

CURRICULUM VITAE

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EDUCATION :

- PhD. in Applied Mathematics, May, 2006, Suranaree University of Technology, Nakornratchasima, Thailand.
- M.Sc. in Applied Mathematics, May, 2000, Mahidol University, Bangkok, Thailand.
- B.Sc. 2nd Class Honors in Applied Mathematics, 1995, King Mongkut's Institute of Technology North Bangkok, Bangkok, Thailand.

WORK EXPERIENCE :

- Lecturer in Mathematics Department at King Mongkut's University of Technology North Bangkok, Bangkok, Thailand.
- Teacher Assistance in School of Mathematics at Suranaree University of Technology, Nakornratchasima, Thailand (January – April 2002).
- Research Training on Numerical Simulation of Fluid Flow past Self-Propelled Body at Curtin University of Technology, Australia (February – May 2004).
- Research Training on Numerical Simulation of Laminar Flow over Two Rotating Circular Cylinders at Massey University, New Zealand, (March – May 2007).

PUBLICATIONS

1. **Sungnul, S.**, Prasattong, S., Pornpakun, W. and Baitiang, C., (2016), “Optimal Time of Sugarcane Harvesting for Sugar Factories in Thailand”, *Proceedings of 7th International Conference in Mathematics and Applications (ICMA-MU 2016)*, the Centre of Excellence in Mathematics, December 17-19, (9 pages).
2. **Sungnul, S.**, (2016). “Transformation of the Navier-Stokes Equations in Curvilinear Coordinate Systems with Maple”, *Global Journal of Pure and Applied Mathematics*. 12(3). pp.3315-3325.
3. Jitsom, B., **Sungnul, S.** and Punpocha, M., (2016), “Convergence of Numerical Solutions of Burger’s Equation”, *Proceedings of 21st Annual Meeting in Mathematics (AMM2016) and Annual Pure and Applied Mathematics Conference (APAM2016)*, Chulalongkorn University, May 23-25, pp. 281-290.
4. Pananu, K. and **Sungnul, S.**, (2015), “Convergence of Power Series Representation for Transcendental Functions”, *Proceedings of 20th Annual Meeting in Mathematics (AMM2015)*, Silapakorn University, May 27-29, pp. 228-239.
5. Pornpakun, W. and **Sungnul, S.**, (2014), “A Mathematical Model for the Optimal Time to Harvest Sugarcane”, *Proceedings of 19th Annual Meeting in Mathematics (AMM2014)*, March 20-22, pp. 21-30.
6. Chawengkrittianont, P., **Sungnul, S.** and Punpocha, M., (2014), “A Fractional Order Dynamic Model of Agriculture, Industry and Ecosystem”, *Proceedings of 19th Annual Meeting in Mathematics (AMM2014)*, March 20-22, pp. 15-20.
7. **Sungnul, S.**, (2013), “Numerical Simulation of Fluid Flow Over Two Rotating Circular Cylinders for Reynolds number $Re > 45$ ”, *8th International Conference on Multiphase Flow (ICMF 2013)*, May 26-31, Jeju, Korea. pp. 1-6.
8. **Sungnul, S.**, Baitiang, C. and Ratanapun, S., (2011), “Software Development for Subjective Test Analysis” *The Journal of KMUTNB*, 21(3), pp. 627-635.
9. Prasattong, S., **Sungnul, S.** and Ratanapun, S., (2011), “Effects of a symmetric stenosis on arterial blood flow”, *Proceedings of Annual Pure and Applied Mathematics Conference 2011 (APAM2011)*, May 19-20, Chulalongkorn University, pp. 95-99.
10. **Sungnul, S.** and Moshkin, N.P., (2009), “Effect of Rotation Rates and Gap Spacing on the Structure of Low Reynolds Number Flow over Two Rotating Circular Cylinders”, *Computational Fluid Dynamics 2008*, Springer Berlin Heidelberg Publishing, pp. 771-777.

11. **Sungnul, S.** and Moshkin, N.P., (2008), “Numerical Simulation of Flow over Two Rotating Self- Moving Circular Cylinders”, *Recent Advances in Computational Sciences*, World Scientific Publishing-Imperial College Press, pp. 278-296.
12. Moshkin, N.P. and **Sungnul, S.**, (2006), “Numerical Simulation of Flow Past Two Rotating Circular Cylinders”, *Proceedings of 10th Annual National Symposium on Computational Science and Engineering (ANSCSE10)*, March 22-24, Chiang-Mai University, pp. 479-484.
13. **Sungnul, S.** and N.P. Moshkin, (2006), “Numerical Simulation of Steady Viscous Flow Past Two Rotating Circular Cylinders”, *Suranaree Journal of Science and Technology*, 13(3), pp. 219-233.
- 14 **Sungnul, S.**, (2005), “On the Representation of the Navier-Stokes Equations in Cylindrical Bipolar coordinate System”, *Proceedings of 9th Annual National Symposium on Computational Science and Engineering (ANSCSE9)*, March 23-25, Mahidol University, pp. 340-348.

งานตำรา/หนังสือ

1. สมการเชิงอนุพันธ์ 1, กรุงเทพฯ : กongsongseerimichakar มหาวิทยาลัยเทคโนโลยีพระจอมเกล้า-พระนครเหนือ, พ.ศ. 2558 (399 หน้า) ISBN 978-616-368-024-2

รางวัลที่ได้รับ

1. ได้รับรางวัลผู้ปฏิบัติงานดีเด่นระดับส่วนงาน ประจำปี พ.ศ. 2553 กลุ่มพนักงานมหาวิทยาลัย เปลี่ยนสถานภาพ สายวิชาการ
2. ได้รับรางวัลผู้ปฏิบัติงานดีเด่น คณะวิทยาศาสตร์ประยุกต์ ประจำปี พ.ศ. 2554