

ABET Curriculum Vitae of:
ASHRAF ABDEL FATTAH ALI HASSANEIN (Ashraf A. Ali)

Degree: PhD
Discipline: Materials Engineering
Institution: Drexel University
Year: 16 December 2002
Academic Rank: Professor

Academic Experiences:

Institution: Zagazig University, Egypt

Rank: Title: Dates: Full Time or Part Time

- ✚ Demonstrator 1987 – 1994 (Full Time; Tenure Track)
- ✚ Teaching Assistant 1994 – 2002 (Full Time; Tenure Track)
- ✚ Assistant Professor 2003 – 2009 (Full Time; Tenure Track)
- ✚ Associate Professor 2009 – 2015 (Full Time; Tenure Track)
- ✚ Professor 2015 – Now (Full Time; Tenure Track)

Institution: AUC, Egypt

Rank: Title: Dates: Full Time or Part Time

- ✚ Teaching Assistant 1997 - 1998 (Part Time)

Institution: Drexel University, USA

Rank: Title: Dates: Full Time or Part Time

- ✚ Teaching Assistant 1999 – 2000 (Full time; Drexel University Full Scholarship)
- ✚ Research Assistant 2000 – 2001 (Full time; Drexel University Full Scholarship)
- ✚ PhD Candidate 2000 – 2001 (Full time; Drexel University Full Scholarship)

Institution: MIT, USA (Institute of Solder Nano Technology; ISNT)

Rank: Title: Dates: Full Time or Part Time

- ✚ Visiting Scientist 2006 – 2007 (Fulbright Awarded Grant; Sabbatical, Full Time)

Institution: HTI (Higher Technology Institute), Egypt

Rank: Title: Dates: Full Time or Part Time

- ✚ Assistant Professor 2005 – 2006 (Part Time)
- ✚ Associate Professor 2013 – 2014 (Part Time)
- ✚ Professor 2015 – 2017 (Part Time)

Institution: KSU (King Saud University), Saudi Arabia

Rank: Title: Dates: Full Time or Part Time

- ✚ Assistant Professor 2007 – 2009 (Full Time; Sabbatical)

Institution: PSAU (Prince Sattam Ben AbdulAziz University), Saudi Arabia

Rank: Title: Dates: Full Time or Part Time

- ✚ Associate Professor 2009 – 2012 (Full Time; Sabbatical)

Institution: UB (University of Bisha), Saudi Arabia

Rank: Title: Dates: Full Time or Part Time

- ✚ Professor 2017 – Now (Full Time; Sabbatical)

Membership in Professional Organizations:

- ✚ Board Member in “The Open Industrial and Manufacturing Engineering Journal” OIME (www.bentham.org)
- ✚ Egyptian Engineering Syndicates

Honors and Awards:

- ✚ Full scholarship from Zagazig University, Egypt, to pursue master degree from mechanical design and production engineering department from 1987 to 1994.
- ✚ Full scholarship from Zagazig University, Egypt, to pursue Doctorate degree from mechanical design and production engineering department from 1994 to 1998 (not completed due to traveling to USA for granted PhD degree).

- ✚ Full scholarship from Drexel University, USA, to pursue Doctorate degree from Materials Engineering Department from 1999 to 2002.
- ✚ Egyptian Engineering Syndicate award for graduated as the first of my colleagues in 1987.
- ✚ Egyptian Engineering Syndicate award for completed Master with first honor degree in 1994.
- ✚ Outstanding paper award in the first graduate student competition from Fiber Society, USA 2002.
- ✚ US Patent Application Serial No. 60/532,459 Filing Date: December 24, 2003 “Continuous Organic and Inorganic Matrix Composite Fibrils and Methods for Their Production from Carbon Nanotubes”.
- ✚ Fulbright Awarded Research Grant for the Academic Year 2006-2007. Project title “Nano Fibril Composite Structures by Electro-spinning”.
- ✚ Faculty member appreciation medal, college of Engineering establishment anniversary, University Rector, Saudi Arabia, 2010.
- ✚ Talent medal supervision, Ministry of education, Al-Kharj Bureau, Saudi Arabia, 2011-2012.
- ✚ Nano Technology Center Activity, short course, Student appreciation medal, Salman Bin Abdul Aziz University, 2012.
- ✚ ME Student appreciation award, Zagazig University, Egypt, 2013.

Service Activities:

ISI Journal Reviewer:

Membrane Material, Materials Letters, Electrostatics and Applied Nanoscience

- ✚ Main Representative of Mechanical Design and Production Engineering Department, Faculty of Engineering in The Standing Committee of New Credit Curricula and Post Graduate Programs, Zagazig University, Egypt 2004.
- ✚ Member of New Credit Curricula and Post Graduate Program in the Supreme Committee, Faculty of Engineering, Zagazig University, Egypt 2004.
- ✚ Founder and Director of nanotechnology Center, Faculty of Engineering, Zagazig University, Egypt, Established 2003.
- ✚ Member of New Credit Curricula and Under Graduate Program Committee, College of Engineering, Prince Sattam Bin Abdulaziz University (PSAU), Saudi Arabia 2007.
- ✚ Founder and Director of nanotechnology Center, College of Engineering, PSAU, Saudi Arabia, Established 2009.
- ✚ Member of New Credit Curricula and Under Graduate Program Committee, College of Engineering, University of Bisha (UB), Saudi Arabia 2017.
- ✚ Vice President for Development and Quality, College of Engineering, University of Bisha (UB), Saudi Arabia 2017- 2019.
- ✚ Counselor at Vice Presidency of Post Graduate and Scientific Research, University of Bisha (UB), Saudi Arabia 2017- 2019.
- ✚ Member of Standing Committee for Post Graduate Academic Programs and Curricula, University of Bisha (UB), Saudi Arabia 2018- 2019.
- ✚ Member of Standing Committee for Academic Programs and Curricula, University of Bisha (UB), Saudi Arabia 2017- Now.
- ✚ Supervisor of Development and Quality Assurance Unit, College of Engineering, University of Bisha (UB), Saudi Arabia 2020- 2021.
- ✚ Supervisor of Cooperation, Partnerships and Social Activity Unit, College of Engineering, University of Bisha (UB), Saudi Arabia 2021- 2022.

Principal Publications and Presentations of the Last Five Years:

Not affiliated to University of Bisha:

1. Elmenawi MA, Mahmoud KR, Ali AA, Investigation of Morphological, Mechanical and Thermal Properties of Hot-Pressed Electrospun CNTs/Carbon nanofibril Composites by Positron Annihilation Technique, *International Journal of Scientific & Engineering Research*, 2017; 8: 449-464.
2. Mahdy SM, Gewfiel E, Ali AA, Production and characterization of three dimensional graphite nanoplatelets, *Journal of Materials Science*, 2017; 52: 5928-5937.
3. Megahed AA, Zoalfakar HS, Hassan AEA, Ali AA, A novel polystyrene/epoxy ultra-fine fabric by electrospinning, *polymer advanced technology*, 2018; 29: 517-527.

Affiliated to University of Bisha:

1. Zoalfakar HS, Mohamed AM, El-Hamid AM, Ali AA, Electrospun EGNPs reinforced precursor carbon nanofibril composites by using RSM, *Polymer Advanced Technology*, 2019;30:465-474.
2. Abdelhady SS, Zoalfakar HS, Agwa MA, Ali AA, Electrospinning process optimization for Nylon 6,6/Epoxy hybrid nanofibers by using Taguchi method, *Materials Research Express*, 2019; 095314.
3. Abdelhady SS, Zoalfakar HS, Agwa MA, Ali AA, Mechanical and Thermal Characteristics of Optimized Electrospun Nylon 6,6 Nano Fibers by using Taguchi Method, *Nano*, 2019; Vol 14 No.11: 1-13.
4. Abdelhady SS, Zoalfakar HS, M AAgwa, Ali AA, Treated basalt fibers reinforced nylon 6,6/epoxy hybrid nanofibril composites, *Journal of Thermoplastic Composite Materials*, 1–15, 2020; <http://doi.org/10.1177/0892705720904102>.
5. Fayed AS, Abuhasel KA, Mahdy SM, Ali AA, Morphological, mechanical, and thermal characterization of electrospun three-dimensional graphite nanoplatelets/polystyrene ultra-fine fibril composite fabrics, accepted, *Polymer Composites*, 2021; 42: 1462-1472. <https://doi.org/10.1002/pc.25916>.
6. Kachou M, Alquraish M, Abuhasel KA, Abdulla A, Ali AA, Electrospun Nanofibrous Scaffolds: Review of Current Progress in the Properties and Manufacturing Process, and Possible Applications for COVID-19, *Polymers*, 2021, 13, 916. <https://doi.org/103390/polym13060916>.

Most Recent Professional Development Activities:

- Founder and Director of nanotechnology Center, College of Engineering, University of Bisha, Saudi Arabia, Established 2021.