

**B G S College of Engineering & Technology,
Mahalakshmpuram-560086.**

RESUME

Name	Dr. Channa Keshava Naik N			
Date of Birth	14.06.1993			
Address	<p>Contact Address: Dr. Channa Keshava Naik N, Assistant Professor, Mechanical Engineering Department, BGS College of Engineering and Technology, Bangalore-86</p> <p>Residential Address: #37, Sri Durga Nilaya, 4th Main, 4th Cross, Near Basava Bavana, Siddharameswara Extension Tumkur-572103, Karnataka.</p> <p>Contact No: +91 8123213250</p> <p>E-mail: dr.naik.bgsacet@gmail.com Mobile: +91 8123213250</p>			
Department/Discipline	Mechanical Engineering			
Educational Qualification	Exam Passed (Pl. Tick)	Institution/University	% & CGPA Obtained	Year
	Degree: B.E. Mechanical Engineering	Siddaganga Institute of Technology, Tumkur	9.0 CGPA	2015
	PG: M.Tech Thermal Power Engineering	Siddaganga Institute of Technology, Tumkur	9.5 CGPA	2017
	Higher: Ph.D. Renewable Energy	Siddaganga Institute of Technology, Tumkur	Awarded	2022
	Others	Life Member of Indian Society for Technical Education-AICTE, New Delhi, India.	Awarded	2019
Experience	Nature of Experience		No. of Years	
	Teaching		02	
	Research		03	
	Total No. of years of Experience		05	
Experience Details	Designation	Institution/Organization	Duration	
	Assistant Professor	Acharya Institute of Technology, Bangalore	2017-2019	
	Full-Time Research Scholar	Siddaganga Institute of Technology, Bangalore	2019-2022	
	Assistant Professor	BGS College of Engineering and Technology, Bangalore	2022-Till Date	
Professional bodies Membership	Life Member of Indian Society for Technical Education (LMISTE), Membership ID: LM 128122; Membership Type: Professional			
Other Experience	-Nil-			
Areas of Research Interest & Guidance	Renewable Energy, Solar Thermal Collectors, Design Testing, Validation & Control, Robotics and Automation, 3D Printing Technology, Nano Material Science, New Product Design & Development.			
Distinctions/Awards Received	<ol style="list-style-type: none"> Awarded for Best Oral Presentation in the National Conference on Recent Advances in Industrial Engineering and Applied Chemistry (NCRAIEAC – 2019) on 21st October held at SSIT, Tumakuru Secured 1st Position in Technical Paper Presentation in National Level Students Technical Symposium on 23rd September 2016 held at SIT, Tumakuru PG project got selected for 40th Series of Student Project Programme (Biofuel/Bioenergy, 2016-2017), Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science (IISc) Campus, Bengaluru- 560012. 			

National/International Workshop/Seminars / Conferences Attended	SISI.No	Faculty Development Programme and Workshop on	Venue (Online/Offline)	Date
	01	“Five Day Online Faculty Development Programme on Advances & Challenges in Electric Vehicle Technology-2022”	RNS Institute of Technology, Bengaluru	14.11.22 to 18.11.22
	02	“Three Day Online National Level Seminar on Effective Implementation of NEP Multidisciplinary Education and Strategies”	Sri Sairam College of Engineering, Bengaluru	10.11.22 to 12.11.22
	03	“Two-Week Online Entrepreneurship Course”	Turnip Innovations Pvt.Ltd, Mani Casadona, Kolkata	10.10.22 to 23.10.22
	04	“One-Week National Level Faculty Development Program on “Renewable Energy for Sustainable Development”	Bharat Ratna Indira Gandhi College of Engineering, Solapur, Maharashtra.	01.03.2022 to 05.03.2022
	05	“Ten Day Workshop on “Research Methodology Course”	Sardar Patel University, VallabhVidyanagar, Gujurat.	14.02.2022 to 23.02.2022
	06	“Five Day International Online Faculty Development Program on “Industry 4.0 with EMPHASIS on ROBOTICS and Automation”	D Y Patil College Engineering, Akurdi, Pune.	21.02.2022 to 25.02.2022
	07	“Five Day Faculty Development Program on “No Code AI”	Presidency University, Bangalore.	01.02.2022 to 05.02.2022
	08	“Methods of Computation in Fluid Flows-An Industrial Approach”-A CFD Analysis	SJC Institute of Technology, Chickballapur , Karnataka.	28.01.2019 to 01.02.2019
	09	“One-week Online Faculty Development Program on Industrial Automation” –Industry 4.0	SJB Institute of Technology, BGS Health & Education City, Bangalore.	04.04.2022 to 09.04.2022
	10	“Faculty development Programme on Recent advances in IC Engines”-2018 (RAICE)	Dr. Ambedkar Institute of Technology, Bengaluru.	01.04.2018 to 05.04.2018
	11	“Micrositing in Renewable Energy Sources”	Arasu Engineering College, Kumakonam, Tamilnadu.	20.05.2021
	12	“Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering”	NMAM Institute of Technology, Nitte, Karkala.	22.12.2020 to 23.12.2020
	13	“Developments in Solar Dryers, Collectors and Absorber Materials”	UBDT College of Engineering, Davanagere.	16.07.2020
	14	“Thermal Spray Technology-working principles, types and applications”	JSS Academy of Technical Education, Bangalore in association with IIF, Bangalore	29.01.2022
15	“Role of Mechanical Engineers in Aerospace Domain”	Brindavan College of Engineering, Bengaluru	27.05.2021	

16	“Sources of Research Grants and Art of Writing a Research Paper”	RL Jalappa Institute of Technology, Doddaballapura.	03.06.2021
17	‘Industry-Academia Conclave: Employability Enhancement of Post Graduate Students	RVCE, Bengaluru	05.02.2016
18	“National Workshop on Computational Dynamics”	National Institute of Technology Karnataka, Surathkal, Mangalore	26.09.2022 to 27.09.2022
19	“Biofuel Workshop Sponsored by KSCST”	Siddaganga Institute of Technology, Tumakuru	28.09.2022 to 29.09.2022
20	“Emerging Trends in Alternate Fuels”-2016	Siddaganga Institute of Technology, Bengaluru	19.09.2022
21	All India Seminar on “Clean Technology-Smart Microgrid to Smart City”.	BMS College of Engineering, Bengaluru	29.09.2016 to 30.09.2016
22	“Biofuel – Opportunities and Challenges”	Siddaganga Institute of Technology, Tumakuru	16.03.2017 to 17.03.2017
23	NBA-WORKSHOP	Acharya Institute of Technology, Bengaluru	15.12.2018 to 16.12.2018
24	Webinar on “Solar Still”	Arasu Engineering College, Kumbakonam, Tamil Nadu.	17.05.2021
25	“Performance and Analysis of Dye-Sensitized Solar Cell (DSSC)”	Arasu Engineering College, Kumbakonam, Tamil Nadu.	23.05.2021
26	“Friction Assisted Stir Technology, (FAST-2022)”	Faculty of Engineering and Technology, Annamalai University	05.02.2022

**No.ofPapersPresented/Published
BooksPublished**

Sl. No.	Title	Journal / Conference details
1	“Comparative Study of Pebble Absorber Solar Thermal Collector (PASTC) with Conventional Absorber Solar Thermal Collector (CASTC)”	Materials Today: Elsevier Publication, Vol. 46, Issue 7, 2021,pp.2641-2646.DOI:doi.org/10.1016/j.matpr.2021.02.354
2	“Role of fin material and nanofluid in performance enhancement of automobile radiator”	Advances in Mechanical Design, Materials and Manufacture, American Institute of Physics Publication, 1943, 020104 (2018). DOI:10.1063/1.5029680
3	“Experimental and Numerical Analysis of Thermal Performance of Novel Pebble Solar Thermal Collector (PSTC)”	Ain Shams Engineering Journal, Elsevier (Q1): Status-Under Review
4	“Evaluation and Comparison of Performance of a Solar Pebble Absorber Collector with a Conventional Flat Plate Collector”	Materials Today, Elsevier Publication, Vol. 52, Issue 3, 2022,pp.266-273,DOI: https://doi.org/10.1016/j.matpr.2021.08.025
5	“Use of CaO and Na3PO4 Catalysts in the Synthesis of Biodiesel and	Elsevier Publication, Vol. 04, Issue 10, 2017, pp.11111-11117.DOI:https://doi.org/10.1016/j.matpr.2017.08.074

	Investigation of Fuel Properties”	
6	“Numerical Simulation and Experimental Validation of Pebble Absorber Solar Thermal Collector [PASTC]”	Indian Journal of Science and Technology, Indexed in “Web of Science”,Article Id: IJST-2022-300, Article Status: Under Review.
7	“Transesterification of Pumpkin Oil using Nano Calcium Oxide Catalyst”	International Journal of Innovative Research and Development (IJIRD), Vol. 5, Issue, 11, pp.58-61, October,2016.
8	“Effect of Performance, Combustion and Emission Characteristics on a CI Engine Fueled with Polanga Biodiesel”	International Journal of Engineering Research and Technology (IJERT),Vol.08, Issue-01,Jan, 2019
9	Experimental investigation on the performance and emissions of a diesel Engine fuelled with Buteamonosperma biodiesel and its blend with conventional diesel.	International Journal of Current Research (IJCR), Vol. 9, Issue, 04, pp.49211-49214, April, 2017.
10	“Identification, Development, Synthesis and Characterization of Biodiesel from Non-Edible Oil Seeds”	9th KSTA Annual Conference on Science, Technology and Innovations in the 21st Century on 20th December 2016 held at CHRIST University, Bangalore, Karnataka.
11	“Transesterification of Butea Monosperma oil: An Optimization Study”	National conference on Renewable Energy Technology: Future, opportunity, and Challenges for India (RET: FOAC-2017) on 9th March 2017 held at Center forPG Studies, VTU Mysuru, Karnataka.
12	“Preparation of CaOnanocatalyst and its applicaton on biodiesel production using Butea monosperma oil: An optimization study”	National Level Students Technical Symposium on 7th October 2017 held at SIT Tumakuru, Karnataka.
13	“Optimization of Biodiesel Production from Yellow Oleander Using Response Surface Methodology”	International Conference on Advancements in Aeromechanical Materials for Manufacturing on 8th July, 2016 held at MLR Institute of Technology, Hyderabad.

Additional Information
(Patents,ifany)

Applied for Indian Patent under: **National Research Development Corporation (NRDC) [An Enterprise of DSIR, Ministry of Science & Technology, Government of India], NRDC_MoMSME_IP Facilitation Centre, Madhurwada, Rushikonda, Visakhapatnam, Andhra Pradesh-530 045.**

Title of Invention:- **“Development of Pebble Absorber Solar Thermal Collector”**

Patent application ref.no:-**NRDC/IPFC/VSKP/PA42/2021-22.**

Status:The Proposal is assigned **Patentability assessment.**

Date:

SignatureoftheCandidate