CURRICULUM VITAE

Roseliza Kadir Basha
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Education

1. PhD. Environmental Resources, Hokkaido University, Japan
2. MSc. Chemical Engineering, UKM
3. Bachelor of Food Science and Technology, UPM

Areas of Interest

1. Packaging Technology
2. Food Engineering

Professional Qualification/ Membership/ Affiliation

1. Member, Malaysian Society for Engineering and Technology (MySET)
2. Member, Malaysian Society of Agricultural Engineers (MSAE)

Appointments

Position	Duration
1. Senior lecturer, Department of Process & Food Engineering, Faculty of Engineering, UPM	April 2011 to date
2. Tutor, Department of Process & Food Engineering, Faculty of Engineering, UPM	Nov 2000 to Mac 2011

Publications

Journals

1. Othman, SH, **Roseliza kadir Basha**, Talib, Rosnita A. Mechanical and Thermal Properties of PLA/Halloysite Bionanocomposite Films: Effect of Halloysite Nanoclay Concentration and Addition of Glycerol (2017) Citation-Indexed Journal - Science Citation Index (JCR), Full Paper, Published, Other Publisher, [381-389].
2. Othman, SH., **Roseliza kadir Basha**, , Talib, Rosnita A. Siti Amirah Mohammad Edwal (2017) Water sorption and water permeability properties of edible film made from potato peel waste Citation-Indexed Journal - Scopus, Full Paper, Published, Sociedade Brasileira de Ciência e Tecnologia de Alimentos, SBCTA, [63-70].
3. Othman, SH., **Roseliza kadir Basha**, M. Nazli Naim (2017) Effect of Ball Milling and Ultrasonication on Particle Size of Chitosan Nanoparticle for Potential Nanofiller in Food Packaging Application Citation-Indexed Journal - Scopus, Conference Paper, Published, Other Publisher, [125-130].
4. Talib, Rosnita A**.**, **Roseliza kadir Basha**, , N L Chin, Khalina A (2017) Effect of Aminosilane Concentrations on the Properties of Poly(Lactic Acid)/Kenaf-Derived Cellulose Composites Citation-Indexed Journal - Science Citation Index (JCR), Full Paper, Published, Other Publisher, [63-76].

5. Othman, SH., **Roseliza kadir Basha**, M. Nazli Naim (2017*)* Antimicrobial Properties of Cassava Starch Films Incorporated with Chitosan Nanoparticles: In Vitro and In Vivo Evaluation Citation-Indexed Journal - Science Citation Index (JCR), Full Paper, Submitted, WILEY-BLACKWELL, [1-24].
6. Othman, SH., Talib, Rosnita A. , **Roseliza kadir Basha** (2016) Effect of Halloysite Nanoclay Concentration and Addition of Glycerol on Mechanical Properties of Bionanocomposite Films Citation-Indexed Journal - Scopus, Full Paper, Published, Other Publisher, [795-802].
7. TY Bond, RA Talib, K Abdan, CN Ling, **RK Basha**, KFM Yunos (2015) Comparative Study of Chemical, Mechanical, Thermal, and Barrier Properties of Poly (Lactic Acid) Plasticized with Epoxidized Soybean Oil and Epoxidized Palm Oil. BioResources 11 (1), 1518-1540.
8. MN Naim, AR Jaafar, NFA Bakar, AS Baharuddin, **RK Basha** (2015) Deposition of nanostructures derived from electrostatically stabilised TiO 2 aqueous suspension onto a biocomposite. Advanced Powder Technology 26 (2), 362-367
9. TY Bond, RA Talib, K Abdan, CN Ling, **RK Basha**, KFM Yunos (2015) Comparative Study of Chemical, Mechanical, Thermal, and Barrier Properties of Poly (Lactic Acid) Plasticized with Epoxidized Soybean Oil and Epoxidized Palm Oil. BioResources 11 (1), 1518-1540
10. YB Tee, AT Rosnita, A Khalina, NL Chin, **KB Roseliza**, MY Faezah (2015) Reinforcing Mechanical, Water Absorption and Barrier Properties of Poly (Lactic Acid) Composites with Kenaf-Derived Cellulose of Thermally-Grafted Aminosilane. Pertanika Journal of Tropical Agricultural Science 38 (4).
11. Abdul Wahab Mohammad, Abd Ghani Kumar,Roseliza Kadir Basha (2015) Optimization of enzymatic hydrolysis of tilapia (oreachromis spp.) scale gelatin*. Int. Aquat Res* 7: 27-39.
12. Othman, S.H., Abd Salam, N.R., Zainal, N., **Kadir Basha, R.**, and Talib, R.A. (2014). Antimicrobial activity of TiO_2 nanoparticle-coated film for potential food packaging applications. *International Journal of Photoenergy* 2014: 6 pages.
13. Yee Bond Tee, Rosnita A. Talib, Khalina Abdan, Nyuk Ling Chin, **Roseliza Kadir Basha**, Khairul Faezah Md Yunos (2013) Thermally Grafting Aminosilane onto Kenaf-Derived Cellulose and Its Influence on the Thermal Properties of Poly(Lactic Acid) Composites. Bioresources 8 (3) : 4468-4483.
14. **Roseliza Kadir Basha**, Katsumi Konno, Hiroshi Kani, Toshinori Kimura.(2011) Water vapor transmission rate of biomass based film materials. EAEF 4(2) : 37-42.
15. Abdul Wahab Mohammad, **Roseliza Kadir Basha**, Choe Peng Leo (2010) Nanofiltration of glucose solution containing salts: Effects of membrane characteristics, organic component and salts on retention. Journal of Food Engineering 97(4) : 510-518.

Conference Proceedings

1. Intan Tawakkal, Talib, Rosnita A. , Othman, SH, **Roseliza kadir Basha**, *Effect of PLA/Jackfruit Skin Powder Composites Containing a Natural Agent on the Mechanical and Thermal Properties* Effect of PLA/Jackfruit Skin Powder Composites Containing a Natural Agent on the Mechanical and Thermal Properties, Abstract, Non Citation-Indexed Journal, Universiti Putra Malaysia, International, 0 , [1 - 51], MALAYSIA, 2017
2. Othman, SH, M. Nazli Naim, **Roseliza kadir Basha**. *Effect of chitosan concentration on the properties of chitosan/tapioca based edible film* The Food Factor I Barcelona Conference, Abstract, 2016
3. Sukor, Rashidah, **Roseliza kadir Basha**. *Antioxidant and antimicrobial properties of lemongrass oil and its application in cassava starch film* Proceedings of International Conference on Sustainable Agriculture and Environment , 2016
4. F S Taip, **Roseliza kadir Basha**, Shikin. *Effect of baking temperature and rice bran on the qualities of rice bran energy bar* International conference on agricultural and food engineering, 2014
5. Siti Hajar Othman, Norhazlizam Zainal, Nurul Raudhah Abdul Salam, **Roseliza Kadir Basha**, Rosnita A. Talib. (2013) Antimicrobial activity of Tio_2 coated food packaging film via in vitro test, 2013 Upm-Kit Symposium Of Applied Engineering and Sciences (Saes2013).

6. **Roseliza Kadir Basha**, Nurhaziyana Hamzah, Nurul Asmawanie Ramli, Rosnita A. Talib, Siti Hajar Othman. (2013) Mechanical Properties of Polylactic Acid/Cockle-Shell Powder Composite, 2013 Upm-Kit Symposium Of Applied Engineering and Sciences (Saes2013).
7. **Roseliza Kadir Basha,** Yoshiya Hasegawa, Masafumi Yamamoto, Katsumi Konno, Hiroshi Kani, Toshinori Kimura (2010) Biomass based Film Materials for Packaging of Fresh Produce, 6thFood Science International Symposium 2010.
8. **Roseliza Kadir Basha** and Abdul Wahab Mohammad. (2004) Separation performance of salts and saccharides by using nanofiltration membranes, Proceedings of the 18th Symposium of Malaysian Chemical Engineers, V.R. Radhakrishnan et al (ed.) (ISBN 983-42038-0-2), Vol. 1, p1-32 - 1-38.

Research Grants

Project Title	Role	Date	Source of fund	Status
Characterization and migration evaluation fish gelatin-based natural antioxidant and antimicrobial film	Leader	Dec. 2017-Dec. 2019	RUGS	On-going
Development of technology for ice-cream cones	Leader	Sept 2017 – April 2018	PPRN	On-going
Properties Evaluation and Shelf life Modelling of Nanocomposite Edible Films	Member	Aug. 2016 – July 2018	FRGS	On-going
Research and development for jackfruit (packaging of fresh and processed jackfruit)	Member	April 2016 – April 2017	LPP	Completed
Development of technology to increase shelf life of cake	Leader	1 Sept. 2015 – 1 March 2016	PPRN	Completed
Development of technology to increase shelf life of bengkang	Leader	1 Sept. 2015 – 1 March 2016	PPRN	Completed
Development of bio-nanocomposite materials for food packaging applications	Member	Feb. 2014 – July 2016	Science Fund	Completed
Evaluation of the effect of spray drying and storage conditions on Pink Guava powder properties.	Member	1 Dis. 2013 – 30 Nov. 2015	FRGS	Completed
Thermodynamic Evaluation of Membrane Solute Interaction of Palm Oil Wastewater	Member	1 Dis. 2013 – 01 Nov. 2015	FRGS	Completed
Performance and Characterization of Antimicrobial Packaging	Leader	1 Nov. 2012 –31 Okt. 2014	RUGS Initiative 5	Completed
Development of TiO2 Nanoparticle-Coated Food Packaging Film for Antimicrobial Application	Member	1 Nov. 2012 – 31 Okt. 2014	RUGS Initiative 5	Completed

Student Supervision

Name of student	Type of supervision	Level	Project title	Status
Nazatul Shima Binti Azmi	Supervisor	PhD	Development and Performance of Active Packaging Film Containing Polyaniline (PANI) as Antioxidant	On-going

Nurulhuda binti hassan	Co- supervisor	Master	Preparation and characterization of PES/sulfonated PES blen ultrafiltration	Graduated
Jesse Lee Kar Ming	Supervisor	Bachelor	Modified admosphere packaging on layer cake made of durian pree and durian powder	Graduated
Nur Ayshah Shaari	Supervisor	Bachelor	Effect of vacuum packaging on quality and shelf life of bingka ubi during cold storage	Graduated
Nazratul Putri binti Risyon	Co- supervisor	Master	Development of bio-nanocomposite material for food packaging	Graduated
Ruzana bt Ahmad Shapi	Co- supervisor	Master	Development of starch-based food packaging film in corporated with edible nanofiller	Graduated
Nor Faezah Bt. Abuhan	Main Supervisor	Bachelor	Characterization of Starch-Based Film Containing Active Ingredients	Graduated
Nur Farahana Bt. Abdullah	Main Supervisor	Bachelor	Characterization of Antimicrobial Packaging from Bio-Based Material	Graduated
Nor Anis Alwani Bt. Ahmad Saiful Bahree	Main Supervisor	Bachelor	Fish Gelatin Application for Active Bio-Based Film Packaging	Graduated
Nor Dalila Hashim	Main Supervisor	Bachelor	Influence of Plasticizers on Properties of Plastic from Polylactic Acid and Cockle Shell Powder	Graduated
Nur Syahidah Md Arif	Main Supervisor	Bachelor	Characterization of Antimicrobial Packaging from Cockle-Shell Powder	Graduated
Amirah Syahmi	Co- Supervisor	Master	Effect of operating parameter and different fibres on quality and shelf life of energy bar.	Graduated
Leong Kah Yan	Main Supervisor	Bachelor	Sorption Characteristic of Starch Based Plastic and Their Relationship to Mechanical	Graduated
Maryam Ghias	Co- Supervisor	Master	Improving the fixed bed dryer on paddy rice	Graduated
Nurhaziyana binti Hamzah	Main Supervisor	Bachelor	Characterization of Antimicrobial Packaging	Graduated
Nurul Asmawanie binti Ramli	Main Supervisor	Bachelor	Mechanical Properties of Antimicrobial Packaging	Graduated
Nurul Hasni binti Mohamad Apandi	Co- Supervisor	Bachelor	Recycle And Reuse Of Dairy Wastewater Using Ultrafiltration	Graduated

			and Reverse Osmosis Membrane	
Siti Nurhaslinda binti Damanhuri	Co-supervisor	Bachelor	Waste Treatment of Frozen Food By Chitosan and Ultrafiltration	Graduated