

CURRICULUM VITAE

Name: Yoon Jeong BAEK
E-mail yjbaek98@snu.ac.kr / yjbaek98@gmail.com
Present address: Dept. of Textiles, Merchandising and Fashion Design,
College of Human Ecology, Seoul National Universtiy,
Room #733, Bld. 222, 1 Kwanak-ro, Kwanak-gu, Seoul, 151-742
Republic of Korea

Education

1994-2003 Ph. D. Graduate School of Human Ecology, Seoul National University.
Dissertation: Permissible safety limits in garment pressure focused on the
parts of human body. Work supervised by Professor Jeongwha Choi.

1992-1994 Master, Graduate School of Agriculture and Life Science,
Seoul National University.
Master thesis: Effects of Ondol system on human thermoregulatory
responses. Work supervised by Professor Jeongwha Choi.

1987-1992 Bachelor's degree, Department of Agricultural Home Economics, College
of Agriculture and Life Science, Seoul National University.
Awarded the degree of BSc for a thesis entitled: A study on the research
trends of textiles and clothing in Korea until 1986.

Research and Professional Experiences

2016-Present Research Assistant Professor,
Research Institute of Human Ecology

2014-2014 BK Assistant Professor,
Department of Textiles, Merchandising and Fashion Design, College of
Human Ecology, Seoul National University.

2009-Present License of Manufacturing & Import Manger of Medicine and Medical
2009-2013 Supplies of Korea, Korea Food & Drug Administration.
Director, Institute of Human Science, PnTD Corp., Ltd.

2005-2009 Research Scientist, National Institute of Agricultural Science and
Technology, Rural Development Administration of Korea.

Teaching Experiences

Mar.2005- Feb.2009 Adjunct Professor, Department Fashion Design and Business, College of
Natural Science, Daejeon University.
Teaching Classes: Clothing and Environment, Functional Clothing, Sports
Design, Pattern Making in Basic, Designing Protective Clothing, Textiles,
Basic of Clothing Materials, Textiles for Designers, Advanced in
Environment and Clothing, Fashion Show for Graduation, etc.

Sep.2007-Feb.2008 Lecturer, Department of Fashion Design, College of Arts and Design,
Kyunghee University.
Teaching Class: Environment & Protective Clothing.

Mar.1995-Feb.2003 Lecturer, Department of Home Economics Education, College of
Education, Kangwon National University.
Teaching Classes: Basic Pattern Making, Advanced in Pattern Making,
Clothing and Environment, Clothing Science, Textiles for Teachers, etc.

Projects Fund

- Jun. 2017-Feb.2020 Project Charger, Titled” Evaluation index of the thermal insulation for padded garments” Funding Sources: Ministry of Education.
- Jun.2012-Oct.2013 Chief Project Leader, Titled “Development of heat protective garment with carbonized fiber, FR rayon, & aramid fiber (Project Code:S2048086)”. Funding Sources: Ministry of Commerce, Industry and Energy. Fund Amount: 670,000,000won.
- Jun.2011-May.2013 Chief Project Leader, Titled “Development of the eco-friendly multi-functional health care textile products using natural/synthetic fused fibers with anti-microbial, flame-retardant and UV shielding properties (Project Code:10039461)”. Funding Sources: Ministry of Commerce, Industry and Energy. Fund Amount: 2,188,000,000won.
- Sep.2007-Aug.2008 Project Charger, Fostering Next-generation Researchers Program, Titled “Research of the body shape of Korean farmers”. Funding Sources: Ministry of Education. Fund Amount: 28,000,000won.

Publications (Journal)

24. **YJ Baek**, D Jung, SY Son, JY Lee (2017). Comparisons between Shikoro-type helmet with no hood and typical fire protective helmets with hood in a hot and humid environment. *Ergonomics*, 17,1-9 DOI:10.1080/00140139.2017.1353707
23. D Kim, **YJ Baek**, & JY Lee (2016). Contemporary research to standardize the development and test methods for performance of pesticide protective clothing. *Korean Journal of Human Ecology*, 25(2), 185-205
22. HH Lee, S Shin, JY Lee & **YJ Baek** (2015). Survey on the actual wearing conditions of naval duty uniforms in naval vessels. . *Fashion & Textiles Research Journal*, 17(4), 646-656.
21. Y. Kim, J Won, K Kim, S Kim, **YJ Baek** & & JY Lee (2015). Comparisons of thermal insulations between on air-cell packs embedded jacket and down jackets. *Journal of Korean Society of Clothing and Textiles*, 39(1), 39-46.
20. **YJ Baek**, S Shin & JY Lee (2014). Preference for clothing habits and its relationships with thermal tolerance in indoor temperatures recommended in summer and winter. *The Korean Society of Community Living Science*, 21(5), 706-721..
19. **YJ Baek** & JH Shin (2014). Risk Points of Flame Retardant Textiles by Halogen and Halogen- free Laminating Film. *Material Science and Application*, 5, 830-836.
18. **YJ Baek**, SJ Park, HH Lee, YS Son & JY Lee (2014). Preference of health care professionals for medical gowns by their work. *Fashion & Textiles Research Journal*, 16(3), 469-475.
17. S Kim, YJ Jang, **YJ Baek** & JY Lee (2014). Influence of partial components in firefighters’ personal protective equipment on subjective perception. *Fashion and Textiles*, 1:1

16. YJ Lee, S Kim, YJ Jang, **YJ Baek** & JH Park (2014). Component contribution of personal protective equipment to the alleviation of physiological strain in firefighters during work and recovery. *Ergonomics*(Published online 29. Apr. 2014 doi: 10.1080/00140139.2014.907449(2012 IF:1.674)
15. JH Shin & **YJ Baek** (2012). Analysis of polybrominated diphenyl ethers in textiles treated by brominated flame retardants. *Textile research Journal*, 82(13), 1307-1316.
14. YW Kim & **YJ Baek** (2009). Distribution of the Garment Pressure by Postures, *Journal of Korean Society of Clothing and Textiles*, 33(5), 775-781.
13. KS Hwang, KS Lee, KR Kim, HC Kim & **YJ Baek** (2008) An Experimental Study on the Thermal Physiological Response in the Pesticide Proof Clothing Textile Materials for a Fruit- grower. *Journal of Korean Society of Clothing and Textiles*, 32(11), 1792-1801.
12. **YJ Baek** & JW Choi (2008). Determination of the Garment Pressure Level Using the Elastic Bands by Human Body Parts. *Journal of Korean Society of Clothing and Textiles*, 32(10), 1651- 1658.
11. **YJ Baek** & KS Lee (2008). Characteristics of the Body Shape of Korean Woman Farmers by Crops. *Journal of Korean Society of Clothing and Textiles*, 32(10), 1584-1594.
10. **YJ Baek**, KS Hwang, KR Kim, HC Kim & KS Lee (2008). Characteristics of the Somatotypes of Korean Farmer. *Journal of Korean Society of Clothing and Textiles*, 32(3), 431-442.
9. **YJ Baek** & JW Choi (2007). Selection of the Measurement Points for Garment Pressure of the Girdle and the All-in-one. *The Korean Society of Community Living Science*, 18(4), 609-616.
8. KS Hwang, KR Kim, KS Lee, HC Kim, KS Kim & **YJ Baek** (2007). The Textiles and the Performance Level in Developing the Pesticide Proof Clothing. *Journal of Korean Society of Clothing and Textiles*, 31(11) , 1611-1620.
7. **YJ Baek**, KS Lee & JW Choi (2007). Selection of the Measurement Points for the Garment Pressure of the Brassier and the Waist-Nipper. *The Korean Society of Community Living Science*, 18(3), 445-454.
6. KS Lee, JW Choi, KR Kim & **YJ Baek** (2007). The Status of Agricultural Diseases, Injuries and Accidents among the England, the USA, the France, the Japan, and the Korea. *The Korean Society of Community Living Science*, 18(1), 189-204.
5. KS Lee, JW Choi, KR Kim, HC Kim & **YJ Baek** (2007). The government official support status of the agricultural diseases, injuries and accidents among Korea and foreign countries and the implication of the agricultural policy of Korea. *Journal of Korean Society of Occupational Environmental Hygiene*, 17(2), 89-100.
4. JW Choi & **YJ Baek** (2000). Development the protective clothing for a dropworts cropping workers. *Journal of Korean Society of Clothing and Textiles*, 24(8), 1266-1275.
3. WK Son & **YJ Baek** (1999). Effects of garment types on thermal insulation using a

thermal manikin. Journal of Korean Society of Clothing and Textiles, 23(8), 1110-1118.

2. JW Choi & **YJ Baek** (1995). UV ray protective function and wear sensation of garment for plastic house worker. The Korean Society of Community Living Science, 6(1), 25-30.
1. **YJ Baek** & JW Choi (1994). Effects of Ondol system on human thermoregulatory responses. Journal of Living Environment System, 1(1), 63-72.

Publications (Book)

1. EK Lee, YW Kim, JY Kim, HK Kim & YJ Baek (2008). Shop Master. Kyohanksa, Seoul, ISBN: 9788935404216(8935404217)

Intellectual Property Rights (Patents etc.)

11. [Patent in Korea] Composite yarn fabric having improved heat resistance and a method for preparing the same
 - Inventors: **YJ Baek** & JH Park.
 - No. of Registration(Application No.) : 10-14046430000(10-2013-0030801)
 - Date of registration: 2014.05.30
10. [Patent in Korea] Device for sewing
 - Inventors: **YJ Baek** & JH Park.
 - No. of Registration(Application No.) : 10-13118450000(10-2013-0024095)
 - Date of registration: 2013.09.17
9. [Patent in Korea] Device for sewing
 - Inventors: **YJ Baek** & JH Park.
 - No. of Registration(Application No.) : 10-13118440000(10-2013-0024094)
 - Date of registration: 2013.09.17
8. [Patent in Korea] Electromotion trim scissors
 - Inventors: KS Lee, HC Kim, HS Choi, YS Park, KR Kim, KH Jeon, KW Kim, **YJ Baek**, DS Im, & SY Jeong.
 - No. of Registration(Application No.) : 10-11667000000(10-2010-0032290)
 - Date of registration: 2012.07.12.
7. [Patent in Korea] Prevention Wear
 - Inventors: KS Lee, HC Kim, HS Choi, YS Park, KR Kim, KH Jeon, KW Kim, **YJ Baek**, DS Im, & SY Jeong.
 - No. of Registration(Application No.) : 20-4614470000(20-2010-0007238)
 - Date of registration: 2012.07.06.

6. [Patent in Korea] Photographing apparatus for analyzing face image
 - Inventors: KS Lee, HC Kim, HS Choi, YS Park, KR Kim, KH Jeon, KW Kim, **YJ Baek**, DS Im, & SY Jeong.
 - No. of Registration(Application No.) : 10-10821590000(10-2011-0090137)
 - Date of registration: 2011.11.03
5. [Patent in Korea] Apparatus and method for measuring and analysis of hand
 - Inventors: **YJ Baek**, KS Lee, KR Kim, HC Kim, & KS Hwang.
 - No. of Registration(Application No.) : 10-10552590000(10-2010-0028707)
 - Date of registration: 2011.08.02.
4. [Patent in Korea] farm-working fabric for preventing contamination and method for manufacturing the same
 - Inventors: KR Kim, KS Lee, HC Kim, KH Ko, KS Hwang & **YJ Baek**.
 - No. of Registration(Application No.) : 10-10251010000(10-2010-0010682)
 - Date of registration: 2011.03.18
3. [License of Program in Korea] Data analysis program from 2D hand measurement system
 - Inventors: **YJ Baek**, KS Lee, KR Kim, HC Kim & KS Hwang.
 - No. of Registration : 2007-01-122-005758
 - Date of registration: 2008.12.30
2. [Patent in Korea] Apparatus for measuring clothing pressure
 - Inventors: JW Choi & **YJ Baek**.
 - No. of Registration(Application No.) : 10-509368000(10-2003-0038895)
 - Date of registration: 2005.08.23
1. [Patent in Korea] Clothes for protection against the cold
 - Inventors: JW Choi, SK Whang & **YJ Baek**.
 - No. of Registration(Application No.) : 20-02831750000
 - Date of registration: 2002.07.11