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SPORTS  
**SCI-TECH**  
PUBLIC HEALTH  
ENVIRONMENT

HISTORY  
WOMEN  
TOURISM  
SOUTH KOREA

KOREA'S REUNIFICATION  
OVERSEAS KOREANS  
WORLD  
FOREIGN RELATIONS



[Home](#) > [Sci-Tech](#)

Search  ☒



### With inquiring mind :: [2016-04-27]

A girl student was awarded a prize amid the thunderous cheers of many young scientists, technicians, lecturers and students at the exhibition of sci-tech hits of youth and students held in January to mark the 70th anniversary of the Kim Il Sung Socialist Youth League. Her invention, anion generating material and the method of its usage, was highly appreciated and it was unbelievable that a student developed it. The inventor of this idea is Paek Mi Hyang, student at Kim Il Sung University. ▶▶

[2015-04-11]

## In keeping with green era

The architectural eng-ineering branch of the State Academy of Sciences has stepped up the development and introduction of advanced technologies.

They include the zero energy technology that provides buildings with energy by using the buildings themselves or the resources within their sites, the zero carbon technology that reduces the emission of carbon dioxide to the lowest possible level and the green technology that focuses on environment, minimizes energy consumption and ensures the convenience of people in living.

To this end, the designers intensify research into selecting right building site, fixing its direction properly and ensuring its structural proportion and convenience for traffic.

Other research projects include the introduction of a geotherm-based ventilating system for making rational use of thermal energy in the heating system, building up of water-saving facilities and system, the separation and collection of garbage, recycling of wastes from the water supply and drainage system and the use of rainwater collected on the roof in greening.

In research into creating green environment, efforts are being made to introduce horizontal and vertical greening.

The researchers also work on the development of environment-friendly building materials and their application into production and building operations.

They strive to introduce an intelligent architectural technology in order to apply plastic arts to architecture and make it artistic and scientific in line with the requirements of the present times.

"Our branch will research and develop more architectural technologies in keeping with the trend of the times moving towards a green era," said researcher Kim Kum Song.

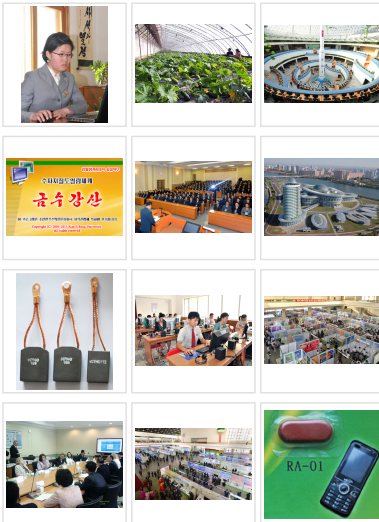
By **Kim Hyon Uk** PT



**The front view of the Kwangmyong LED and Solar Cell Factory applied with green architectural technology.**

KCNA

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