

Curriculum Vitae



1-Personal Information

Name : **Dr. Saad Raheem Sulttan**
Affliction : saadraheem76@gmail.com
(Included Phone and Email) : **07721021200**
Date of Birth : **1976**
Place of Birth : **Baghdad**
Nationality : **Iraqi**
Marital Status : **Married**

2-Scientific Rank

Lecturer

3-Research Interests

- Process dynamic modeling, simulation and optimization of chemical processes.
- Kinetics reaction of the polymerization reactor.
- Polymer and composite materials.

4-Education

(List your academic background, including undergraduate and graduate institutions attended)

| Date | Discipline | Degree | Institution | Thesis Title |
|------|----------------------|--------|---|---|
| 2000 | Unit operation | B.Sc. | Chemical Engineering Department- University of Technology, Iraq | Maleic acid anhydride |
| 2002 | Unit operation | M.Sc. | Chemical Engineering Department- University of Technology, Iraq | Preparation and modification of different grades of poly (vinyl butyral) used for aluminum metal adhesive |
| 2013 | Chemical Engineering | Ph.D | University Science Malaysia, Malaysia | Modeling and optimization of styrene syndiotactic polymerization through multiscale. |

5-Postdoctoral Training (if available)

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6-Management Posts (if available)

(List in chronological order, included position details and dates)

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7-Grants and Fellowships (if available)

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8-Academic Experience

1-Undergraduate Level

- Mechanics and Strength of Materials / 1st Chemical Engineering

2-Postgraduate Level

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9-Employment History (if available)

(Including experience, institution, and data)

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10-License/Certification (if available)

- Iraqi Engineers Union
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11-Honors and Distinctions (if available)

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12-Skills and Qualifications (Language and computer)

- Language :(Arabic, English)
- Computer: Matlab, Visual basic, Hysys, Office, Window
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13-Publications/ Books

1- Supervision

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2-Research

Under publication

- 1. Multi-Objective Optimization of Syndiotactic Polymerization of Styrene Using Genetic Algorithm Technique.**
- 2. Rheological Properties of Vacuum Gas Oil – Poly Propylene Blends.**
- 3. The Effect of Wood Filler on the Polypropylene Mechanical and Thermal Properties.**

Accepted Manuscripts

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Published

- 1. Najat J. Salah, Safa A. Al-Naimi and Sultan S. R., (Preparation and characterization of different grades of poly (vinyl butyral) used for aluminum metal adhesive). Engineering & Technology Journal - University of Technology/ Baghdad –Iraq .vol. 22, No. 6, 2003.**
- 2. Safa A. Al-Naimi, Najat J. Salah, and Sultan S. R., (Modification of poly (vinyl butyral) used Box-Wilson Design used for aluminum metal adhesive). Engineering & Technology Journal - University of Technology/ Baghdad –Iraq .vol. 22, No. 3, 2003.**
- 3. Sultan S. R., (Study the Influence of Poly Vinyl Acetate on Flow Behavior of Bentonite Dispersions in Water). Engineering and Technology Journal. Vol. 27, No. 4, 2009.**

4. Sultan S. R., Najat J. Salah and Adnan A. Abdul Razak (Improve the Performance of Epoxy Resin and Poly (vinyl butyral) as an Aluminum Metal Adhesion). Al-Taqani Refereed Scientific Journal. Vol. 23, No. 1, 2010.
5. Sultan S. R., Adnan A. Abdul Razak, Ali M. Hameed (Modeling of the Cure of Epoxy Based Composite, Heated at Constant Temperature in Cylindrical Mould). Diyala Journal of Engineering Sciences. Vol. 4, No. 1, 2011.
6. Sultan S. R., Fernando W. J. N., Shakoor Z. M. and Suhairi A. S. (Modeling of Particles Growth in Styrene Polymerization, Effect of Particle Mass Transfer on Polymerization Behavior and Molecular Weight Distribution). Malaysian Polymer Journal, Vol. 6, No. 2, p 119-134, 2011.
7. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (Coupled single-particle growth and kinetics modeling for styrene polymerization over silica-supported metallocene catalyst). Journal of Mathematical Chemistry. Vol. 50, 2012. Springer, Physical Chemistry, I.F. 1.25.
8. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (Multiscale modeling of syndiospecific styrene polymerization). Journal of Polymer Research. Vol. 19, 2012. Springer, Polymer Science, I.F. 1.18.
9. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (Combined Single Particle Growth and Population Balance Modeling in Stereoregular Polymerization of Styrene). Iranian Polymer Journal. Vol. 19, 2012. Springer , Polymer Science, I.F. 1.2.
10. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (A Single Particle Growth Model in Styrene Coordination Polymerization). Journal of Applied Sciences, Vol. 12, No. 11, 2012.
11. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (Modeling and Experimental Evaluation of Single Particle Growth in Syndiotactic Polymerization of Styrene). Journal of Materials Engineering and Performance. Vol. 22, No. 8, 2013. I.F. 0.915.

3-Books

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14-Invited Lectures and Seminars* (if available)

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15-Conferences and Training (if available)

1. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (2011). Modeling of intraparticle mass and heat transfer in stereoregular polymerization of styrene. **International Engineering for Sustainability Conference (iNESCO) 2011. Engineering Campus USM 14th-16th October 2011.**
2. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (2011). Modeling of mass transfer for the particle growth in syndiospecific styrene polymerization. **2nd Symposium of USM Fellowship 2011, Injecting Humanistic Values into Our Education. Vistana Hotel, Pulau Pinang, Malaysia. 23th-24th November 2011.**
3. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (2011). A single particle growth model in styrene coordination polymerization. **International Conference of Chemical Engineering and Industrial Biotechnology in conjunction with 25th Symposium of Malaysian Chemical Engineers 2011 (ICCEIB-SOMChE 2011). Universiti Malaysia PAHANG, Kuantan, Pahang, Malaysia. 24 November-1 December 2011.**
4. Sultan S. R., Fernando W. J. N., and Suhairi A. S. (2013). Mass and heat transfer limitations model for a single particle growth in stereoregular polymerization of styrene. **21st International Conference on Polymer Characterization –World Forum on Advanced Materials (PolyChar-21). 11-15 March 2013. KimDaeJung Convention Center, Gwangju, Republic of Korea.**