

List of Publications

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Journal Publications:

1. **Ghoroi, C.**, Han, X., To, D., Jallo, L., Gurumurthy, L., Dave, R. N., "Dispersion of ultrafine pharmaceutical powders using surface modification", **Chemical Engineering Science** (*Accepted*).
2. Jallo, L., **Ghoroi, C.**, Gurumurthy, L., Patel, U., Dave, R. N., Improvement of flow and bulk density of pharmaceutical powders using surface modification, **Int. J. Pharmaceutics**, 423, 213–225 (2012).
3. Han, X., **Ghoroi, C.**, , Chen, Y., Dave, R. N., "Simultaneous micronization and surface modification as a tool to improve flow and dissolution", **Int. J. Pharmaceutics**, 415, 185–195 (2011).
4. Suresh, A. K. and **Ghoroi, C.**, "Solid-solid reactions in series – A modelling and experimental study", **AIChE Journal**, 55(9), 2399-2413, (2009).
5. **Ghoroi, C.** and Suresh, A. K., "Intermediate conversion kinetics in tricalcium aluminate formation", **AIChE Journal**, 53(9), 2399-2410, (2007).
6. **Ghoroi, C.** and Suresh, A. K., "Solid-solid reaction kinetics – Formation kinetics of tricalcium aluminate", **AIChE Journal**, 53(2), 502-513, (2007).
7. **Ghoroi, C.**, Gurumurthy, L., McDaniel, D. J., Jallo, L., Dave, R. N., "Multi-faceted characterization of pharmaceutical powders to discern the influence of surface modification", *Under Review in Powder Technology*.
8. Han, X., **Ghoroi, C.**, Dave, R. N. "Dry coating of micronized API powders for improved dissolution of directly compacted tablets with high drug loading", *Under Review in Int. J. Pharmaceutics*.

Conferences:

1. R. N. Davé, **Ghoroi, C.**, Han, X., To, D., Jallo, L., Gurumurthy, L., "Dispersion of ultrafine powders through surface modification or rapid expansion", Nisshin Engineering Particle Technology International Seminar (NEPTIS) 2010, December 05-08 , 2010, Sendai , Japan.
2. Davé, R. N., Gurumurthy, L., **Ghoroi, C.**, Harris, D., "Flow improvement of pharmaceutical blends via surface modification of cohesive APIs", FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition, November 14 – 18, 2010, New Orleans, LA, USA.

3. Han, X., To, D., Chen, Y., **Ghoroi, C.**, Davé, R. N., "Simultaneous micronization and surface modification as a tool to improve flow and dissolution", FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition, November 14 – 18, 2010, New Orleans, LA, USA.
4. **Ghoroi, C.**, Bhakay, A., Davé, R. N., "Multifaceted characterization of flow, fluidization and packing properties of pharmaceutical powders for discerning the influence of surface modification", AIChE Annual Meeting, November 07–12, 2010, Salt Lake City, UT, USA.
5. **Ghoroi, C.**, Jallo, L., Gurumurthy, L., Patel, U., To, D., Beach, L., Davé, R. N., Improvement in flowability and bulk density of pharmaceutical powders thorough surface modification, AIChE Annual Meeting, November 07 –12, 2010, Salt Lake City, UT, USA.
6. Davé, R. N., Beach, L., Mullarney, M. P., **Ghoroi, C.**, "A novel continuous device for surface modification of cohesive pharmaceutical powders via dry coating of nano-particles for improved powder flow performance", AIChE Annual Meeting, November 07 –12, 2010, Salt Lake City, UT, USA.
7. Davé, R. N., Gurumurthy, L., **Ghoroi, C.**, Harris, D., "Flow improvement of pharmaceutical blends via surface modification of cohesive API", AIChE Annual Meeting, November 07–12, 2010, Salt Lake City, UT, USA.
8. Davé, R. N., Han, X., **Ghoroi, C.**, "Simultaneous micronization and surface modification as a Tool to improve flow and dissolution of pharmaceutical powders", AIChE Annual Meeting, November 07 – 12, 2010, Salt Lake City, UT, USA.
9. Gurumurthy, L., **Ghoroi, C.**, Davé, R. N., "Improving the flowability of cohesive pharmaceutical powders by dry particle coating", poster presented at 2010 NJPhAST (New Jersey Pharmaceutical Association for Science and Technology), competition, May 20, NJ, USA. *Poster selected for one of the four NJPhAST Graduate Scholarships award.*
10. **Ghoroi, C.**, Suresh, A. K., "Solid-solid reactions: Modelling and experiments", In-House Research Scholar Symposium, Department of Chemical Engineering, IIT Bombay, February, 2007, Mumbai, India.
11. Khadse, A., **Ghoroi, C.**, Mahajani, S., Ganesh, A., Aghalayam. P., "Studies in pyrolysis of Indian coals using Thermogravimetric Analyzer", – 7th International oil and gas conference and exhibition, PETROTECH 2007, January 15 – 19, 2007, New Delhi, India.
12. Khadse, A., **Ghoroi, C.**, Mahajani, S., Aghalayam. P., "Studies in pyrolysis and combustion of Indian coals using Thermogravimetric Analyzer", – The 23rd International Pittsburgh coal conference, September 25 – 27, 2006, Pittsburgh, USA.
13. **Ghoroi, C.**, Suresh, A. K., "Kinetics of calcium aluminate phase formation, 69th Annual session of Indian Ceramic Society, 28th – 29th December, 2005, Jamshedpur, India.
14. **Ghoroi, C.**, Suresh, A. K., "Formation kinetics of tricalcium aluminate, $Ca_3Al_2O_6$ ", CHEM-CON – 2005, December 14 – 17, 2005, New Delhi, India.
15. Venkateswaran, D., **Ghoroi, C.**, Vitta, S., "Influence of glass content on the pozzolanic activity of Class – F Fly ash", International congress on Fly Ash India – 2005, December 04– 07, 2005, New Delhi, India.

16. Venkateswaran, D., **Ghoro**, C., "Glass content of granulated blast furnace slag -- A critical appraisal of evaluation methods", The 9th NCB International seminar on Cement and Building Materials, November 08 – 11, 2005, New Delhi, India.