

Curriculum Vitae of Prof. Rafat Siddique

Senior Professor of Civil Engineering &
Former, Dean of Faculty Affairs (2010-2014)
Thapar University
Patiala (Punjab) – 147 004 INDIA

Email: siddique_66@yahoo.com ,
rsiddique@thapar.edu

Tel: (91)-175-2393027 (W), 2393204 (R)

Mobile: (91) 98760 - 78644

Editor, Construction and Building
Materials (*Elsevier*)

Associate Editor, Journal of Materials
in Civil Engineering (*ASCE*)

Associate Editor, Journal of Sustainable
Cement-Based Materials (*Taylor &
Francis*)

Associate Editor, Journal of King Saud
University (Engineering Sciences),

Date of Birth: July 08, 1966

ACADEMIC QUALIFICATIONS

- 2-years Post-doctoral work at the University of Wisconsin-Milwaukee, USA (2001-03)
- Ph.D. in Civil Engineering from Birla Institute of Technology & Science, Pilani, India (1993)

ACADEMIC EXPERIENCE

Aug 2010 – Present	Senior Professor	Thapar University, Patiala, India
Nov 2003 – Aug 2010	Professor	Thapar University, Patiala, India
Aug. 1994 – Nov 2003	Assistant Professor	Thapar University, Patiala, India
Aug. 1990 – July 1994	Lecturer	Birla Institute of Technology & Science, Pilani, India
Jan 1989 – Aug. 1990	Assistant Lecturer	Birla Institute of Technology & Science, Pilani, India

- **Invited Professor/Researcher at number of universities in Europe/USA**

Nov 2-21, 2014	Invited Professor	University of La Rochelle, <i>France</i>
June 5-30, 2012	Invited Professor	ENS, Cachan, <i>France</i>
September 5-20, 2011	Invited Researcher	University of Wisconsin, Madison, <i>USA</i>
Dec 1-20, 2010	Visiting Professor	University of Cergy Pontoise, <i>France</i>
June 24-July 14, 2009	Invited Researcher	BAM, Berlin, <i>Germany</i>
June 1-23, 2009	Visiting Professor	University of Cergy Pontoise, <i>France</i>
July 2-13, 2008	Invited Researcher	Consolis Technology, Rusko, <i>Finland</i>
June 2 -July 1, 2008	Visiting Professor	University of Cergy Pontoise, <i>France</i>
June 4-July 13, 2007	Visiting Professor	University of Wolverhampton, <i>UK</i>
June 5 -July 4, 2006	Visiting Professor	INSA Rennes, <i>France</i>
June 13 -July 13, 2005	Visiting Professor	University of Cergy Pontoise, <i>France</i>

MANAGEMENT EXPERIENCE

- *Dean of Faculty Affairs*, Thapar University, Patiala (Punjab) (Sep 2010-Sep 2014)
- *Head, Civil Engineering Department*, Thapar University, Patiala (Punjab) (Nov 2003-Nov 2006)
- *Chairman & Superintendent*, End Semester Examinations, Thapar University, Patiala (Punjab) May 2004
- *Hostel Warden*, Thapar University, Patiala (Punjab), India (May 1995-April 1999)
- *NSS Program Coordinator*, Thapar University, Patiala (Punjab), India (May 1995- Sep 1999)
- *Incharge, Undergraduate Courses (Civil Engg.)*, Thapar University, Patiala (Punjab)(Sep 1996-March 2000)
- *Incharge, Concrete Structure Lab*, Thapar University, Patiala (Punjab), India (July 1995-Aug 2001)
- *Coordinator, Project Semester (Practical Training)*, Thapar University, Patiala (Punjab) (Aug 2000-Aug 2001)
- *Incharge Instruction*, Distance Learning Programs Division , BITS, Pilani (Rajasthan) (Jan 1989-July 1994)

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Life Member, Indian Concrete Institute
- Life Member, Indian Society for Technical Education, India
- Chartered Engineer, Institute of Engineers (India)
- Assoc Member, Indian Concrete Institute

RESEARCH EXPERIENCE

- **H-Factor - *Rated amongst top 15 globally in my research area in Google Scholar***
 Google H-Factor: 34 (Total Citations: 4100+)
<http://scholar.google.co.in/citations?hl=en&user=wBrZU2MAAAAJ>
- **Research Interest**
 - Use of Industrial By- Products in Cement-Based Materials
 - Self-Compacting Concrete
 - Properties of Concrete at Elevated Temperatures
 - Microbial Concrete
 - Characterization of Leachate from Concrete made with Waste Materials
- **Editor of Journal**
 - *Editor, Construction and Building Materials (Elsevier)*
 - *Associate Editor, Journal of Materials in Civil Engineering (ASCE)*
 - *Associate Editor, Journal of Sustainable Cement-Based Materials (Taylor & Francis)*
 - *Associate Editor, Journal of King Saud University (Engineering Sciences)*
- **Supervisor of 14 Ph.D. & 41 M.E. thesis research work**
- **Investigator of 11 Sponsored Research Projects (8 as PI and 3 as Co-PI)**

- **Published 190 + research papers**
 - **120 research papers** in peer-reviewed **20 Journals** (*ACI, ASCE, ASTM, Elsevier, Techno-Press, Taylor & Francis, etc*)
 - **77 research papers** in conferences
- **Published 4 books including two books by Springer titled**
 - (i) *Waste Materials and Byproducts in Concrete*
 - (ii) *Supplementary Cementing Materials*
- **Editorial Board Member of Journals**
 - Proceedings of Journal of Civil Engineering, Thomas Telford (2009-2011)
 - Karaelmas Science and Engineering Journal, Zonguldak Karaelmas University, Turkey
- **39 foreign visits** to USA, Germany, Singapore, France, Belgium, United Kingdom, Italy, Malaysia, New Zealand, Finland, Canada, Switzerland, Portugal, UAE, Mexico, Hong Kong, Turkey, China, Japan, Burkina Faso, Indonesia, Saudi Arabia, Spain, Botswana
- **Reviewer of 22 reputed International Journals** of ASCE, ACI, Elsevier, Springer, Techno-Press, Taylor & Francis, Thomas Telford
- **Reviewer of Research Proposals**
 - Kazakhstan Research Council, Kazakhstan
 - Austrian Science Foundation;
 - University of United Arab Emirates
 - Ministry of Water Resources; GOI, and
 - Department of Science and Technology, GOI.
- **Delivered number of expert/invited lectures at various universities/organizations**
 - North America**
 - Penn State, State College, *USA*
 - Auburn University, Alabama, *USA*
 - University of Wisconsin, Milwaukee, *USA*
 - University of Sherbrooke, Canada
 - University of Wisconsin, Madison, *USA*
 - University of Guanojuato, *Mexico*
 - Widener University, Philadelphia, *USA*
 - Concordia University, Montreal, *Canada*
 - Europe**
 - University of La Rochelle, *France*
 - EPFL, Lausanne, *Switzerland*
 - ENS Cachan, Paris, *France*

- BAM, Berlin, *Germany*
- Queens University, Belfast, *Northern Ireland*
- Consolis Technology, Rusko, *Finland*
- University of Bath, Bath SPA, *United Kingdom*
- Politecnico di Milano, Milan, *Italy*
- Ghent University, Ghent, *Belgium*
- University of Wolverhampton, Wolverhampton, *United Kingdom*
- INSA Rennes, *France*;
- University of Aveiro, *Portugal*
- INSA, Toulouse, *France*;
- University of Cergy Pontoise, Cergy Pontoise, *France*;

China/Hong Kong

- Hong Kong University of Science & Technology (HKUST), Hong Kong
- Hunan University, Changsha, *China*
- South China University of Technology, Guangzhou, *China*
- Tongji University, Shanghai

Others

- University of Canterbury, Christchurch, *New Zealand*;
- Istanbul Technical University, Istanbul, *Turkey*
- American University of Sharjah, *UAE*
- Gadjah Mada University, Yogyakarta, *Indonesia*.

• Research Collaborations/Interaction with

- University of La Rochelle, *France*
- King Saud University, Riyadh, *Saudi Arabia*
- University of Wisconsin, Madison, *USA*
- BAM, Berlin, *Germany*
- University of Cergy Pontoise, *France*
- INSA Rennes, *France*
- Ghent University, *Belgium*
- University of Wolverhampton, *UK*
- Zonduldak Karaelmas University, *Turkey*
- University of Wisconsin-Milwaukee, *USA*
- Consolis Technology, Rusko, *Finland*
- University of Guanajuato, *Mexico*
- Hunan University, Changsha, *China*
- South China University of Technology, Guangzhou, *China*

- **Member of Editorial Board of Journal / Scientific Committee of International Conference a**

- International Workshop - Cement Based Materials and Civil Infrastructure NED University Of Engineering And Technology, **Karachi, Pakistan**, December, 10 - 11 2007
- International Conference on Recent Developments in Structural Engineering (RDSE 2007), **Manipal, India**, August 30-September 1, 2007.
- International Conference: Excellence In Concrete Construction -Through Innovation, Kingston University, **London**, September 9-10, 2008.
- Scientific and Technical Committee Member of the First International Conference on Sustainable Built Environment Infrastructures in Developing Countries (SBEIDCO), **Enset Oran, Algeria**, 03-05 May 2009.
- Second International Symposium on Design, Performance and Use of Self-Consolidating Concrete (SCC'2009-China) **Beijing, China**, June 5-8, 2009.
- 2nd International Conference on Current Trends in Technology, NIRMA University, **Ahmedabad, India**, Dec 8-10, 2011.
- Green 6 Conference, Sustainability Issues in the Built Environment and Construction Materials Technology, Angila Ruskin University, **Cambridge, United Kingdom**, July 3 – 6, 2012.
- 7th Asian Symposium on Polymers in Concrete, **Istanbul, Turkey**, Oct 3-5, 2012
- International Conference on Advances in Cement and Concrete Technology in Africa, **Johannesburg, South Africa**, January 28th – 30th 2013.
- 8th International Symposium on Cement & Concrete (ISCC2013), organized by the Chinese Ceramic Society (CCS) and China Building Materials Academy (CBMA), Nanjing, China during September 20-23, 2013
- Second International Conference on ADVANCES IN CHEMICALLY-ACTIVATED MATERIALS, Changsha, China, June 1-3, 2014
- 3rd International symposium on SCC-2014, Xiamen, China, June 5-8, 2014

CHAIRMAN/ MEMBER OF UGC/AICTE/UPSC COMMITTEES

- Chairman, UGC Expert Committee visit for confirmation of fresh Autonomous Status to GMR Institute of Technology, Rajam, Andhra Pradesh, January 27-28 ,2012
- Advisor (Member) UPSC Engineering Services Examination 2010 & 2011
- Member, UGC Expert Committee for evaluation of the proposals from the Northern Region for providing financial assistance for *Development of Sports Infrastructure and Equipment in Universities and Colleges*, March 26-28, 2011.
- Expert Member, National Board of Accreditation, AICTE, New Delhi – Have done accreditation for more than 16 Engineering Institutions
- Expert Member, UGC, New Delhi Committee for granting 'Deemed University Status' of Institutions, October 2007

MEMBER OF OTHER ACADEMIC BODIES

- Member, Senate, Thapar University, Patiala
- Member Board of Studies, Department of Civil Engineering, Thapar University, Patiala
- Member Board of Studies, Department of Civil Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana
- Member Board of Studies, Department of Civil Engineering, Deen Bandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat (Haryana)
- Member Board of Studies, Department of Civil Engineering, Lovely Professional University, Jalandhar (Punjab)
- Selection Committee Member of Professor/Assistant Professor of TTTI, Chandigarh
- Reviewer of Research Proposal of Ministry of Water Resources; Department of Science & Technology, Government of India, New Delhi; Science Foundation, Austria
- Ph.D. Thesis Examiner of Pondicheery University; RGTU, Bhopal; ME/Ph.D. thesis Examiner of Sultan Qaboos University, Oman