Texas A&M University
Office of Graduate Studies
Graduate Faculty Personal Record Form
(Submit original with vitae only)

Nominating Department: Horticultural Sciences
Mail Stop: 2133

1. Name of Nominee: Xinwang Wang
2. Department of Nominee: Horticultural Sciences
3. Academic Rank or Position Title: Assistant Professor
4. Date of Appointment to Texas A&M University: Jan. 2009
5. Location (if not on campus): Texas AgriLife Research and Ext.
6. Email Address of Nominee: xw-wang@tamu.edu
7. UIN (if TAMUS): 519-00-2859  SSN (if not TAMUS): __
8. Tenured or Tenure Track □ Yes [ ] No
9. Gender [ ] Male  [ ] Female
10. Membership Type (check one)
   [ ] Member
   [ ] Associate Member
   [ ] Adjunct Member
   [ ] Special Appointment – Please include the purpose of the appointment (i.e. specific student’s NAME and UIN or specific course and semester)
   Student Name: ___________  Student UIN: ___________
   OR Course Number: ___________  Semester to be Taught: ___________

11. Educational Background (Please specify advanced degrees received)

<table>
<thead>
<tr>
<th>Degree</th>
<th>Institution</th>
<th>Date Awarded</th>
<th>Major Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A.</td>
<td>Huazhong Agricultural University</td>
<td>June 1986</td>
<td>Plant Genetics &amp; Breeding</td>
</tr>
<tr>
<td>M.S.</td>
<td>Henan Agricultural University</td>
<td>June 1990</td>
<td>Plant Genetics &amp; Breeding</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>China Agricultural University</td>
<td>June 1998</td>
<td>Plant Genetics &amp; Breeding</td>
</tr>
</tbody>
</table>

Signature Requirements:
The Department Head signature is required on all requests. The Graduate Instruction Committee Chair and Dean of College signatures are required on all requests for Associate Membership, Adjunct Membership, and on all requests for non-tenure track faculty or staff (with the exception of requests for special appointment, which require the signature of the Department Head only).

Approval Recommended:

Head of Department

Graduate Instruction Committee Chair

Dean of College

Dean of Graduate Studies

Revised 08/07
Summarized from the Vita, present evidence that

(a) the nominee

(1) has taught a graduate class,

<table>
<thead>
<tr>
<th>Title</th>
<th>Institution</th>
<th>When/Times Taught</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Statistics and Application</td>
<td>Henan Agricultural Univ</td>
<td>1988 - 1</td>
</tr>
<tr>
<td>Molecular Breeding in Crops</td>
<td>China Agricultural Univ</td>
<td>1997 - 1</td>
</tr>
</tbody>
</table>

(2) has actively served on a graduate student's advisory committee,

<table>
<thead>
<tr>
<th>Student</th>
<th>Institution</th>
<th>Degree</th>
<th>Major</th>
</tr>
</thead>
</table>

(3) has held a definite administrative assignment in the graduate program of a university; and that

(b) the nominee has published a scholarly work as primary author (or, in the case of a professional discipline, has exhibited appropriate evidence of professional accomplishment).  (Most notably list refereed scientific articles as primary author.)

XINWANG WANG

Assistant Professor
Texas AgriLife Research and Extension Center
Texas A&M System
17360 Coit Road
Dallas, TX 75252-6599

Phone: 972-952-9619
Fax: 972-952-9216
Email: xw-wang@tamu.edu

EDUCATION
1998. Ph.D., Plant Genetics and Breeding, China Agricultural University. (Beijing, China)
1990. MS, Plant Genetics and Breeding, Henan Agricultural University (Zhengzhou, China).
1986. BA, Plant Genetics and Breeding, Huazhong Agricultural University (Wuhan, China).

PROFESSIONAL EXPERIENCE
Jan.2009—present. Assistant professor. Texas AgriLife Research and Extension Urban Solutions Center. Dallas, TX
♦ Ornamental plants (crape myrtle and rose) development and breeding.
♦ Evaluation of existing genetic resources for disease and pest resistance; heat, drought, cold hardness, salinity and alkalinity tolerances
♦ Molecular marker development and molecular ID establishment for ornamental genetic resources.
♦ Genetic and cellular tools development for ornamental plants and gene isolation of useful traits.

Jul.2004—Dec 2008. Postdoctoral research associate. Department of Entomology and Plant Pathology, the University of Tennessee, Knoxville, TN.
♦ Microsatellite discovery in flowering Dogwood (Cornus florida L.).
♦ The diversity analysis with microsatellite markers in different dogwood varieties and lines.
♦ Genomic comparison between Cornus florida and Cornus kousa.
♦ Microsatellite linkage map construction in flowering dogwood (Cornus florida L.).

♦ AFLP linkage and physical map constructions in model legume Lotus.
♦ Trained two trainees and visiting researchers.
♦ SSR library construction and polymorphism analysis in azuki bean.

♦ The mapping of a powdery mildew resistant gene (Pm20) in common wheat.
CURRICULUM VITAE – Xinwang Wang

Instructed two master students for lab experiments and one trainee from other university.


- Teach one specific topic “Molecular Breeding in Plants” for senior college students.
- Teacher assistant of wheat breeding for undergraduate students.


- PI of a plant physiological project sponsored by Henan Science and Technology Committee.
- Cotton breeding.
- Extension of developing new agricultural technologies in Shangqu City, Henan Province.
- Served as a regular writer for Henan Science and Technology Newspaper.


- Extension of new agricultural science and technology applications.
- A team leader of six of a program “Development and Extension of Hybrid Rice in Xinzhou County, Wuhan, China”.

HONORS AND AWARDS

2006 One national patent submission (USA): A novel approach to identifying simple sequence repeats (SSRs) or microsatellites.
1997 A University President award in the China Agriculture University.
1995 A Third Award of Science and Technology of State, China.
1994 A Second Award of the Science and Technology of Henan Province, China.

TEACHING EXPERIENCE

1988. Teaching assistant, graduate course “Basic Statistics and Application on Crops”, including as lecturer of half semester.
1996. Teaching assistant, undergraduate course “Basic Principles of Plant Breeding”.
1997. Teaching assistant, graduate course “Molecular Breeding in Crops”.

RESEARCH INTERESTS:

- Breeding, development and improvement of cultivars of ornamental species (crape myrtle, rose and hibiscus etc.) by molecular and traditional methodologies.
- Wild germplasm collection, evaluation and application to enhance breeding gene pool.
- Ornamental genomic mapping and identification of molecular markers closely associated with important horticultural traits.
CURRICULUM VITAE – Xinwang Wang

• Marker-assisted breeding and map-based cloning of important genes from ornamental species to accelerate breeding process.
• Use of genetic transformation tools to manipulate or engineer ornamental species against environmental stress (cold hardiness, drought, salinity/alkalinity etc.) and insect and pathogen damages.
• I am also interested in getting involved in ornamental horticulture training and local/ national/international marketing.

SCIENTIFIC ASSOCIATIONS:
• Member, Japanese Society of Plant Breeding (2000-2004)
• Member, America Society of Plant Physiology (ASPB)
• Member, American Society for Horticultural Science (ASHS)

PROFESSIONAL ACTIVITIES
1. Social associations
• Member of Japanese Society of Plant Breeding (2000-2004).
• Member of American Society of Plant Biologists (ASPB)
• Member of the American Association for the Advancement of Science (AAAS).
• Member of the American Society for Horticultural Science (ASHS).

2. Journal reviewers
• Journal of HortScience
• Mycopathologia
• Journal of American Society of Horticultural Science
• Plant Sciences
• The 3rd International Symposium on Bio- and Medical Informatics and Cybernetics (BMIC 2009 reviewer)
• Student Research Poster Competition at the 2010 Texas A&M AgriLife Conference, College Station (judge)

PUBLICATIONS
Peer-reviewed publications:


Abstracts and Presentations:


BOOK CHAPTER: