

# SUFYAN SHAIKH

Basera House, Near Memon Masjid, Kalyan, Maharashtra – 421 301  
sufyanshk@gmail.com | +91 8087673658

<https://linkedin.com/in/sufyanshk>



<b>EDUCATION</b>	<b>Ph. D. Metallurgical &amp; Materials Engineering</b>		<b>2018</b>
	Indian Institute Of Technology Madras, Chennai (upgraded from M. Tech.)		
	<b>M. Tech. Metallurgical &amp; Materials Engineering</b>	<b>9.16/10</b>	<b>2017</b>
	Indian Institute Of Technology Madras, Chennai		
	<b>B. Tech. Metallurgical Engineering</b>	<b>8.59/10</b>	<b>2011 – 2015</b>
	College Of Engineering, Pune		
	<b>XII Computer Science</b>	<b>83.17%</b>	<b>2010 – 2011</b>
	K M Agrawal College, Kalyan		
	<b>X</b>	<b>90.30%</b>	<b>2008 – 2009</b>
	National Urdu High School, Kalyan		

**WORK EXPERIENCE** | **Materials Lab Engineer** **May 2015 – June 2017**  
Bekaert India Technical Center

- Head Materials Lab of Bekaert India Technical Centre. It has Fatigue testing, UTM, Adhesion testing, Rheology testing, Metallurgical testing, Tire and Hose forensics & New product development capabilities.
- Failure analyst of in-service and process failed components, raw material inspection, mechanical-metallurgical testing.
- Technical support to production teams for process optimization; R&D, New Product Development teams for advance SEM structural characterization; Sales team for customer complaints.
- Department representative of Quality and Safety control system (ISO9001, TS16949 and OHSAS18001).
- Process and metallography investigator of Galvanized and Brass coated steel wires trained at Bekaert Technology Center, Belgium; Bekaert Asia R&D Center, China; Plants in China, Indonesia, Czech Republic.

**Intern – Materials Lab** **May 2013 – June 2013**  
Bekaert India Technical Center

- Developed and optimized existing metallographic sample preparation techniques for Indian labs.
- Developed color etchants for stainless steel wires.
- Saved 22% sample preparation time.

**RESEARCH** | **Patenting heat treatment** **February 2017 – June 2017**  
Bekaert India Technical Center

- Worked to find out Pearlite, Bainite and Martensite transformations during patenting of high Carbon steel wires.
- Pearlite and Bainite were quantified by characterizing samples on SEM.

**Welding of 300 µm dia. high carbon steel wire** **July 2015 – July 2016**  
Bekaert India Technical Center

- Optimization of existing welding method of 0.30 mm 0.80% Carbon, severely drawn steel wire; without compromising bending ductility of the weld.

**Metallurgical Changes in Tire Cord** **May 2015 – July 2015**  
Bekaert India Technical Center

- Studied microstructural evolution during wet drawing of high carbon steel wire Tire Cords, by characterizing samples on optical microscope.

**Surface Mechanical Attrition Treatment** **January 2013 – May 2015**  
College Of Engineering, Pune

- SMAT (with Silicon powder) of Aluminum 6061-T6 to get uniform distribution of Silicon layer on sample surface with improved hardness.

**TRAININGS | Bekaert India Leadership Intervention** **November 2016 – May 2017**

- Leadership development training of experiential learning method of 6 levels spread across 7 months.
- Topics – Leadership Excellence, Interpersonal Excellence, Work Excellence, Cross Functional Excellence, Presenting Like A Leader, Decision Making.

**Energizing Accelerated Growth Through Leadership Excellence** **2013 – 2014**

- Corporate training program spread across multiple classroom sessions for 1 year during 2<sup>nd</sup> year of B. Tech. at college.

**ACHIEVEMENTS | Ministry Of Steel, Govt. Of India** **2015**

- Awarded scholarship of ₹ 120,000 at the end of 4<sup>th</sup> year of graduation for academic excellence.

**National Metallurgy Day – Annual Technical Meet** **November 2014**

- Won poster presentation competition for project work on Surface Mechanical Attrition Treatment.

**Guinness Book Of World Records** **November 2012**

- Participant of Maximum Number Of People Solving Rubik's Cube simultaneously.