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| WIPO/GRTKF/IC/31/inf/8 | | |
| **原 文：****英文** | | |
| **日 期：****2016年8月24日** | | |

知识产权与遗传资源、传统知识和民间文学艺术  
政府间委员会

**第三十一届会议**

2016**年**9**月**19**日至**23**日，日内瓦**

成员国和观察员提交的相关参考资源清单

*秘书处编拟的文件*

1. 在2016年2月15日至19日举行的第二十九届会议上，知识产权与遗传资源、传统知识和民间文学艺术政府间委员会(“委员会”)决定：“关于委员会与会者为筹备委员会会议可能希望用作参考资料的资源：[……]请成员国和观察员在2016年3月31日前，向秘书处提交可能被委员会与会者用作参考资料的任何其他资源，秘书处应以信息文件的形式，将收到的此种资源的清单送交委员会第三十届会议。”

2. 继该项决定之后，WIPO秘书处向委员会所有与会者发出了2016年3月7日的通函，回顾了该决定，请与会者在2016年3月31日之前提交来文。

3. 按上述决定，两个成员国(大韩民国和美利坚合众国)及三个观察员(库纳人保护地球母亲联合会(KUNA)、Phuthadikobo博物馆和联合国教育、科学及文化组织(UNESCO))提交了可能被委员会与会者用作参考资料的资源。这些来文以收到的原文作为信息文件WIPO/GRTKF/IC/30/INF/9提供给了2016年5月30日至6月3日举行的委员会第三十届会议。

4. 委员会第三十届会议之后，秘书处向委员会所有与会者发出了日期为2016年7月28日的另一份通函，回顾了该决定，请与会者在2016年8月18日之前提交进一步来文。一个观察员(库纳人保护地球母亲联合会(KUNA)提交了可能被委员会与会者用作参考资料的进一步资源。

5. 现将这些来文，包括文件WIPO/GRTKF/IC/30/INF/9附件中所载的来文，作为附件收入本文件。

6. 请委员会注意本文件及其附件。

[后接附件]

List of references for relevant RESOURCES submitted by member states and observers[[1]](#footnote-1)

Submissions by Member States

* Republic of Korea
* United States of America

Submissions by observers

* *Asociación Kunas Unidos por Napguana (KUNA)*
  + *Dated March 8, 2016*
  + *Dated August 5, 2016*
* Phuthadikobo Museum
* United Nations Educational, Scientific and Cultural Organization (UNESCO)

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**](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** |
| **Main database** | 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 |
| **Auxiliaries database** | Chemical compounds | Compound ingredients extracted from herbs. Compounds indexed from articles. | 29,944  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 |
| **Total** | | | 284,061 |

**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** |
| **Bibliographic data** | ▪ 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. |
| **English abstracts and summaries** | ▪ Uses any available English abstract of the author.  ▪ If there is no English abstract of the author, the original text is summarized in English. |
| **Full-text articles** | ▪ Uses PDF file format for original articles |
| **International Patent Classification and keywords** | ▪ Patent analysis information. |







**< 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** |
| **Patent analysis** | | ▪ useful keywords for searches of the IPC articles. | ▪ main keywords and English keywords related to herbs, prescriptions, diseases and relevant articles.  ▪ information from the IPC (8th edition) and related articles on herbs, prescriptions, and diseases. |
| **Dictionary** | | ▪ description of the Oriental medicine terms used in the traditional knowledge database.  ▪ convenient access to the knowledge database through a ‘tool tip’ option for medical terms | ▪ definitions and synonyms of Oriental medical terms.  ▪ Korean and English definitions of Oriental medical terms. |
| **Mapping of diseases between Oriental and Western medicine** | | ▪ comparison of Oriental and Western medical in terms of specific diseases and symptoms.  ▪ search engine that matches Oriental medical information with the corresponding Western medicine. | ▪ Western medical information that corresponds to Oriental medical information for specific diseases and symptoms.  ▪ Oriental medical information that corresponds to Western medical information for specific diseases and symptoms. |
| **Com-pounds** | Compound ingredients of Medicinal herbs | ▪ Compounds ingredients of natural products extracted from medicinal herbs.  ▪ search compounds by name or structure and a link to related herb information.  ▪ link between compounds and related herbs.  ▪ Application to modern scientific studies using traditional medic knowledge. | compound name.  CAS registry No.  molecular formula.  molecular structure (Mol file) of about 12,000 compound substances. |
| Index of compounds in articles | ▪ Main compounds were extracted from articles and indexed for compound structure-based searching.  ▪ Provides a relation between articles and medicinal herbs through common compound information.  ▪ Provides new searching method for articles.  ▪ Increases the efficiency of searching by structure-based compound search methods and eliminates the difficulties caused by existence of various synonyms. | ▪ Compound name.  ▪ CAS registry No.  ▪ molecular formula.  ▪ molecular structure (Mol file) of main compounds of articles.  ▪Index information of compound from articles. |

|  |
| --- |
| Annex I |

□ Contents of the Journal DB

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Field** | **Name of institution** | **Name of academic Journal** | **No. of Articles** |
| **1** | Oriental medicine | Association for Neo Medicine | [Journal of Hyungok Academic Society](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HKHHCY) | 14 |
| **2** | Oriental medicine | Association for Neo Medicine | [Journal of The Association for Neo Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HKHHBV) | 1 |
| **3** | Oriental medicine | Institute of Oriental Kyunghee University | [Oriental Pharmacy and Experimental Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=E1OGB9) | 339 |
| **4** | Oriental medicine | Korea Institute of Oriental Medicine | [Korean Journal of Oriental Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HOROBJ) | 143 |
| **5** | Oriental medicine | Korean Institute of Herbal Acupuncture | [Journal of Korean Institute of Herbal Acupuncture](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DHOCBS) | 431 |
| **6** | Oriental medicine | Korean Medical Institute of Dermatology & Aesthetics | [KOREAN JOURNAL OF KOREAN MEDICAL INSTITUTE OF DERMATOLOGY & AESTHETICS](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=PBMOB4) | 7 |
| **7** | Oriental medicine | Korean Oriental Association for Study of Obesity | [Journal of Korean Oriental Association for Study of Obesity](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HBBMB9) | 80 |
| **8** | Oriental medicine | Korean Oriental Medical Society | [The Journal of Korean Oriental Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HOHHBZ) | 1,482 |
| **9** | Oriental medicine | Kyung Hee University College of Oriental Medicine | [Kyung Hee Unicersity Oriental Medical Journal](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=KHHOBW) | 454 |
| **10** | Oriental medicine | Published by Daejeon University, Institute of korean medicine | [The Journal of Daejeon Oriental Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DJHHBH) | 509 |
| **11** | Oriental medicine | Published by Dongguk University, Institute of Oriental Medical | [The Journal of DongGuk Oriental Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DGHSBN) | 98 |
| **12** | Oriental medicine | Research Center of Traditional Korean Medicine | [The Journal of Traditional Korean Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=JTOOB2) | 62 |
| **13** | Oriental medicine | THE KOREAN ACUPUNCTURE & MOXIBUSTION SOCIETY | [The JOURNAL OF KOREAN ACUPUNCTURE & MOXIBUSTION SOCIETY](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HHCCB2) | 1,241 |
| **14** | Oriental medicine | The Association of Korean Oriental Pediatrics | [THE Journal OF KOREAN ORIENTAL PEDIATRICS](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HHSSB3) | 287 |
| **15** | Oriental medicine | The KOREAN ORIENTAL ONCOLOGY | [Journal of Korean Traditional Oncology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HJJJCF) | 49 |
| **16** | Oriental medicine | The KOREAN ORIENTAL ONCOLOGY | [THE JOURNAL OF KOREAN ORIENTAL ONCOLOGY](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HJJJB9) | 64 |
| **17** | Oriental medicine | The Korea Association of Herbology | [The Korea Journal of Herbology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DHBCBU) | 1,073 |
| **18** | Oriental medicine | The Korea Institute Of Oriental Medical Kiagnodtics | [The Journal Of The Korea Institute Of Oriental Medical Kiagnodtics](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HOJDB5) | 90 |
| **19** | Oriental medicine | The Korea Institute of Oriental Medical Informatics | [The Journal of the Korea institute of oriental medical informatics](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HHJBBF) | 97 |
| **20** | Oriental medicine | The Korean Academy of Oriental Medicine Prescription | [THE KOREAN JOURNAL OF ORIENTAL MEDICAL PRESCRIPTION](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HBBJBB) | 381 |
| **21** | Oriental medicine | The Korean Association of Oriental Medical Physiology | [Korean Journal of Oriental Medical Pathology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DRSRCK) | 226 |
| **22** | Oriental medicine | The Korean Association of Oriental Medical Physiology | [Korean Journal of Oriental Medical Physiology and Pathology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DRSRBO) | 196 |
| **23** | Oriental medicine | The Korean Association of Oriental Medical Physiology | [Korean Journal of Oriental Physiology and Pathology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=DRSRDH) | 1,768 |
| **24** | Oriental medicine | The Korean Medical Classics | [The Journal of Korean Medical Classics](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HOOJBM) | 39 |
| **25** | Oriental medicine | The Korean Oriental Chronic Disease | [The Journal of Korean Oriental Chronic Disease](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HBSOBO) | 122 |
| **26** | Oriental medicine | The Korean Oriental Internal Medicine | [Journal of Korean Oriental Internal Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HNGHBF) | 979 |
| **27** | Oriental medicine | The Korean Oriental Medical Ophthalmology and Otolaryngology and Dermatology Society | [The Journal of Oriental Medical Surgery, Ophthalmology and Otolaryngology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=OOBHC1) | 645 |
| **28** | Oriental medicine | The Korean Society For Oriental Preventive Medicine | [The Korean Journal of Oriental Preventive Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=OBHOB2) | 158 |
| **29** | Oriental medicine | The Korean Society of Meridian & Acupoint | [The Korean Journal of Meridian & Acupoint](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HHRRB4) | 182 |
| **30** | Oriental medicine | The Korean Society of Oriental Neuropsychiatry | [Journal of Oriental Neuropsychiatry](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HBSKB9) | 364 |
| **31** | Oriental medicine | The Society of Constitutional Medicine | [Journal of Sasang Constitutional Medicine](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=HSSSBH) | 458 |
| **32** | Oriental medicine | The Society of Oriental Obstetrics and Gynecology | [The JOURNAL of ORIENTAL OBSTETRICS & GYNECOLOGY](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=1&kojic=BOGHBE) | 872 |
| **33** | Sitology | Korean Society for Food Science of Animal Resources | [Korean Journal for Food Science of Animal Resources](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=CSSPBQ) | 56 |
| **34** | Sitology | Korean Society of Food Science and Technology | [Korean journal of food science and technology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=SPGHB5) | 2,649 |
| **35** | Sitology | Korean Society of Food and Cookery Science | [Korean Journal of Food and Cookery Science](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=HJRGB8) | 1,400 |
| **36** | Sitology | The Korean Journal of Food and Nutrition | [The Korean Journal of Food And Nutrition](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=HGSPB1) | 842 |
| **37** | Sitology | The Korean Nutrition Society | [The Korean Journal of Nutrition](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=KOOHBL) | 472 |
| **38** | Sitology | The Korean Society of Dietary Culture | [Korean Journal of Food Culture](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=SSMHB4) | 497 |
| **39** | Sitology | The Korean Society of Food Science and Nutrition | [Journal of Food Science and Nutrition](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=E1FSA3) | 465 |
| **40** | Sitology | The Korean Society of Food Science and Nutrition | [Journal of the Korean Society of Food Science and Nutrition](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=2&kojic=SPOOBG) | 3,868 |
| **41** | Pharmacology | The Korean Society of Crop Science | [Korean Journal of Crop Science](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=JMHHBK) | 191 |
| **42** | Pharmacology | The Korean Society of Food Preservation | [Korean Journal of Food Preservation](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=SPOSBX) | 530 |
| **43** | Pharmacology | The Korean Society of Ginseng | [Journal of Ginseng Research](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=GROSBR) | 1,059 |
| **44** | Pharmacology | The Korean Society of Medicinal Corp Science | [Korean Journal of Medicinal Crop Science](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=OOJJBO) | 1,164 |
| **45** | Pharmacology | The Korean Society of Pharmaceutics | [The Journal of Applied Pharmacology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=OOOMB4) | 286 |
| **46** | Pharmacology | The Korean Society of Pharmacognosy | [Korean Journal of Pharmacognosy](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=HKSOBF) | 1,793 |
| **47** | Pharmacology | The Korean Society of Pharmacognosy | [Natural Product Sciences](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=E1HSBY) | 896 |
| **48** | Pharmacology | The Pharmaceutical Society of Korea | [Archives of Pharmacal Research](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=E1PHAW) | 845 |
| **49** | Pharmacology | The Pharmaceutical Society of Korea | [YAKHAK HOEJI](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=3&kojic=DHOHBI) | 865 |
| **50** | Biology | Journal of Plant Biotechnology | [Journal of Plant Biotechnology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=SMSMCM) | 43 |
| **51** | Biology | Korean Society of Life Science | [Journal of Life Science](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=SMGHBM) | 1,017 |
| **52** | Biology | The Korean Society for Applied Microbiology and Biotechnology | [Korean Journal of Microbiololgy and Biotechnology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=MSMSBV) | 127 |
| **53** | Biology | The Korean Society of Agricutural Chemistry and Biotechnology | [Journal of The Korean Society For Applied Biological Chemistry](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=OOSMBK) | 1,122 |
| **54** | Biology | The Korean Society of Fisheries and Aquatic Science | [Korean Journal of Fisheries and Aquatic Sciences](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=KSSHBC) | 227 |
| **55** | Biology | The Korean Society of Mycology | [The Korean Journal of Mycology](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=GNHHDL) | 310 |
| **56** | Biology | The Plant Resources Society of Korea | [Korean Journal of Plant Resources](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=JOSMBA) | 636 |
| **57** | Biology | The Plant Resources Society of Korea | [Plant Resources](http://www.koreantk.com/ktkp2014/thesis/list-by-journal.page?pageSize=&pageNo=1&socTpCd=4&kojic=E1PRAO) | 32 |
| **Total** | | | | 34,303 |

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| Annex II |

□ Bibliography of the Traditional Medicine DB

**1. Herbs**

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| **Dongui Yagyong Dongmulhak** | 2002 | Uiseongdang | Korea |
| **Bangyakhappyeon** | 1884 |  | Korea |
| **Bangjehak** | 1989 | Gyechungmunhwasa | Korea |
| **Bonchohak** | 20 Mar. 2004 | Yeongnimsa | Korea |
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| **Usugyeongheombangjip in Korea** | 2004 | Korea Institute of Oriental Medicine | Korea |
| **Ungok Bonchohak** | 30 May 2004 | Seorimjae | Korea |
| **Coloured Resources Plants of Korea** | 5 Aug. 2003 | Hyangmunsa | Korea |
| **Cheongganguigam** | 2001 | Seongbosa | Korea |
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| --- | --- | --- | --- |
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| **Cheongganguigam** | 2001 | Seongbosa | Korea |

**3. Prescriptions**

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| **Cheongganguigam** | 2001 | Seongbosa | Korea |
| **www.tradimed.co.kr** |  |  | Korea |

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| Annex III |

□ Bibliography of the Agriculture and Life Techniques

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| --- | --- | --- | --- |
| **Bibliography** | **Year of Published** | **Publisher** | **Country** |
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| **Traditional Knowledge Collection books – Production use technique** | 1997 | Rural Development Administration | Korea |
| **Traditional Knowledge Collection books –Medicinal crop utilization** | 1997 | Rural Development Administration | Korea |
| **Traditional Knowledge Collection books – Hereditary resourcesⅠ- Animals, mulberry trees, microorganisms** | 1997 | Rural Development Administration | Korea |
| **Traditional Knowledge Collection books Hereditary resourcesⅡ- Planting seed** | 1997 | Rural Development Administration | Korea |
| **Traditional Knowledge Resource Practical Usage Report** | 2003 | Rural Development Administration | Korea |
| **Gyuhapchongseo - Traditional life skills** | 2003 | Rural Development Administration | Korea |
| **Traditional 2004 and Technology for Green Agriculture Collection Books – Food Crops** | 2004 | Rural Development Administration | Korea |
| **Traditional Knowledge and Technology for Environment-friendly Agriculture Collection Books – Garden Products** | 2004 | Rural Development Administration | Korea |
| **Traditional Knowledge and Technology for Environment-friendly Agriculture Collection Books - Livestock Products** | 2004 | Rural Development Administration | Korea |
| **Rural Area’s Traditional Oral Transmission Research and Practical Use** | 2007 | Rural Development Administration | Korea |
| **Ancient Agriculture Book for Modern Application Ongoijisin Vol. 1** | 2008 | Rural Development Administration | Korea |
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| **Ancient Agriculture Book for Modern Application Ongoijisin Vol. 4** | 2008 | Rural Development Administration | Korea |
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| **Ancient Agriculture Book Korean Translated Collection Books 1 - Saekgyeong** | 2001 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books2 - Nongjeongsinpyeon** | 2002 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books3 – Nongjeongseo** | 2002 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books4 - JeungbosallimgyeongjeⅠ** | 2003 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books5 – Jeungbosallimgyeongje Ⅱ** | 2003 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books6 - Jeungbosallimgyeongje Ⅲ** | 2004 | Rural Development Administration | Korea |
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| **Ancient Agriculture Book Korean Translated Collection Books 10 - NongjeonghoeyoⅠ** | 2005 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books 11 - NongjeonghoeyoⅡ** | 2006 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books 12 – Nongjeonghoeyo Ⅲ** | 2007 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books 13 - HaedongnongseoⅠ** | 2008 | Rural Development Administration | Korea |
| **Ancient Agriculture Book Korean Translated Collection Books 14 - HaedongnongseoⅡ** | 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](http://www.swsbm.com/ManualsMM/MedHerbGloss2.pdf) |
| [Annie’s Remedy (link is external)](http://www.anniesremedy.com/) |
| [Arctic Science Portal (link is external)](https://www.arctic.gov/portal/knowledge.html) |
| [Aromatic and Medicinal Plants Index (link is external)](http://www.hort.purdue.edu/newcrop/med-aro/toc.html) |
| [Ayurvedic Pharmacopoeia](http://www.ayurveda.hu/api.html) |
| [Botanical.com - A Modern Herbal](http://www.botanical.com/botanical/mgmh/comindx.html) |
| [Cacti Guide (link is external)](http://cactiguide.com/) |
| [Crane Herb Company](http://www.craneherb.com/shared/products/products_home.aspx?ua=3) |
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| [David Winston: Tradition & Science](http://www.herbaltherapeutics.net/) |
| [Dictionary of Natural Products (link is external)](http://dnp.chemnetbase.com/dictionary-search.do;jsessionid=9010F4E4CDAE3D7D94AFA49F8628024C?method=view&id=4889711&si=) |
| [Dispensatory of the United States of America](http://www.swsbm.com/Dispensatory/USD-1918-complete.pdf) |
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| [Drug Digest (link is external)](http://www.drugdigest.org/wps/portal/ddigest) |
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| [Eastern Chinese Medicine Export Company (link is external)](http://tcmtreatment.com/images/herb-supply/herb-price/three-lists.htm) |
| [Eclectic Materia Medica, Pharmacology and Therapeutics](http://www.swsbm.com/FelterMM/Felters.html) |
| [eMedicinal](http://www.emedicinal.com/default.php) |
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| [Find Me A Cure (link is external)](http://www.findmeacure.com/) |
| [Find Wild Flowers (link is external)](http://www.botanicalkeys.co.uk/flora/) |
| [Fungal Database (link is external)](http://nt.ars-grin.gov/fungaldatabases/) |
| [Germplasm Resources Information Network -  (link is external)](http://www.ars-grin.gov/npgs/aboutgrin.htm) |
| [Gernot Katzer's Spice Pages (link is external)](http://gernot-katzers-spice-pages.com/engl/index.html?redirect=1) |
| [Hawaiian Ethnobotany Online Database  (link is external)](http://data.bishopmuseum.org/ethnobotanydb/ethnobotany.php?b=list&o=1) |
| [Healing Secrets of Aboriginal Bush Medicine](http://www.bri.net.au/medicine.html) |
| [Henriette's Classic Herbal Texts](http://www.henriettesherbal.com/eclectic) |
| [Herb Formulas for Clinic and Home](http://www.swsbm.com/ManualsMM/Formulary2.pdf) |
| [Herbal Medicine Materia Medica (link is external)](http://www.healthy.net/scr/MMList.aspx?MtId=1) |
| [Himalaya Herbal Health Care (link is external)](http://www.himalayahealthcare.com/herbfinder/english.htm) |
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| [Korean Traditional Knowledge Portal (KTKP) (link is external)](http://www.koreantk.com/) |
| [Liber Herbarum (link is external)](http://www.liberherbarum.com/) |
| [Malta Wild Plants (link is external)](http://www.maltawildplants.com/) |
| [Materia Medica Vegetabilis Vol.I (link is external)](http://www.herbalstudies.net/_media/resources/library/MMV-I.pdf) |
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| [Medicinal Plants of North America](http://soilandhealth.org/wp-content/uploads/04.medical.library/0401.herbalmedicine/040132.Smith-The_Medicinal_Plants_of_North_America.pdf) |
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| [Memorial Sloan-Kettering Cancer Center](http://www.mskcc.org/mskcc/html/11570.cfm) |
| [Mushroom Nutrition  (link is external)](https://www.mushroomnutrition.com/) |
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| [Traditional Knowledge Digital Library – India (TKDL) (link is external)](http://www.tkdl.res.in/) |
| [University of California Online Archive of American Folk Medicine (link is external)](http://www.folkmed.ucla.edu/index.html) |
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| [Western United States Flora Checklists](http://www.swsbm.com/HOMEPAGE/Floras/Checklists.html) |
| [WHO: Medicinal Plants in the South Pacific  (link is external)](http://www.centerfortraditionalmedicine.org/uploads/2/3/7/5/23750643/medicinal_plants_in_the_south_pacific.pdf) |
| [World Health Monographs on Selected Medicinal Plants, Volume I (link is external)](http://whqlibdoc.who.int/publications/2002/9241545178.pdf) |
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Submission by Asociación Kunas Unidos por Napguana (KUNA) – Dated March 8, 2016

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 Asociación Kunas Unidos por Napguana (KUNA) – Dated August 5, 2016

Saludos y Éxitos

Tengo el gusto de contribuir como material de referencia la nueva Ley sobre Medicina Indígena, que el gobierno panameño adoptó este año. Esta nueva Ley ha sido trabajo de los congresos generales de los pueblos indígenas de Panamá, y de organizaciones indígenas, no ha sido obra del gobierno panameño. Durante 16 años se trabajó para que este sueño sea realidad, aunque el contenido de esta nueva ley no refleja todo lo que los pueblos indígenas queríamos, pero, se logró, para que nuestros conocimientos de medicina indígena tengan un respaldo legal, ante la biopiratería. Particularmente cada pueblo indígena en Panamá, protegen sus conocimientos, bajo protocolos comunitarios, en sus territorios

Sin más por momento, espero que sirva de experiencia este documento de nueva Ley N° 17 de 27 de junio de 2016.“Que establece la Protección de los Conocimientos de la Medicina Tradicional Indígena”.

Sin más por momento, gracias por su tiempo,

Atte,

Nelson De León Kantule

Asociación Kunas Unidos por Napguana (KUNA) Submission by the Phuthadikobo Museum

[**Ethiopia: Challenges to Biodiversity Conservation**](http://allafrica.com/stories/201603081067.html)AllAfrica.com

[**Kenya launches biodiversity and climate change strategy**](http://www.scidev.net/sub-saharan-africa/biodiversity/news/kenya-launches-biodiversity-climate-change-strategy.html)SciDev.Net-24 Feb 2016

[**Biopiracy: When corporations steal indigenous practices and patent *...***](http://www.theworldweekly.com/reader/view/magazine/2016-03-03/biopiracy-when-corporations-steal-indigenous-practices-and-patent-them-for-profit/6982)The World Weekly‑03 Mar 2016

[**Genetic Resources, Chromosome Engineering, and Crop ... - Page 38**](https://books.google.co.bw/books?id=inqUIXNxU-oC&pg=PA38&dq=genetic+resources+africa&hl=en&sa=X&ved=0ahUKEwjp0cTVrbHLAhXJiRoKHeDRDlg4ChDoAQhGMAg)[*https://books.google.co.bw/books?isbn=1420073842*](https://books.google.co.bw/books?isbn=1420073842)Ram J. Singh - 2011

[**Animal genetic resources and sustainable livelihoods**](http://www.sciencedirect.com/science/article/pii/S0921800903000880)S Anderson - Ecological Economics, 2003 – Elsevier

[**Shifts in African crop climates by 2050, and the implications for crop improvement and genetic resources conservation**](http://www.sciencedirect.com/science/article/pii/S0959378009000351)[MB Burke](https://scholar.google.com/citations?user=ppx71KUAAAAJ&hl=en&oi=sra), [DB Lobell](https://scholar.google.com/citations?user=biuzU-AAAAAJ&hl=en&oi=sra), [L Guarino](https://scholar.google.com/citations?user=4UHf-1EAAAAJ&hl=en&oi=sra) - 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**](http://link.springer.com/article/10.1007/s00122-003-1545-0)[A Hayati](https://scholar.google.com/citations?user=FWSxObEAAAAJ&hl=en&oi=sra), R Wickneswari, I Maizura… - … and Applied **Genetics**, 2004 – Springer

SD Tanksley, [SR McCouch](https://scholar.google.com/citations?user=GkvvVp8AAAAJ&hl=en&oi=sra) - Science, 1997 - science.sciencemag.org

[**The wild relatives of rice: a genetic resources handbook**](https://books.google.com/books?hl=en&lr=&id=cvKSmAOOFW8C&oi=fnd&pg=PP1&dq=genetic+resources+references&ots=hHwyGm3dKL&sig=wUZMmIEOQRoTISTg3jqL8CfrZQw)DA Vaughan - 1994 - books.google.com

[**Plant genetic resources: What can they contribute toward increased crop productivity?**](https://www.pnas.org/content/96/11/5937.full)

D Hoisington, M Khairallah, T Reeves… - Proceedings of the …, 1999 - National Acad Sciences

[**Hotspots: Earth's biologically richest and most endangered terrestrial ecoregions.**](http://www.cabdirect.org/abstracts/20013004766.html)RA Mittermeier, N Myers, CG Mittermeier, P Robles Gil - 1999 - cabdirect.org

[**The regime complex for plant genetic resources**](http://journals.cambridge.org/abstract_S0020818304582036)**.** [K Raustiala](https://scholar.google.com/citations?user=ODzz3uMAAAAJ&hl=en&oi=sra), [DG Victor](https://scholar.google.com/citations?user=rldXuDYAAAAJ&hl=en&oi=sra) - International organization, 2004 - Cambridge Univ Press

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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.

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