos y distribución equitativa de los beneficios. Congreso General Kuna, Fundación para la promoción del conocimiento indígena (FPC). Panamá, 2008-2011
- Protocolo regional indígena sobre acceso a recursos genéticos y conocimiento tradicional. Fundación para la promoción del conocimiento indígena.(FPCI), Panamá 2011.
- Ley General de Ambiente y Pueblos Indígenas. CEALP

Nota: Adjunto breve presentación de los trabajos que están ejecución en territorio de los indígenas kunas de Panamá.

Tengo trabajos terminados que se puede compartir con los demás miembros.

Sin más por el momento, me despido de usted, y espero que este aporte sea tomado en cuenta, cómo los indígenas kunas en Panamá, estamos protegiendo nuestros conocimientos ancestrales, tanto estudio, investigación a recursos genéticos y otros saberes ancestrales. Con mucho gusto puedo seguir contribuyendo, cuando reciban estos trabajos, por favor avíseme, y acabo de recibir la nota de invitación para 30º Sesión.

Atentamente,

Nelson De León Kantule  
Asociación Kunas Unidos por Napguana (KUNA)

Submission by the Phuthadikobo Museum

**Ethiopia: Challenges to Biodiversity Conservation** AllAfrica.com

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**Biopiracy: When corporations steal indigenous practices and patent ...** The World Weekly-03 Mar 2016

**Genetic Resources, Chromosome Engineering, and Crop ... - Page 38**  
<https://books.google.co.bw/books?isbn=1420073842> Ram J. Singh - 2011

**Animal genetic resources and sustainable livelihoods** S Anderson - Ecological Economics, 2003 – Elsevier

**Shifts in African crop climates by 2050, and the implications for crop improvement and genetic resources conservation** MB Burke, DB Lobell, L Guarino - Global Environmental Change, 2009 – Elsevier

**Genetic diversity of oil palm (Elaeis guineensis Jacq.) germplasm collections from Africa: implications for improvement and conservation of genetic resources** A Hayati, R Wickneswari, I Maizura... - ... and Applied Genetics, 2004 – Springer

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**The wild relatives of rice: a genetic resources handbook** DA Vaughan - 1994 - books.google.com

**Plant genetic resources: What can they contribute toward increased crop productivity?** D Hoisington, M Khairallah, T Reeves... - Proceedings of the ..., 1999 - National Acad Sciences

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**Molecular tools in plant genetic resources conservation: a guide to the technologies.** A Karp - 1997 - books.google.com

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**Potential genetic resources in tomato species: clues from observations in native habitats.** CM Rick - Genes, enzymes, and populations, 1973 – Springer

**Legume genetic resources with novel “value added” industrial and pharmaceutical use.** JB Morris - Perspectives on new crops and new uses, 1999 - hort.purdue.edu

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**Metagenomics for mining new genetic resources of microbial communities** M Ferrer, A Beloqui, KN Timmis... - Journal of molecular ..., 2009 - karger.com

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**In situ conservation of genetic resources: determinants of minimum area requirements.** BA Wilcox - National parks, conservation and development: the ..., 1984 - researchgate.net

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Trends in plant science, 2008 - Elsevier

Submission by the United Nations Educational, Scientific and Cultural Organization (UNESCO)

The UNESCO recommends that the IGC takes into consideration:

- the Ethical Principles for Safeguarding Intangible Cultural Heritage, endorsed at the tenth session of the Intergovernmental Committee for the Safeguarding of the Intangible Cultural Heritage (<http://www.unesco.org/culture/ich/en/Decisions/10.COM/15.a>), which provide overarching aspirational orientations for governments, organizations and individuals directly or indirectly affecting the viability of intangible cultural heritage, including traditional knowledge; and
- the draft Operational Directives on 'Safeguarding intangible cultural heritage and sustainable development at the national level' – which specifically refers to genetic resources – will be proposed for adoption at the sixth session of the General Assembly of States Parties to the 2003 Convention in 2016.

[End of Annex and of document]