

Hsin-Chen Chen

MSc student in NTU

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■ Education

2018-now > MSc student in National Taiwan University (NTU)

2014-2018 > BSc in Forestry and Resource Conservation, NTU

Minor: Horticulture and Landscape Architecture (GPA: 4.03/4.3)

■ Research & Lab Experience

2016-now > Being a Lab member of BIOCOMP, laboratory of Dr. Feng-Cheng Chang, NTU School of Forestry and Resource Conservation

2017.7-2018.3 > Completed Undergraduate Research Program, Ministry of Science and Technology

□ Conference Paper

2019.6 > Poster presented (first author) in 2019 International Conference on Nanotechnology for Renewable Materials (TAPPI Nano 2019), Chiba, Japan

[Title: Effects of Nanocellulose Formulations on Hygroscopic and Mechanical Properties of Aquazol/nanocellulose Biocomposites]

2019.6 > Poster presented (third author) in 2019 International Conference on Nanotechnology for Renewable Materials (TAPPI Nano 2019), Chiba, Japan

[Title: Crosslinking and Carbonization of Electrospun Lignosulfonate Fiber]

2018.10 > Oral presented (first author) in The Fourteenth Pacific Rim Bio-Based Composite Symposium, Makassar, Indonesia

[Title: Feasibility of Using Nanocellulose Composites for Artwork Conservation]

2018.10 > Poster presented (second author) in 2018 Symposium of The Chinese Forestry association, Taipei, Taiwan

[Title: Using Nanocellulose to Produce Aerogel and Carbonized Aerogel products]

□ Project participation

2019-now > Nanocellulose-waterborne polyurethane composites (Thesis project)

2017-2019 > Nanocellulose polymeric composites for conservation

2017-2018 > Cellulose nanofiber-based aerogel production

2016-2017 > Bamboo-based nanocellulose whiskers acid hydrolysis

■ Research Interests

Nanocellulose composite materials

Bio-based polymers

■ Other Experience

2019.8-now > Acted as a master research assistant in "High-value Advanced Green Material Research Center" of NTU

2018.9-2019.1 > Acted as a teaching assistant in [Forest Products and Practice]

2018.9-2019.1 > Acted as a teaching assistant in [Wood Anatomy and Lab]

2017.3 > Headed the forest product narrator team of NTU Azalea Festival

2017.8 > Being a speaker of the forest product course in 2017 NTU Forest Camp for high school students

■ Awards

2017 > College Student Research Scholarship, Ministry of Science and Technology

2017 > SUN, HAI Cultural Foundation Scholarship

2017 > 2017-2 NTU Academic Excellence Award (for ranking top four in class in semester)

2017 > 2017-1 NTU Academic Excellence Award

2016 > 2016-2 NTU Academic Excellence Award

2016 > WANG, ZI-DING Forestry Scholarship

2015 > 2015-2 NTU Academic Excellence Award

