


## Brief CV

<b>Name</b>	Kolan Madhav Reddy	中文名		
<b>Gender</b>	Male	<b>Title</b> (Pro./Dr.)	Dr.	
<b>Position</b> (President...)	Associate Professor	<b>Country</b>	P. R. China	
<b>University/ Department</b>	Shanghai Jiao Tong University/ School of Materials Science and Engineering			
<b>Personal Website</b>	<a href="http://en.smse.sjtu.edu.cn/">http://en.smse.sjtu.edu.cn/</a>			PHOTO
<b>Research Area</b>	Advanced Ceramics			

### Brief introduction:

Dr. Kolan Madhav Reddy is currently an Associate Professor in School of Materials Science and Engineering at Shanghai Jiao Tong University (SJTU), China. His research primarily focuses on the relationship between processing, structure and properties correlation of advanced ceramic materials. His contributions to materials research- includes probing the atomic structure of nanoscale shear bands in boron rich solids using a newly developed annular bright field scanning transmission electron microscopy (ABF-STEM), understanding the deformation mechanisms of nanotwinned and nanocrystalline superhard ceramics, identify structures of tau-boron ( $\tau$ -B) and tau-boron suboxide ( $\tau$ -B<sub>6</sub>O), development of multistage spark plasma sintering for various oxide and non-oxides for structural and biomedical applications. In his brief research career, he has authored and co-authored more than 25 research papers in highly reputed journals and filed a patent. In recognition to his outstanding contribution in the field of materials science received prestigious Dr. R L Thakur Memorial Award-2017 (*National Young Scientist*) from Indian Ceramic Society.

Prior to joining SJTU, he had conducted postdoctoral studies at Johns Hopkins University, USA. He received his PhD degree in Materials Science from Tohoku University, Japan. He obtained undergraduate and postgraduate degrees, both in Materials Science and Metallurgical Engineering from Jawaharlal Nehru Technological University (JNTU), Hyderabad and Indian Institute of Technology Kanpur (IIT), India.

\*\*\*\*\*All the columns need to be filled in.