




## GANGADHAR MEHER UNIVERSITY, SAMBALPUR (Faculty Profile)

<b>Name</b>	Susanta Kumar Das, Ph. D.			<b>Photograph</b>
<b>Designation</b>	<ul style="list-style-type: none"> <li>• Professor and Head, School of Physics</li> <li>• Director, Internal Quality Assurance Cell</li> <li>• Coordinator, Career Counseling and Placement</li> <li>• Coordinator, Information Science and Telecommunication</li> <li>• Coordinator, Electronics and Telecommunication</li> </ul>			
<b>School</b>	School of Physics			
<b>Address (Office)</b>	School of Physics, GM University			
<b>Address (Residence)</b>	Gopalmal (Jagya madam) Sambalpur, Pin-768004, Odisha			
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<b>ORCID ID</b>				
<b>Researcher ID</b>	<a href="#">AAY-1834-2020</a>			
<b>SCOPUS ID</b>	57211464818			
<b>PubMed ID</b>				
<b>Qualifications</b>				
Degree	Institution	Year	Subject Details	
M. Sc	Utkal Univeristy, Bhubaneswar, Odisha	1994	Physics	
M.Tech	Indian Institute of Technology, Delhi	1997	Solid State Materials	
Ph. D.	Indian Institute of Technology, Kharagpur	2007	Physics	
<b>Areas of Interest/ Specialization</b>				
Solid State Ultrafast Laser, Nonlinear Optics, Photovoltaic, Photocatalysis, Optoelectronics materials				
<b>Teaching/Research Experience</b>				
Organization/Institution	Designation	Duration	Role	
Gangadhar Meher University (A university of Govt. of Odisha, India), Sambalpur, Odisha, India	Professor and Head, School of Physics	21.02.2020-Cont..	Teaching, Research, Academic Administration	
KIIT Deemed to be University, India	Associate Professor, Coordinator, Physics	10.09.2013-20.09.2020	Teaching, Research, Academic Administration	
Max Born Institute, Berlin, Germany	Postdoc Scientist	16.08.2007-15.08.2013	Teaching , Research	
Raja Ramanna Centre for Advance Technology(DAE, Govt. of India), Indore, India				
National Institute of Science and Technology, India	Sr. Lecturer	04.01.1999-22.07.2003	Teaching, R&D	
<b>Awards and Honors (Top Five only)</b>				

<ul style="list-style-type: none"> <li>■ Best Poster Award at 2nd International Conference on Condensed Matter and Applied Physics, Bikaner, Rajasthan (2017)</li> <li>■ "A-Category faculty" at KIIT University (2017)</li> <li>■ Post Doctoral Fellowship from Max Born Institute for Nonlinear Optics and Short pulse spectroscopy, Berlin, Germany (August 2007-August 2013)</li> <li>■ Post Doctoral Fellowship from Raja Ramanna Center for Advance Technology (Govt. of India) (March 2007- June 2007)</li> <li>■ Institute fellowship for pursuing Ph. D at Indian Institute of Technology, Kharagpur (July 2003- January 2007)</li> <li>■ Institute fellowship for pursuing Master of Technology program at Indian Institute of Technology, Delhi ( July 1996- Dec. 1997)</li> <li>■ Assistantship from Optical Society of America to attend conference abroad (2006)</li> <li>■ Assistantship from Dept. of Science and Technology to attend conference abroad (2006)</li> <li>■ Assistantship from Council of Scientific and Industrial Research (India) (2006)</li> </ul>
<b>International Collaboration/Consultancy (Top Five only)</b>
<ul style="list-style-type: none"> <li>• Dr. Ruediger Grunwald, Max Born Institute, Berlin, Germany</li> <li>• Prof. Enda McGlynn, Dublin City University, Ireland</li> <li>• Prof. Frank Guell, University of Bercilona, Spain</li> <li>• Dr. Samarendra Mohanty, Nanoscope, USA</li> <li>• Dr. Sudhiranjan Tipathy, A Star, Singapore</li> </ul>
<b>Extra-mural Projects (Give Details)</b>
Completed : 0 Projects in hand : 2 Projects submitted: 0
<b>PhD Guided/Ongoing</b>
Guided ( 5 ), Guiding ( 6 )
<b>Publications</b>
Number of Publications: Books/Monographs : Total ( 0 ), Last Five Years ( ), Last Three Years ( 1 ), Last One Year ( ) Book Chapters : Total ( 0 ), Last Five Years ( 0 ), Last Three Years ( 0 ), Last One Year ( 0 ) Research papers: Total ( 92 ), Last Five Years ( 12 ), Last Three Years ( 7 ), Last One Year ( 5 ) Reviews: Total ( ), Last Five Years ( ), Last Three Years ( 1 ), Last One Year ( 0 ) Book chapters: Total ( 4 ), Last Five Years ( 0 ), Last Three Years ( 0 ), Last One Year ( 0 )
<b>Best Peer/Review Publications (Up to 5)</b>
<ul style="list-style-type: none"> <li>• Enhancement of photocatalytic activity by femtosecond-laser induced periodic surface structures of Si, P. Satapathy, A. Pfuch, R. Grunwald, and S. K. Das, Journal of Semiconductors, 41(2), 000000 (2020), <a href="http://www.jos.ac.cn/fileBDTXB/journal/article/jos/newcreate/19080021.pdf">http://www.jos.ac.cn/fileBDTXB/journal/article/jos/newcreate/19080021.pdf</a></li> <li>• Efficient UV photocatalytic dye decomposition activity with cost effective solid state reaction grown Zinc Orthotitanate (Zn<sub>2</sub>TiO<sub>4</sub>) nanoparticles, L. Khatua, R. Panda, A. K. Nayak, A. Singh, P. K. Sahoo, D. Pradhan, U. P. Singh, S. K. Das, Journal of Alloys and Compounds, 764, 895–900 (2018)</li> <li>• Multiphoton excitation of surface plasmon-polaritons and scaling of nanoripple formation in large bandgap materials, S. K. Das, H. Messaoudi, A. Debroy, E. McGlynn, and R. Grunwald, Optical Materials Express, 3, 1705 (2013).</li> <li>• Femtosecond laser-induced periodic surface structures revisited: a comparative study on ZnO, D. Dufft, A. Rosenfeld, S K Das, R. Grunwald, and J. Bonse, Journal of Applied Physics, 105, 034908 (2009)</li> <li>• Efficient second harmonic generation in ZnO nanorod arrays with broadband ultrashort pulses, S K Das, M Bock, C O'Neil, R Grunwald, K Lee, H Lee, S Lee, F Rotermund Applied Physics Letters, 93, 181112 (2008)</li> </ul>
<b>Paper Presentation in Major Conferences (Up to 5)</b>
<ul style="list-style-type: none"> <li>• Laser processed micro-groove based black Si, Pravakar Satapathy, P. Chandrakanta Singh, Pratap Kumar Sahoo, Ritwick Das, Udai Pratap Singh, Susanta Kumar Das, AIP Conference Proceedings 2105, 020025 (2019).</li> <li>• Use of Photovoltaic Detector for Photocatalytic Activity Estimation, S. K. Das, et. al., , American Institute of Physics (AIP) Conference Proceedings, 1953, 060024 (2018)</li> <li>• Scattering-controlled femtosecond-laser induced nanostructuring of TiO<sub>2</sub> thin films, S. K. Das, M. Bock, and R. Grunwald, Proc. SPIE 7925-42 (2011), SPIE Photonics West, San Francisco, USA, Jan. 22-Jan. 27 (2011)</li> <li>• Highly-efficient second harmonic generation in ZnO nanorods with ultrashort pulses, S K Das, M Bock, C O'Neill, R Grunwald, K M Lee, H Woon Lee, S Lee, and F Rotermund, paper IML6, CLEO/IQEC USA (2009).</li> <li>• Strong multiphoton-absorption-induced UV luminescence from ZnO nanorod arrays grown by vapour-liquid-solid mechanism, S. K. Das, M. Bock, E. McGlynn, M. Biswas, and R. Grunwald, paper EI.P.11, CLEO Europe – EQEC (2009).</li> </ul>
<b>Patents (if any)</b>
Filed: ( 1 ), Accepted: ( 0 )
<b>Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener</b>
National: ( 4 ), International: ( 0 )
<b>Memberships of Professional Bodies/Societies (Up to 5)</b>

- Life member, Indian Laser Association
- Life member, Indian Science Congress

**Other Details (Academic/Research Related)**

Other details can be found the website link given below

Website :

<https://publons.com/researcher/3869102/susanta-kumar-das/>

[https://www.researchgate.net/profile/Susanta\\_Das2](https://www.researchgate.net/profile/Susanta_Das2)

<https://scholar.google.com/citations?user=vJ7EyL8AAAAJ&hl=en&oi=ao>

<https://www.youtube.com/watch?v=nLBU5PIBAw4>

<https://www.gmuniversity.ac.in/departement.php?did=c74d97b01eae257e44aa9d5bade97baf>

**Research Matrix [Current]**

Database	Total citations	Total publications	Open Access	h-index
WoS	846	62	12	14
Publons	846	62	12	14
Scopus	62	83	12	14
PURE				
GS	1246	92	16	16
RG	915	82	16	
ICI				

(Signature)