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**Selected Publications:**

- Mohamed A. Eltahaer and Salwa A Mohamed, Buckling and stability analysis of sandwich beams subjected to varying axial loads, *Steel and Composite Structures*, Vol. 34, No. 2, January 25 2020, pp 241-260,
- Mostafa A. Hamed, Salwa A Mohamed and Mohamed A. Eltahaer, Buckling analysis of sandwich beam rested on elastic foundation and subjected to varying axial in-plane loads, *Steel and Composite Structures*, Vol. 34, No. 1, January 10 2020, pp 75-89
- Nazira Mohamed, Mohamed A. Eltahaer, Salwa A. Mohamed and Laila F. Seddek, “Energy equivalent model in analysis of postbuckling of imperfect carbon nanotubes resting on nonlinear elastic foundation”, *Structural Engineering and Mechanics*, Vol. 70, No. 6, June 25 2019, pp 737-750
- Alaa A. Abdelrahman, Mohamed A. Eltahaer, Abdallah. M. Kabeel, Azza M. Abdraboh and Asmaa A. Hendi, “Free and forced analysis of perforated beams”, *Steel and Composite Structures*, Vol. 31, No. 5, June 10 2019, pp 489-502
- Eltahaer, M.A., Mohamed, N., Mohamed, S.A., Seddek, L.F. (2019), “Periodic and nonperiodic modes of postbuckling and nonlinear vibration of beams attached to nonlinear foundations”, *Appl. Math. Model.*, 75, 414-445.

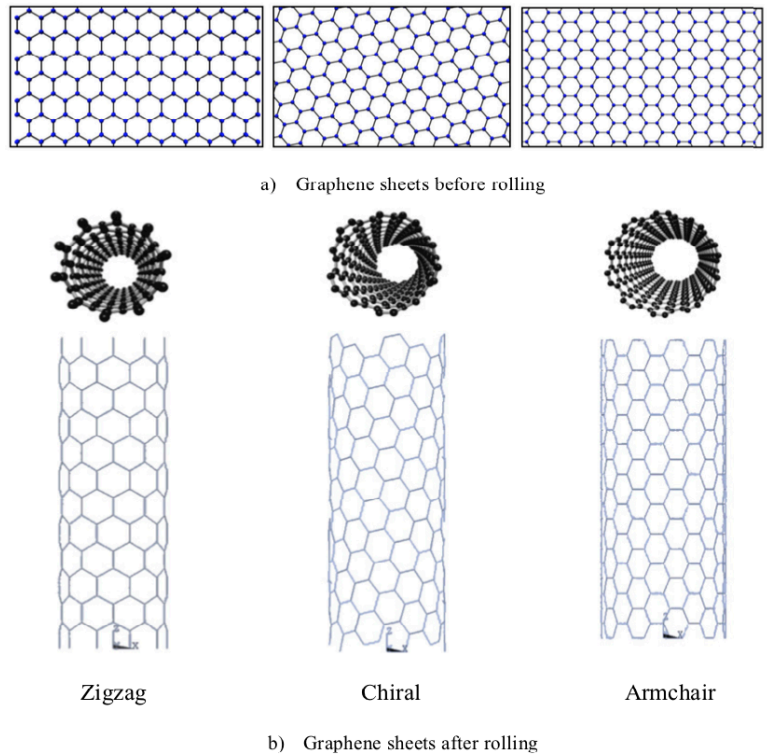


Fig. 2. Three possible structure orientation of SWCNTs.

From: M.A. Eltahaer, T.A. Almalki, K.H. Almitani and K.I.E. Ahmed, “Participation factor and vibration of carbon nanotube with vacancies”, *Journal of Nano Research*, Vol. 57, pp 158-174, 2019

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Eltahaer, M.A.; Kabeel, A.M.; Almitani, K.H.; Abdraboh, A.M. Static bending and buckling of perforated nonlocal size-dependent nanobeams. *Microsyst. Technol.* 2018, 24, 4881–4893.

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