

Resume of Dr. Kulwinder Kaur

Dr. Kulwinder Kaur

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OBJECTIVE

Considering success as a path and not the destination, I continuously pursue to excel in the field of technology and nurture my talents to expose the best of me in the demanding corporate world.

AREA OF INTEREST

- Structural Analysis and Design.
- Advancement in Materials
- Corrosion in reinforced concrete
- Corrosion mitigation with the use of inhibitors
- Sustainability

ACHIVEMENTS

- Recipient of “Young Woman in Engineering Award in the field of Structural Engineering” by VIWA 2020. **Certificate No.: WASN2020-072.**
- Placed in “GAMMON INDIA Ltd.” During B.Tech Degree
- Placed in “LARSON AND TOUBRO-ECC Div” During M.E Degree

WORK EXPERIENCE

Name of Institute	Period	Subject Tought	Level
Punjabi University, Patiala	Dec. 2013- till date	SA-1, SA-2, SA-3, CSD-1, CSD-2, SOM	B.E,
		Pre-stressed Concrete, Advanced Concrete Technology	M.Tech
Thapar University,Patiala	2 nd Aug.2010- 1 st Aug.2011	Advanced Structure Analysis, Bridge Engg	B.E
		Pre-stressed Concrete	M.E
M.M.U Mullana, Ambala	23 rd Jan. 2009- 5 th July.2010	S.A-1, S.A-2, S.A-3	B.E

PUBLICATION DETAILS:

Book Chapters:

1. **Kaur, K.**, Saluja, S., Goyal, S. (2024). Electrochemical Technique to Evaluate Carbonation Behavior of Reinforced Concrete. In: Strauss, E. (eds) Proceedings of the 7th International Conference on Civil Engineering. ICOCE 2023. Lecture Notes in Civil Engineering, vol 371. Springer, Singapore. https://doi.org/10.1007/978-981-99-4045-5_26
2. Saluja, S., **Kaur, K.**, Goyal, S. (2024). Achievement of Roller Compacted Concrete Incorporating GGBS by Using Soil Compaction Approach. In: Strauss, E. (eds) Proceedings of the 7th International Conference on Civil Engineering. ICOCE 2023. Lecture Notes in Civil Engineering, vol 371. Springer, Singapore. https://doi.org/10.1007/978-981-99-4045-5_2

Publication in SCI indexed Journals:

1. Saluja S., **Kaur K.**, Goyal S., Bhattacharjee B. (2021) “Long term Drying Shrinkage of GGBFS-incorporated RCC under various temperature exposures.” *ASCE-Journal of Materials in Civil Engineering*, 33 (6)/ pp.04021122-1/14. (I.F: 3.65). DOI: 10.1061/(ASCE)MT.1943-5533.0003746
2. Saluja S., **Kaur K.**, Goyal S., Bhattacharjee B. (2019) “Assessing the effect of GGBS content and aggregate characteristics on drying shrinkage of roller compacted concrete.” *Construction and Building Materials*, 201, 72-80. (I.F: 7.40) <https://doi.org/10.1016/j.conbuildmat.2018.12.179>
3. **Kaur K.**, Goyal S., Bhattacharjee B., Kumar M. (2017) “Electrochemical impedance spectroscopy to study the carbonation behaviour of concrete treated with corrosion inhibitors.” *Journal of Advanced Concrete Technology*, 15, 738-748. (I.F: 2.0) doi:10.3151/jact.15.738
4. **Kaur K.**, Goyal S., Bhattacharjee B., Kumar M. (2016) “Efficiency of migratory type organic corrosion inhibitors in carbonated environment.” *Journal of Advanced Concrete Technology*, 14, 548-558. (I.F: 2.0), doi:10.3151/jact.14.548

Publication in Referred Journals:

1. **Kaur K.**, Saluja S., Goyal S., Bhattacharjee B. (2020) “Corrosion Inhibitor for preventing carbonation induced rebar corrosion.” *The Indian Concrete Journal*, 94 (11) 29-36.
2. Mushtag S.M., Siddique R., Goyal S., **Kaur K.**, (2021) “Experimental studies and drying shrinkage prediction model for concrete containing waste foundry sand.” *Cleaner Engineering and Technology*, 2, 1-12.
<https://doi.org/10.1016/j.clet.2021.100071>

Publication in Conferences:

1. **Kaur K.**, Goyal S. (2011) “Corrosion inhibitors for preventing corrosion of reinforced concrete structures.” *International Conference on Emerging Trends in Mechanical Engineering*, 998-1005.
2. **Kaur K.**, Saluja S., Goyal S. (2015) “Performance of organic based inhibitors in chloride contaminated steel-reinforced structures.” *LDCEE’15*, ISBN No. 978-93-5254-071-6, 110-115.
3. **Kaur K.**, Purnima, Tiwari A.K., Goyal S. (2022) “Effect of surface applied corrosion inhibitor on two different types of concrete subjected to carbonated environment.” *COBCON*, 19-22nd September, Udaipur, India.

CONFERENCES & WORKSHOP ATTENDED

- 2023 7th International Conference on Civil Engineering (**ICOCE 2023**) during 24-26, 2023 NTU @ one north campus, **Singapore**.
- AICTE Recognized Faculty Development Programme on Alternate technologies in Road Construction (Flexible pavements) During 25-29 May, 2020, Organized by NITTTR, Chandigarh. **Certificate No: ICT-10291/20**
- Workshop on “Getting Started with Ansys: Simulation Driven Engineering Design, Section 1: Structural Analysis”, during 22-24 July, 2020 organized by AWH Engineering College, Kuttikattoor, Kozhikode -8, Kerala. **Participant ID: MEAWHA010097**.
- International Conference on “Emerging Trends in Mechanical Engineering, ICETME-2011,” during 24-26 Feb, 2011 in Thapar university.
- Short-Term training programme on “Software training & use of auto cad” during 31

May,2010 - 4 June,2010 in M.M.U Mullana.

- Training Programme On “Energy Efficiency and Green Rating for Building” during 24-25 Oct,2009 in IIT, Roorkee.
- National Specialty Conference on “River Hydraulics” during 29 – 30 Oct, 2009 in M.M.U Mullana.
- One Weak short term training programme on “Structural Steel Design” during 15-20 June,2009 in NIT, Kurukshetra.
- One Day workshop on “River Water Harvasting” during 5th June, 2009 in M.M.U Mullana.

TRAINING PROGRAMME

Six Months Training Programme in “Structural Design- with software STAAD Pro V8 and Auto Cad 2021” by EDPTI (ISO 9001-2008) **Certificate No.:** ED/DB/21/ON/0056.

PROFESSIONAL QUALIFICATION

Exam. Passed	Univ./Board	Year of Passing	Marks Obtained/ SGPA	Maximum Marks/ SGPA	Percentage	Division
P.hD	Thapar Institute of Engineering &Technology, Patiala	Nov.,2018	10	10	-	-
M.E	P.E.C, Chd.	May,2009	9.8	10	89.2%	1 st
B.E	Punjab Technical University,Jalandhar	May,2007	4675	6350	74%	1 st
Class XII	P.S.E.B	March,2002	282	450	64%	1 st
Class X	P.S.E.B	March,2000	519	650	80%	1 st

P.hD THESIS TITLE

- MIGRATING INHIBITORS FOR PREVENTING CARBONATION INDUCED CORROSION OF REINFORCED CONCRETE

M.E THESIS TITLE

- Analytical Study on “SOIL-STRUCTURE INTERACTION EFFECT” on R.C.C building frames.

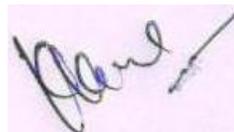
SOFTWARE SKILLS

- Operating Systems: Worked on Windows Vista
- Software's: STAAD Pro., AutoCAD, Origin, ZMAN (software used for electrochemical behaviour of materials)

PERSONAL DETAILS

- Husband's Name : Dr. Sorabh Saluja
- Date of Birth : 5th May,1985.
- Permanent Add. : #32 Good Earth Colony
Near S.G. Apartments, Patiala
Punjab, India -147001
- Sex : Female
- Marital Status : Married

With good communication skills and a strong believer in team work, I can co-ordinate with different levels and have ability to acclimatize. I undersigned certify that the above information is true to the best of my knowledge.



Place: Patiala

(KULWINDER KAUR)