

Curriculum Vitae

Personal Data

- Dr. Yousuf El-Shekeil
- Marital Status: Married
- Mobile Phone: 006-017-6211554
- E-mail: dr.yousufelshekeil@gmail.com

Education

- **Doctor of Philosophy** (*Materials Engineering*), Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia (UPM), Selangor, Malaysia – 2012 (CGPA: 3.875, Published/accepted 8 journal papers and 5 conference papers. I also have 1 journal paper submitted for review).
 - **Title of Thesis:** Properties of Short Kenaf Fiber-Reinforced Thermoplastic Polyurethane Composites.
- **Master Degree** in (*Engineering Management*), Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia (UPM), Selangor, Malaysia – 2008 (CGPA: 3.521).
- **Bachelor Degree** in (*Mechanical Engineering*) – Sana'a University – 2004.

Areas of Interest

- Natural fiber-reinforced polymer composite, composite materials, plastic technology and testing.
- Just In Time production, Manufacturing Operations Management.

Working Experience

18 April 2013-
Now

Postdoctoral Fellow Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia.

Oct 2010-Feb
2012

Research Assistant Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia

- Research Title: Mechanical and Environmental Properties of Kenaf Fiber Reinforced Thermoplastic Polyurethane Composites, Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education Malaysia grant number (01-10-10-924FR). Budget approved: 43000 Malaysian Ringgit.

June - August
2006

Reception Supervisor Toyota Service Center, Sana'a-Yemen

May 2005-May
2006

Service Adviser Toyota Service Center, Sana'a-Yemen

Publications

Papers in Journals

1. **Y. A. El-Shekeil**, S.M. Sapuan, E.S. Zainudin, Khalina Abdan. (2011). Optimizing Processing Parameters and Fiber Size for Kenaf Fiber Reinforced Thermoplastic Polyurethane Composite. *Key Engineering Materials*. 471-472: 297-302. (CPCI and Scopus)
2. **Y. A. El-Shekeil**, S.M. Sapuan, E.S. Zainudin, Khalina Abdan. (2011). Effect of Fiber Loading on the Mechanical Properties of Thermoplastic Polyurethane Reinforced Kenaf Fiber. *Key Engineering Materials*. 471-472: 1058-1063. (CPCI and Scopus).
3. **El-Shekeil, Y. A.**, Salit, M. S., Abdan, K., and Zainudin, E. S. (2011). "Development of a new kenaf bast fiber-reinforced thermoplastic polyurethane composite" *BioResources*. 6(4), 4662-4672. (Impact Factor: 1.328)
4. **Y. A. El-Shekeil**, S.M. Sapuan, A. Khalina, E.S. Zainudin. O. M. Al-Shuja'a. (2012) effect of alkali treatment on mechanical and thermal properties of kenaf fiber reinforced thermoplastic polyurethane composite. *Journal of Thermal Analysis and Calorimetry*. 109(3), 1435-1443. (Impact Factor: 1.604)
5. **Y. A. El-Shekeil**, S.M. Sapuan, A. Khalina, E.S. Zainudin, O. M. Al-Shuja'a (2012). Effect of pMDI Isocyanate Additive on Mechanical and Thermal Properties of Kenaf Fiber Reinforced Thermoplastic Polyurethane Composites. *Bulletin of Materials Science*. 35(7), 1151–1155. (Impact Factor: 0.88)
6. **Y. A. El-Shekeil**, S.M. Sapuan, E.S. Zainudin, K. Abdan, (2012) Influence of Fiber Content on the Mechanical and Thermal Properties of Thermoplastic Polyurethane Reinforced Kenaf Fiber. *Materials and Design*. 40, 299–303. (Impact Factor: 2.2)
7. **Y. A. El-Shekeil**, S.M. Sapuan, E.S. Zainudin, K. Abdan, O. M. Al-Shuja'a. (2012) Influence of Chemical Treatment on the Tensile Properties of Kenaf Fiber Reinforced Thermoplastic Polyurethane Composite. *eXPRESS Polymer Letters*. 6(12), 1032–1040. (Impact Factor: 1.769).
8. S.M. Sapuan, P.Fei-ling, **Y. A. El-Shekeil**, and Faris M. AL- Oqla (2013), Mechanical properties of soil buried kenaf fiber reinforced thermoplastic polyurethane composites, *Materials and Design*, accepted. DOI. 10.1016/j.matdes.2013.03.013 (Impact Factor: 2.2)
9. H.P.S Abdul Khalil, K. W. Sher. **Y. A. El-Shekeil**, W. O. Wan Nadirah, M. Jawaid, (2013). Physical and Mechanical Properties of Kenaf/Carbon Fibers Reinforced Unsaturated Polyester Hybrid Composites., Submitted for review.

Papers in Conferences Proceedings

1. **Y. A. El-Shekeil**, E.S. Zainudin and S.M. Sapuan. *Polyurethane/Natural Fiber Composites: A Review*. Paper presented at the National Symposium for Polymeric Materials, Putrajaya, Malaysia. 2009.
2. **Y. A. El-Shekeil**, S. M. Sapuan, K. Abden, and E.S. Zainudin, (2011) Effect of Alkali Treatment and pMDI Isocyanate Additive on Tensile Properties of Kenaf Fiber Reinforced Thermoplastic

Polyurethane Composite. IPCSIT vol.15 (2011) © (2011) IACSIT Press, Singapore (ISI proceedings).

3. **Y. A. El-Shekeil**, S. M. Sapuan, K. Abden, and E.S. Zainudin. *Effect of various treatments on tensile properties of kenaf fiber reinforced thermoplastic polyurethane composite.* Paper presented at the UPM-UniKL Symposium on Polymeric Materials and the 3rd Postgraduate Seminar on Natural Fibre Composites, February 2nd 2012. Published by Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia, ISBN 978-983-2408-06-2.
4. S. M. Sapuan, **Y. A. El-Shekeil**, *Properties of Kenaf Fiber-reinforced Elastomer Composite*, Paper accepted at the 3rd International Conference of The Institution of Engineering and Technology, September 17-18th 2012, Brunei Darussalam (IETBIC 2012).
5. S.M. Sapuan, F.L. Pua and **Y. A. El-Shekeil**,. *Biodegradable polymer composites: a review.* Paper presented at the 2nd UPM-UniKL Symposium on Polymeric Materials, February 28nd 2013. Published by Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia. ISBN 978-983-2408-09-3.

Award

Won the second prize of the student poster competition of SAMPE ASIA 2012 Conference held in KLCC convention center, Kuala Lumpur Malaysia on the 21st to 23rd February. The title of the poster was '*Effect of isocyanate chemical treatment on tensile properties of kenaf bast fiber reinforced thermoplastic polyurethane composite*' by **Y. A. El-Shekeil**, S. M. Sapuan, K. Abden, and E.S. Zainudin.

Chapter in Book

Y. A. El-Shekeil, S.M. Sapuan, A. Khalina and E.S. Zainudin, *Kenaf fibre reinforced polymer composites research: an overview*. In: Mohd Sapuan Salit, Edi Syams Zainudin And Zulkifflee Lemam: *Engineering Composites: Properties, Design, Processing and Applications* (In progress: book will be published in 2013 by UPM press).

Journal Papers Refereed

- Isuwa S. Aji, Edisyam. S. Zainudin, Abdan Khalina, Salit M. Sapuan, and Zaman D. Khairul Role of Fiber/Matrix Modification on Mechanical Properties and Water Sorption of Hybridized Kenaf/Palf Reinforced HDPE Composite (Review Requested by *BioResorces Online Journal* on December 8th, 2011, completed December 19th, 2011)
- M.R. Ishak, S.M. Sapuan, Z. Lemam, M.Z.A. Rahman, U.M.K. Anwar. IFSS, TGA, FT-IR spectra of impregnated sugar palm (*Arenga pinnata*) fibres and mechanical properties of their composites. (Review Requested by *Journal of Thermal Analysis and Calorimetry* on March 2nd, 2012, completed March 7th, 2012)
- Shiqiang Deng, Andrew Beehag, Wayne Hillier, Donghai Zhang, Lin Ye. Kenaf-polypropylene biocomposites manufactured from blended fiber mats. (Review Requested by *Journal of Reinforced*

Plastics and Composites on October 25th, 2012, completed November 3rd, 2012)

- Majid Dehghan Nayeri, Paridah Md Tahir, Jalaluddin Harun, Luqman Chua Abdullah, Edi Suhaimi Bakar, Mohamad Jawaid, And Farideh Namvar. Thermal effects on the morphology, pH and buffering capacity of bast and core kenaf fibers (Review Requested by *BioResorces Online Journal* on January 23^{ed}, 2013, completed February 5th, 2013)

Conference Organized

- Editorial Assistant of the 8th *International Conference on Composite Science and Technology 2011 (ICCST8)*. Organized by Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia, will be held in Novotel Hotel, Kuala Lumpur on March 22nd-24th 2011.

Conference/Seminar Attended

- Presented at the 9th *National Symposium on Polymeric Materials (NSPM) 2009*, Residence Hotel, Putrajaya, Selangor, Malaysia. December 14th-16th, 2009.
- Participated at the *International Conference on Kenaf and Allied Fibres (ICKAF)*. Held on December 1st-3rd, 2009 at the Legend Hotel, Kuala Lumpur, Malaysia.
- Presented at the 2nd *Postgraduate Seminar on Natural Fibre Composite*, February 18th-19th, 2010.
- Participated at the *Golden Jubilee International Polymer Conference (GJIPC)*, Held at Sunway Resort Hotel and Spa, Selangor, Malaysia, March 16th-17th, 2010.
- Presented at the 8th *International Conference on Composite Science and Technology 2011 (ICCST8)*. Held in Novotel Hotel, Kuala Lumpur on March 22nd-24th, 2011.
- Presented at the *International Conference on Advanced Materials Engineering 2011 (ICAME)*, Held in Cairo, Egypt October 1st-2nd, 2011.
- Presented at the *UPM-UniKL Symposium on Polymeric Materials and The 3rd Postgraduate Seminar on Natural Fibre Composites*, February 2nd, 2012. Held in UniKL MiCET, Alor Gajah, Malacca.
- Participated at the 2nd *UPM-UniKL Symposium on Polymeric Materials* February 28th, 2013. Held in UniKL City Campus, Kuala Lumpur.

Technical Training

- Fundamentals of A/C (Air Conditioning),
- Manual Transmission,
- Basics Service,
- TSM (Toyota Customer Service Marketing).

Note: All technical courses are in Toyota dealer-Yemen.

Languages

- Arabic: Mother's Tongue.
- English: Very Good reading writing and speaking.
- Malay: little

Personal and Technical Skills

- Works individually and as a part of a team
- Interpersonal abilities; relationship-building with co-workers and others
- Good presentation skills
- Have knowledge in diverse fields from mechanical engineering to engineering management and materials engineering; with experience in automotive engineering
- Willing to learn
- IT/ computer literacy; common sense, office skills ...etc

References

Professor Ir. Dr. Mohd Sapuan Salit

Professor
Department of Mechanical and
Manufacturing Engineering
Faculty of Engineering
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan
Malaysia

Phone : +603 8946 6318

Fax : +603 8656 7122

E-mail: sapuan@eng.upm.edu.my

Associate Professor Dr. Khalina Abdan

Head
Department of Biological and Agricultural
Engineering
Faculty of Engineering
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan
Malaysia

Phone : +603-8946 4455

Fax : +603 8946 6425

E-mail : khalina@eng.upm.edu.my