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9. ABSTRACT

This bibliography includes over three thousand references in both English and Spanish in such areas as documentation, evaluation, forest resources, forage grasses, and plant breeding. It contains more voluminous references on crop origins and their variation and evolution. Also included are relevant aspects of exploration, sampling theory, variation, adaptation, genecology, genetics, cytogenetics, ecophysiology, seed and tissue conservation. biochemistry, taxonomy, biosystematics, and archaeology, where these have a bearing on genetic resources. The literature on major staple food crops and important industrial crops is included. The literature on crops is focused on primitive forms and related wild species, as well as the taxonomy, origin, and evolutionary advances within the crops. The purpose of this emphasis was to help clarify the use which may be made of them by plant breeders now and in the future. Citations relating to cereals include literature on wheat, oats, rye, maize, barley, sorghum, and rice; for roots and tubers, potato, sweet potato, cassava, South American minor tubers, and aroids; for fibers, cotton; for sugar and starch plant, sugar cane, beets, and yams; for stimulants, tobacco, tea, coffee, and cocoa; for oil plants, sesame, sunflower, safflower, oil palm, peanut, coconut; for dates and other palms, Phoenix, etc.; for minor crop plants, chili peppers and rubber; for temperate fruits, vine; for tropical fruits, pineapple, citrus, durian, mango, banana, breadfruit; for vegetables, onion and garlic, brassicas, cucurbits, carrot, lettuce, tomato, phaseolus, broad

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bean, vigna, pea, soy, chickpea, lentil, and other tropical legumes. This bibliography is not intended to cover the entire field but to provide a basic survey of the relevant literature.

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Consultative Group on International Agricultural Research

INTERNATIONAL BOARD FOR PLANT GENETIC RESOURCES

A BIBLIOGRAPHY OF PLANT GENETIC RESOURCES

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PREFACE

This bibliography of plant genetic resources literature should be regarded as a preliminary coverage of a wide and rapidly expanding field. No bibliography can hope to include every reference in the literature, and this is especially true for a subject which ranges over so many disciplines. Although there are obvious core topics, it is not so easy to draw exact boundaries in the subjects which link into them, such as ecology, genetics, plant breeding, practical agriculture, phytopathology and entomology.

We have therefore decided to exclude all but general references in areas such as documentation, evaluation, forest resources, forage grasses and plant breeding, whilst on the other hand we have included as many references as possible on crop origins and their variation and evolution. We have also included the obviously relevant aspects of exploration, sampling theory, variation, adaptation, genecology, genetics, cytogenetics, ecophysiology, seed and tissue conservation, biochemistry, taxonomy, biosystematics and archaeology, where these have a bearing on genetic resources. This was necessary to understand patterns of variation and for taking practical and immediate action towards their conservation, documentation and utilisation. Furthermore we have included works on the logistics and organisation relevant to such work on a national, regional and global basis.

We have attempted to cover the major staple food crops of the world as well as important industrial crops. The criteria for assessing their relative importance have not been based solely on total global production, but more on their value for genetic resources and potential utilisation. We thus offer our apologies for not including all the minor crops and many of the tropical fruits, fibre crops, oil plants, spices and condiments, local tropical pulses and leafy vegetables.

To include references on all the genetical, plant breeding and evaluation work for each major crop would have been an impossibly large task, and one which is hardly relevant for this type of survey. Rather, we have tried to draw attention to works on primitive forms and related wild species, as well as to the taxonomy, origin and evolutionary advances within the crops themselves, so as to help clarify the use which may be made of them now and in the future by plant breeders.

If this bibliography proves of interest, an updated and extended edition may be of value in the future. For the present we have tried to provide a basic survey of the relevant literature in the hope that it will help to advance the knowledge and understanding of genetic resources conservation and utilisation throughout the world.

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J.T.W.

J.H.

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NOTES ON FORMAT

The format of this bibliography is designed to list references both under general subject areas and under specific crops, with as much cross-referencing between the two as we consider necessary. The arrangement of the crops mainly follows that found in Plant Breeding Abstracts, though with three exceptions:-

1. Beta - These are all included under sugar plants and not divided between root crops, sugar crops and vegetables.

2. Brassica - These have been kept together under vegetables and not divided between vegetables and oil plants.

3. Temperate Rosaceous tree fruits (Pyrus, Malus, Prunus, etc.) have been kept together under a single section (including others, e.g. Ficus), since many references deal with more than one genus at a time. This would therefore have involved us in more cross-referencing than was felt to be justified.

A three letter code has been given to each crop and a key is given in the Contents, pages vi and vii, and in alphabetical order on page x. Cross-referencing has been provided by an addition of lists at the end of each section. However, those references which are of major importance for more than one topic have been entered twice.

The abbreviations for journals follow those used in 'The World List of Scientific Periodicals', except for somewhat obscure or rare references which are quoted in full.

References have been included only when they are available in major libraries. Theses and unpublished reports have been excluded except when they are considered to be of major relevance.

ABBREVIATIONS

		Page
ALL	Allium	161
ANA	Ananas	154
ARA	Arachis	143
ARO	Aroids	122
ART	Artocarpus	160
AVE	Avena	85
BET	Beta	130
BRA	Brassica	163
CAP	Capsicum	147
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CIT	Citrus	155
COC	Cocos	145
COF	Coffea	136
CUC	Cucurbita, Cucumis, Citrullus and Lagenaria	166
DAU	Daucus	167
DIO	Dioscorea	132
DUR	Durio	157
ELA	Elaeis	142
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HEV	Hevea	149
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IPO	Ipomoea	119
LAC	Lactuca	168

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LEN	Lens	178
LYC	Lycopersicon	169
MAG	Mangifera	157
MAN	Manihot	120
MUS	Musa	158
NIC	Nicotiana	134
OIL	Oil plants : general	139
ORY	Oryza	102
PAL	Dates and other palms (Phoenix, etc.)	147
PHA	Phaseolus (New World)	171
PIS	Pisum	175
SAC	Saccharum	127
SEC	Secale	87
SES	Sesamum	140
SOL	Potato (Solanum)	109
SOR	Sorghum	98
TEF	Temperate fruits	149
THB	Theobroma	138
THE	Thea	136
TRF	Tropical fruits : general	153
TRI	Triticum and Aegilops	76
TRL	Other tropical legumes	178
TUB	South American minor tubers	121
VIC	Vicia faba	173
VIG	Vigna (including Asiatic Phaseolus)	173
VIT	Vitis	152
ZEA	Zea, Tripsacum and Euchlaena	89

SECTION I

SUBJECT AREAS

GENETIC RESOURCES - GENERAL

A1 Abramov, I.I. et al. (editorial board) Topics of reports at the fifth delegate congress
1973 of the All Union Botanical Society. Kiev, Academy of Sciences of the USSR, Ukranian Academy of Sciences. 383p.

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