



CONTACT

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WORKPLACE:

Department of Materials and
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Technology
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Assoc. Prof. Dr. Nuntaporn Kongkajun

รองศาสตราจารย์ ดร. นันทพร คงคะจันทร์

EDUCATION

Years	Degrees/ Certificates	Institutes
2005	Ph.D. (MATERIALS Science)	University of Southern California, USA
1999	M.S. (MATERIALS Science)	Chulalongkorn University
1997	B.S. (MATERIALS Science)	Chulalongkorn University

WORK EXPERIENCES

Years	Administrative Positions
1999	Lecturer Department of Materials Engineering, Kasetsart University

Years	Work Positions
2005-present	Lecturer Department of Materials and Textile Technology, Faculty of Science and Technology, Thammasat University

RESEARCH AREA

Sol-gel processing, Electroceramics, Refractory, Cements

Scopus Author ID.....

ORCID ID

WEB of Science Researcher ID

Awards/Scholarships:

Years	Scholarship/ Award Names	Awarding Institutes
2021	Oral presentation award	ICAPMA-JMAG2021
2020	Thailand green design (TGDA) award	Kasetsart University
	Best Poster award,1 st runner up	
2015		Internal conference on traditional and advanced ceramics

Research Grants:

Topics	Research Grants	Years
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UTILIZATION OF AGRICULTURAL WASTE AND CONDENSATE
FROM REGENERATOR OF GLASS FURNACE IN GLASS BATCH
MELTING

THAILAND SCIENCE RESEARCH AND INNOVATION (TSRI), 2020

UTILIZATION OF WASTE FROM CLAY BRICK AND SOFT SLUDGE
FROM FIBER-CEMENT INDUSTRY FOR CEMENT-BOND EARTH
BRICK FABRICATION

THAILAND SCIENCE RESEARCH AND INNOVATION (TSRI), 2019

Publication:

International publication:

1. **Kongkajun, N.**, Laitila, E.A., , Prakaypan, W., Ineure, P. , Cherdhirunkorn, B. Chakartnarodom, P., Soil-cement bricks produced from local clay brick waste and soft sludge from fiber cement production, Case Studies in Construction Materials, 13(2020),e00448
2. Chakartnarodom, P., Prakaypan, W., Ineure, P., Chuankrerkkul, N., Laitila, E.A., **Kongkajun, N.**, Properties and performance of the basalt-fiber reinforced texture roof tiles, Case Studies in Construction Materials, 13(2020),e00444

3. Pahunwanno, P., Chakartnarodom, P., **Kongkajun, N.**, Prakaypan, W., Feasibility study of using modified recycled fiber-cement for the production of high performance fiber-cement composites, Solid State Phenomena, 302 SSP (2020), pp. 93-99
4. Sonprasarn, P., Chakartnarodom, P., **Kongkajun, N.**, Prakaypan, W., Microstructure and mechanical performance of fiber-reinforced cement composites made with nucleating-agent activated coal-fired power plant bottom ash, Solid State Phenomena 302 SSP (2020), pp. 85-92
5. **Kongkajun, N.**, Cherdhirunkorn, B., Borwornkiatkaew, W., Chakartnarodom, P., Utilization of aluminium buffing dust as a raw material for the production of mullite, Journal of Metals, Materials and Minerals, 29(3), (2019) pp. 71-75
6. Chakartnarodom, P., **Kongkajun, N.**, Chuankrerkkul, N., Ineure, P., Prakaypan, A.W., Journal of Metals, Materials and Minerals, 29(4), (2019) pp. 90-98
7. Chakartnarodom, P., W. Prakaypan, P. Ineure, **N. Kongkajun** and N. Chuankrerkkul, Feasibility Study of Using Basalt Fibers as the Reinforcement Phase in Fiber-cement Products, Key Eng Mat 766 (2018) 252-257.
8. Chakartnarodom, P., **N. Kongkajun**, W. Prakaypan, X-ray Diffraction Analysis of ZnO Particles Prepared by Microwave Plasma, Key Eng Mat 751 (2017) 195-201.
9. Chakartnarodom, P., **N. Kongkajun**, E.A. Laitila, Influence of Scanning Parameters on X-ray Diffraction Peaks of Copper, Key Eng Mat 751 (2017) 202-206.
10. **Kongkajun, N.**, P. Chakartnarodom, W. Borwornkiatkaew, The Fabrication of Refractory Cordierite from Aluminium Buff Mixture, Key Eng Mat 690 (2016) 97-102
11. Chakartnarodom, P., **N. Kongkajun**, N. Chuankrerkkul, Powder Injection Molding of Mullite: The Study of Binder Dissolution Behavior during Debinding Step Using Statistical Methods, Key Eng Mat 690 (2016) 87-91.
12. Chakartnarodom, P., **N. Kongkajun**, N. Chuankrerkkul, Powder Injection Molding of Mullite: The Study of Mechanical and Physical Properties of the Sintered Products Using Statistical Methods, Key Eng Mat 690 (2016) 92-96.

National publication:

1. **N. Kongkajun**, R. Thongruang, N. Saisin and S. Kaewngeun, Characterization of High Purity Silica from Rice husk by Acid Treatment, Thammasat Journal of Science and Technology, 2003

2. **N. Kongkajun**, Effect of PbO layer on Physical Properties of PLZT sol-gel, Kasetsart Engineering Journal.,2003.
3. **N. Kongkajun**, S. Kuharuangrong, P. Aungkavattana, Development of Ferroelectric Thin Films and Composite Materials by Sol-Gel Process, Thammasat International Journal of Science and Technology,2001

Conferences:

Juthamat Nithipaiboon, Wichit Prakaypan, Parinya Chakartnarodom and **Nuntaporn Kongkajun** Development of Hydrophobic Fiber-Reinforced Cement Composite by Introducing Hybrid-Aluminum Admixture, *The 5th International Conference on Applied Physics and Materials Applications & Applied Magnetism and Ferroelectrics (ICAPMA-JMAG-2021)*

Jitlada Kumpa, Pitcharat Ineure, Parinya Chakartnarodom, Benya Cherdhirunkorn and **Nuntaporn Kongkajun** Recycling of Exhausted Dust from Regenerator of Glass Furnace in Glass Batch Melting, *The 5th International Conference on Applied Physics and Materials Applications & Applied Magnetism and Ferroelectrics (ICAPMA-JMAG-2021)*

Kongkajun, N., P. Chakartnarodom, W. Borwornkiatkaew, The Fabrication of Refractory Cordierite from Aluminium Buff Mixture, International Conference on Traditional and Advanced Ceramics 2015(ICTA 2015)

Chakartnarodom, P., **N. Kongkajun**, N. Chuankrerkkul, Powder Injection Molding of Mullite: The Study of Binder Dissolution Behavior during Debinding Step Using Statistical Methods, International Conference on Traditional and Advanced Ceramics 2015(ICTA 2015)

Patents/อนุสิทธิบัตร

นันทพร คงคะจันทร์, เบญญา เชิดหิรัญกร, “เซรามิกมัลไลต์ผลิตจากฝุ่นบัพฟ์อลูมิเนียมและดินขาวและกระบวนการผลิต” (2559), กรมทรัพย์สินทางปัญญา, เลขที่อนุสิทธิบัตร 11721