FARAH NADIA BINTI MOHAMMAD PADZIL

Doctor of Philosophy (Materials Science)

OBJECTIVE

To work in established university/company as a lecturer/postdoctorate/researcher where I can learn and gain as well as contribute knowledge and experiences for career advancement.

PERSONAL PARTICULARS

Name: Farah Nadia Binti Mohammad Padzil
Current Position: Philosophy Doctorate of Materials Science (Biomass)
Age: 28 years old
NRIC: 900316-08-5746
Date of birth: March 16, 1990
Gender: Female
Religion: Muslim
Nationality: Malaysia
Marital Status: Single
Graduate: 2016
Author profiles in Google Scholar: Farah Nadia Binti Mohammad Padzil

ADDRESSES AND CONTACT NUMBER

Correspondence Address:
Bioresource & Biorefinery Laboratory,
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ACADEMIC & PROFESIONAL QUALIFICATION

2012 – 2016	Ph.D. Student in Bioresources & Biorefinery Research Group, The School of Applied Physics, Faculty of Science and Technology, National University of Malaysia, Ph.D. in Materials Science.
2009 – 2012	Bachelor's Degree (Hons) Materials Science, School of Applied Physics, Faculty of Science and Technology, National University of Malaysia (UKM)
2008 – 2009	Centre for Foundation Studies in Science, University of Malaya (PASUM)
2003 – 2007	Sekolah Seri Puteri (SSP), Cyberjaya (secondary school)
1997 – 2002	Sekolah Rendah Kebangsaan Jalan 2, Bandar Baru Bangi (primary school)

EMPLOYMENT HISTORY

(1)
Dates Employes : 15/2/2018 – recent
Position : Postdoctoral Researcher
Organisation : Laboratory of Biopolymer & Derivatives (BADs)
Institute of Tropical Forestry and Forest Products (INTROP)
Universiti Putra Malaysia (UPM)
Supervisor's details : Assoc. Prof. Dr. Hidayah Ariffin (+60126790378)

(2)
Dates Employes : 13/11/2016 – 13/9/2017
Position : Researcher
Organisation : Erasmus Mundus (ALFABET program – SGGW, Poland)
Supervisor's details : Dr. hab. Mariusz Maminski (+48225938527)

(3)
Dates Employes : 15/8/2016 – 27/9/2016
Position : Assistant manager (contract)
Organisation : Breadtimes Bakery Putrajaya, Nasz Biz Enterprise.
Supervisor's details : En. Haizad (+60193970209)

(4)

Dates Employes : 1/3/2016 – 31/5/2016
Position : Research assistant (RA) (contract)
Organisation : Bioresources & Biorefinery Research Group, Materials Science Program, School of Applied Physic, Faculty of Science & Technology, UKM.
Supervisor's details : Prof. Dr. Sarani Zakaria (+60197363064)

SKILLS

Languages:

Languages	Writing	Speaking	Reading
Malay	Excellent	Excellent	Excellent
English	Good	Good	Good
Korean	Minimal	Minimal	Minimal
Japan	Minimal	Minimal	Minimal
Polish	Minimal	Minimal	Minimal

Computer Literacy:

Good in using Microsoft Office Word, Microsoft Office Excel, Microsoft Office Power Point, SigmaPlot, EVA software, and XPert Highscore. I can also use Adobe Photoshop and Microsoft Office Publisher.

Strengths:

- Good research abilities.
- Disciplined and responsible to do assignment or task.
- Easy to co-operate with other people
- Quick- learner and high self-esteem.
- Time management skills and dependable.
- Energetic and adaptable to different environment.
- Good organisational skills and teamwork.
- Able to communicate and write in Malay and English.

ACHIEVEMENTS

- Participated in International Conference Safe Biopack 2018, INTROP, UPM.
- Participated in KTappi International Conference 2015 (Korea)
- Participated in International Biomass Conference 2015
- Participated in PECIPTA 2015 KLCC 4-6 DEC 2015 (competition – Bronze medal)
- Participated in International Conference on Chemical Engineering & Industrial Biotechnology 2013
- Participated in UKM Colloqium 2013
- Have knowledge about Plastic Injection Moulding Machine, I had attended a Plastic Injection Moulding Machine and ISO Requirement Course at The Center for Instructor and Advanced Skill Training (CIAST), Malaysia.

CO- CURRICULUR ACTIVITIES

1. Committee members International Conference Safe Biopack 2018, INTROP, UPM.
2. Committee members of Conference Bioresource & Nano- Technology 2015
3. Chairman of Motivation Program for Badan Kaunselor Rakan Sebaya, Kolej Ungku Omar, (UKM) 2010.
4. Deputy Chairman of Program Penerokaan Dimensi Akhlak Baru, Material Science Club (UKM).
5. Committee members of National Day event for KARISMA (UKM) 2009.
6. Committee members of Silat Seni Gayung Fatani Club (UKM).
7. Committee members of Badan Kaunselor Rakan Sebaya (BKRS), Kolej Ungku Omar .
8. Committee Members for 'Program Eksplorasi Siswa'.
9. Committee Members for the 'Induksi dan Permurnian Mentor Mentee, Program Permulaan Kembara Baru'.

EXTRA – CURRICULAR ACTIVITIES

1. Ten months research attachment at Warsaw University of Life Science (SGGW), Warsaw, Poland under Erasmus Mundus (ALFABET) Scholarship Program 2016 - 2017.
2. Three months research attachment at Chungnam National University (CNU), Daejeon, South Korea 2015.

PUBLICATIONS

1) **Farah Nadia Mohammad Padzil**, Hidayah Ariffin, Sarani Zakaria, Piotr Boruszewski, Krzysztof J. Krajewski & Mariusz L. Maminski (2018). Effect of poplar cultivar "Hybrid 275" fiber impregnation with 1,3-dimethylol-4,5-dihydroxyethyleneurea on the properties of high density fiberboards. *BioResources* 13(4): 7470-7480.

2) **Farah Nadia Mohammad Padzil**, Sinyee Gan, Sarani Zakaria, Siti Fatahiyah Mohamad, Nor Hasimah Mohamed, Yung Bum Seo, Chin Hua Chia, Hatika Kaco, Rueyshan Chen & Amanda V. Ellis. (2018). Increased solubility of plant core pulp cellulose for regenerated hydrogels through electron beam irradiation. (accepted 5/7/2018 - Cellulose Journal)

3) **Farah Nadia Mohammad Padzil**, Sarani Zakaria, Chin Hua Chia, Sharifah Nabihah Syed Jaafar, Hatika Kaco, Sinyee Gan & Peivun Ng. (2015). Effect of acid hydrolysis on regenerated kenaf core membrane produced using aqueous alkaline–urea systems. *Carbohydrate Polymers* 124: 164-171.

4) Szymon Janowski, **Farah Nadia Mohammad Padzil** & Mariusz Maminski (2017). Doping of urea-formaldehyde resin with quebracho tannin – the effect on bond shear strength and formaldehyde emission. Annals Warsaw University of Life Science Forestry and Wood Technology 99: 46-50.

5) Sinyee Gan, **Farah Nadia Mohammad Padzil**, Sarani Zakaria, Chin Hua Chia, Sharifah Nabihah Syed Jaafar & Ruey Shan Chen. (2015). Synthesis of liquid hot water cotton linter to prepare cellulose membrane using NaOH/urea or LiOH/urea. *BioResources* 10(2): 2244-2255.

6) Peivun Ng, Chin Hua Chia, Sarani Zakaria, Sinyee Gan, Hatika Kaco, **Farah Nadia Mohammad Padzil** & Soon Wei Chook. (2015). Preparation of Cellulose Hydrogel from Oil Palm Empty Fruit Bunch Fibers Cellulose. *Polymer Research Journal* 9(4): 449.

7) Anis Syuhada Mohd Saidi, Sarani Zakaria, Chin Hua Chia, Sharifah Nabihah Syed Jaafar & **Farah Nadia Mohammad Padzil**. (2016). Physico-mechanical properties of kenaf pulp cellulose membrane crosslinked with glyoxal. *Sains Malaysiana* 45(2).

8) Sinyee Gan, Sarani Zakaria, Chin Hua Chia, Hatika Kaco & **Farah Nadia Mohammad Padzil**. (2014). Synthesis of kenaf cellulose carbamate using microwave irradiation for preparation of cellulose membrane. *Carbohydrate Polymers* 106: 160-165.

9) Sinyee Gan, Sarani Zakaria, Chin Hua Chia, **Farah Nadia Mohammad Padzil** & Peivun Ng. (2015). Effect of hydrothermal pretreatment on solubility and formation of kenaf cellulose membrane and hydrogel. *Carbohydrate Polymers* 115: 62-68.

10) Sinyee Gan, Sarani Zakaria, Rueyshan Chen, Chin Hua Chia, **Farah Nadia Mohammad Padzil** & Seyedehmaryam Moosavi (2017). Autohydrolysis processing as an alternative to enhance cellulose solubility and preparation of its regenerated bio-based materials. *Materials Chemistry and Physics* 192: 181-189.

11) Hidayah Ariffin, Liana Noor Megashah, **Farah Nadia Mohammad Padzil** (2018). Chapter 4 Multi-step pretreatment for cellulose separation. Lignocellulosic Biomass. Elsevier (submitted)

12) Hidayah Ariffin, Tengku Arisyah Tengku Yasim-Anuar, Nurfarah Izzati Imadi, **Farah Nadia Mohammad Padzil** (2018). Chapter 7 Characterization of cellulose nanofiber from various tropical plant resources. Lignocellulosic Biomass. Elsevier (accepted)

REFERENCES

- Assoc. Prof. Dr. Hidayah Ariffin
  Laboratory of Biopolymer & Derivatives (BADs)
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- Prof. Dr. Sarani Zakaria
  Senior Lecturer of Materials Science Program, Supervisor of Bioresource & Biorefinery Research Group, National University of Malaysia (UKM)
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- Dr. hab. Mariusz Maminski
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- Prof. Madya Mejar Dr. Samsu Adabi Mamat
  Principal of Kolej Ungku Omar 2009-2012, UKM.