

S i g e T h e e A a d h e d c a l h e i 2014
2nd i e f e e e a i 127th N h C a l i a A C S c a l e c i c f e e c e 2013
T a e l G a A a d f Y g S c i e i a e d I A C I S c t e e c e i S e d a i , J a a 2012
G a d a e A i d e T e i E g i e e i g (G A T E , I d i a) 2009
C S I R - N E T f J i R e e a c h f e l l h i (J R F) b G e e e f l d i a 2008 a d 2009

A

Fede al/S a e g e me

PI N a i a l S c i e c e F d a (NSF) R I I T a c k - 4 : NSF : U d e a d i g h e l e f
f a c e i e a c i i c - a e b l f h e i c a l a d d -

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P d c al a cia e: O e
G ad a e de : Si
U de g ad a e de : F

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Engineering Materials Lab (CHE 3104) Spring 2018-2019 (Undergraduate)

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Chemical Engineering Graduate Certificate, Louisiana State University
The Center for Chemical Engineering at LSU

Member of the Louisiana State University College of Engineering 2019

Development of a new material for a Louisiana State University School of Visual Arts and Design 2017-

Recipient of the Distinguished Graduate Researcher Award from the Louisiana State University College of Engineering 2017-

Newly published Chemical Engineering Graduate Magazine Material Development Middle School of Louisiana State University ENGage magazine 2017-

Published article titled "Sacrificial-like fabrication of a material for general public use" in the journal of North Carolina Monthly of Natural Science, Raleigh, NC. Sept. 2014

Published in the North Carolina School of Science and Mathematics (NCSSM) Regional Science Fair Feb. 2015, and the Research Excellence of Undergraduate (REU)

Journal of the American Chemical Society 2015

Invited presentations:

University of Alaska (Chemical Engineering) Fall 2023

Bingham University (Chemical Engineering) Spring 2022

Clayton School of Engineering (Chemical Engineering) Spring 2022

University of Houston (Chemical Engineering) Fall 2021

Texas A&M University (Chemical Engineering) Fall 2021

Clemson University (Chemical Engineering) Spring 2021

Louisiana State University (Chemical Engineering) Spring 2021

Texas University (Chemical Engineering) Fall 2019

Pacific Northwest National Laboratory (Material Science) Fall 2019

University of Washington (Chemical Engineering) Fall 2019

Louisiana State University (Petroleum Engineering) Spring 2019

University of Rhode Island (Chemical Engineering) Fall 2018

University of Alaska (Chemical Engineering) Spring 2018

Louisiana State University (Industrial Chemistry) Spring 2017

Invited keynote presentations:

Sustainable Energy and the Role of Nuclear Energy NASA-BPS Spring 2023

Physical Science Division at PNNL Spring 2023

Material Research Society Meeting - Spring 2023

U.S. National College of Theoretical and Applied Mechanics (USNCTAM) Summer 2022

Philippe Clément, ACS Division of Physical Chemistry Spring 2022

Texas State Materials Meeting Fall 2021

Graduate Research Conference, Chemical, Macleod and P. I. elec. I. e. S. I. i. S. i. g. 2020
 Graduate Oil and Gas Material Division Annual Meeting (GOMD) S. i. g. 2020
 Sheela S. i. C. e. a. E. g. i. e. e. i. g. T. i. c. (SSCET) Fall 2019
 Chemical and Material Research Training Graduate Technical University of Belgrade Fall 2017
 4h Research Academic Microbiology (RAMC) Fall 2016
 ACS South Eastern Regional Meeting Fall 2016

Additional >50 presentations at AIChE Annual Conference (2016, 2017 and 2019), ACS National Meeting (2017, 2018), ACS Chemical and Surface Science Society (2016, 2017 and 2019) and other conferences.

A

1. B. Bhaui, J. G. Lee, Lig. C. i. i. , Meh. d. f. Maki. g. d. U. i. g. he. C. i. i. f. ad. i. Pe. chemical. Oil. and. Oil. Ref. alf. Wa. e. S. face. 2021, Paper. be. US-20210340420-A1.
2. B. Bhaui, K. T. Val. a. aj, N. P. H. lle, Zei. Ba. ed. L. De. i. P. Ab. be. 2023, i. i. al. a. e. a. lica. be. 18/154488.

B A Google Scholar (https://doi.org/10.1021/acs.chemlett.3c00277) [Link](https://doi.org/10.1021/acs.chemlett.3c00277)
A (*c. e. di. g. a. h.)

Under review

1. A. Al. Ha. a*, R. H. Pa. el, J. G. Lee, O. O. ele, J. H. Ch. , a. d. B. Bhaui*, N. -eci. cal. i. e. aci. , e. a. abili. , a. d. d. a. lic. ec. fig. ai. i. c. ll. idal. a. e. blie.
2. R. Pa. el, L. E. Saab, P. J. B. aha. a, K. T. Val. a. aj, B. Bhaui*. Ka. a. d. e. facial. aci. i. f. e. fl. alk. ca. b. lic. acid. (PFC.)
3. K. A. G. ill, A. Al. Ha. a*, P. J. B. aha. a, N. D. Ogb. a, N. S. L. b. ad, J. La. e. ce, Y. A. , M. G. Be. , B. Bhaui*

5. K. J. M. Bihari*, S. L. Bhatnagar, B. Bhatnagar, A. Choudhary, A. K. Mishra, and A. K. Mishra, *Appl. Res. Chem. Biomol. Eng.* **2023**, *14*, 1-30. [Li k](#)
6. Y. Ma, C. Heil, G. Nag, W. T. Heller, Y. A., A. J. A. A., B. Bhatnagar*, S. G. Ghosh, and A. K. Mishra, *Langmuir* **2023**, *39*, 5917-5928. [Li k](#)
7. C. Heil, Y. Ma, B. Bhatnagar, A. J. A. A., C. Heil, and A. K. Mishra, *ACS Omega* **2023**, *3*, 839-844. [Li k](#)
8. A. J. Pele, P. J. Bhatnagar, M. Bhatnagar, J. G. Bhatnagar, and B. Bhatnagar*, *Trends in Microbiology* **2023**, *10*, 159-164. [Li k](#)

39. B. Bha i*, D. R k ki, K. Ha , A. U. K a , C. K. Hall, O. D. Vele *, Ca illa Bidgi ga aT f A e bli g Di ce e Cl e f Pa ch Pa icle , *J. Am. Chem. S c.*, **2016**, *138*, 14948-14953. [Li k](#) *J. Am. Chem. S c.* igh, **2016**, *138*, 15510.
40. K. Ha , C. W. Shield , N. M. Di aka , B. Bha i, G. P. L e O. D. Vele *, Se* e ce- E c ded C ll idal O igai ia d Mic b A e bte F Pa ch Mag e ic C be , *Sci. Ad .*, **2017**, *3*, e1701108 (1-6). [Li k](#)
41. B. Bha i, F. K gle , C. K. Hall, S. H. L. Kla , O. D. Vele , M lidi e ci al C ll idal A e bli C c e E ec idal Mag e ic F id , *S f Ma e*, **2016**, *12*, 7747-7758. [Li k](#) J al c e
42. A.P. Riche , B. Bha i, H. A g, J. S. B , D. Ple , V. N. Pa , S. D. S a , O. D. Vele *, S he i ad Cha ce i ai f Bi deg adable Lig i Na la icle i hT able S ace P e ie , *La gm i*, **2016**, *32*, 6468-6477. [Li k](#)
43. D. M ale , B. Bha i

54. B. Bha i, G. H. Fi de egg, O. D. Vele *,