

CURRICULUM VITAE - 2020

Abdullah Alqudami, Ph.D.

Deputy Minister for Planning, Policies, and Development
Ministry of Higher Education and Scientific Research, Sana'a, Yemen
Associate Professor of Nano Materials at Ibb & Sana'a Universities
Executive Director of Dar Al Khebra Center for Studies and Development
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Nationality: Yemen
Date & Place of Birth: 1976, Hajjah
Status: Married (3 Sons, 2 Daughters)

Qualifications:

Ph.D. in Nano Materials University of Delhi, Delhi, India	2003 – 2007
M.Sc. in Physics, Jawaharlal Nehru University, New Delhi, India	2001 – 2003
B.Sc. in Physics, with honors University of Sana'a, Yemen	1998 – 1999
B.Ed. in Physics/Mathematics, 1 st class with honors University of Sana'a, Yemen	1994 – 1998
Diploma in Teaching, One of the top ten students of the country Al-Shawkani Institute for Qualifying & Training Teachers, Yemen	1991 – 1994

Employments:

Deputy Minister for Planning, Policies, and Development Ministry of Higher Education and Scientific Research Responsibilities: Managing and Overseeing Activities of Planning, Policies, and Development in Yemeni Higher Education & Scientific Research.	Feb. 2019 – Now
Assistant Deputy Minister for Planning, Policies, and Development Ministry of Higher Education and Scientific Research Responsibilities: Assisting Deputy Minister in Managing and Overseeing Activities of Planning, Policies, and Development in Yemeni Higher Education & Scientific Research.	August 2016 – June 2018
Director of Center for Development and Quality Assurance Responsibilities: Planning, Managing and overseeing activities related to university Development, Strategic Planning, and Quality Improvement and Assurance of all academic programs for the aim of accreditation.	Oct. 2015 – August 2016
Dean of International Cooperation & Relations Directorate Responsibilities: Managing and coordinating activities related to national and international cooperation and relations, Advancing cooperation with international representations and organizations, Providing support on exchange and mobility programs, and Following up the implementation of international projects.	May 2013 – Oct. 2015
Associate Prof. of Nano Materials at Physics Department Responsibilities: Teaching undergraduate students of physics, Applied Physics, Mathematics, and Engineering various physics and materials science courses, supervising undergraduate research projects, and conducting collaborative research work on my fields of interest.	June 2013 - Ongoing
Coordinator of Basic Education Teacher Education Program Responsibilities: Coordinating the activities related to the development of program curriculum, staff professional development, teaching and learning processes and facilities within the framework of basic education teacher education project funded by the Netherlands NUFFIC organization.	April 2013 – Sep. 2016
Leader of Quality Improvement Team of Applied Physics Program Responsibilities: Leading the activities related to the development of program curriculum, staff professional development, teaching and learning processes and facilities, assessment & evaluation and accreditation within the framework of higher education quality improvement project funded by the World Bank.	Feb. 2011 - Ongoing
Head of Physics Department at Ibb University Responsibilities: Oversaw, managed, and leaded teaching, research, and service activities of the department at both the Faculty of Science and the Faculty of Education, with more than six hundred affiliated students, 30 faculty staff.	Sep. 2008 - Sep. 2012
Assistant Prof. of Nano Materials at Physics Department Responsibilities: Taught undergraduate students of physics, dentistry, and Engineering various physics and materials science courses, supervised undergraduate research project, conducted collaborative research work, published four international research papers, and served the university in many committees and initiatives.	Jan. 2008 - May 2013
On leave for Higher Studies (MSc & PhD Scholarships) ICCR scholarship to JNU, India to study MSc. Studied physics and mathematics heavy courses, conducted a project work on Nano Materials within a research group. The group succeeded in publishing an international patent and a research paper. PhD research work was conducted at Delhi University, India through which 7 collaborative research papers were published.	June 2001 - Dec. 2007

Junior Faculty Member, Physics Department, Ibb University Appointed as teaching assistant and worked as physics laboratory demonstrator and instructor. Leaded the university physics society.	Nov. 1999 - June 2001
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Projects:

1. National Standard Content of University Programs (NaSCUP Project), Ministry of Higher Education and Scientific Research & Council for Accreditation and Quality Assurance, **2016**.
2. National Director of Strengthening and Capacity Building of Ministry of Higher Education and Scientific Research & Council for Accreditation and Quality Assurance, Funded by NUFFIC Organization (Netherlands), **2016-2018**.
3. Toxicity of Zinc Oxide Nanoparticles, Ibb University, **2012 (Completed)**.
4. Quality Improvement Team Leader for the Development of Applied Physics Program at Ibb University, Higher Education Quality Improvement Project, the World Bank, **2011-2017 (Sum of 1,000,000 USD)**.
5. Ibb University Coordinator, Basic Education Teacher Education Project, the Netherlands Initiative for Capacity development in Higher Education (NICHE), **2012-2017**.
6. Water Pollution Treatment using Metal Nanoparticles, granted by the Ministry of Higher Education & Scientific Research, Yemen, **2009-2010 (Completed)**.
7. Establishment of Nano Materials Preparation Lab at the Physics Department of Ibb University, **2008 (Completed)**.

Awards:

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| • Many National Letter of Appreciation for the Achievements in the Field of Higher Education, Strategic Planning & Organizational Building. | 2016-2019 |
| • Ibb University Council for leading the team of university restructuring and job description. | 2016 |
| • Ibb University Council for coordinating the development of university strategy. | 2015 |
| • Ibb Social & Cultural Forum award for Academic Achievements. | 2013 |
| • Ibb University Staff Syndicate (IUSS) award and appreciation for the accomplishment during the first period of the IUSS as the In-charge of academic affairs of the syndicate. | 2012 |
| • Ibb University Academic Council Letter of Appreciation for leading the Quality Improvement Team of the Applied Physics Program and the related excellent achievements | 2010 |

<ul style="list-style-type: none"> Ibb University Staff Syndicate award for the University Active Professor of the Academic Year 	2009/2010
<ul style="list-style-type: none"> President of the Republic Award for Scientific Research Promotion on the treatment of contaminated water by using metal nano-particles 	2009
<ul style="list-style-type: none"> Distinguished Yemeni Scholar, awarded by the Cultural Attaché, Yemen Embassy, New Delhi, India 	2007
<ul style="list-style-type: none"> Scholarship for Ph.D. degree at Delhi University, India, granted by Ibb University 	2003 - 2007
<ul style="list-style-type: none"> One of the best Yemeni MSc students in India, awarded by the Cultural Attaché, Yemen Embassy, New Delhi, India 	2003
<ul style="list-style-type: none"> MSc Scholarship at Jawaharlal Nehru University, India, granted by Indian Council for Cultural Relations (ICCR) and by Ibb University 	2001 - 2003
<ul style="list-style-type: none"> One of the active young faculty members of the university, awarded by Vice Rector, Ibb University 	2001
<ul style="list-style-type: none"> For the good participations as the Secretary of the Physical Society in the First Scientific and Cultural Week, awarded by Dean of Science, Ibb University 	2000
<ul style="list-style-type: none"> For Organizing the First Scientific and Cultural Week, awarded by Dean of Science, Ibb University 	2000
<ul style="list-style-type: none"> First Class with Honor Bachelor degree, awarded by Dean of Education, University of Sana'a, Yemen 	1999
<ul style="list-style-type: none"> One of the best graduate students, awarded by Yemeni Students Union, University of Sana'a, Yemen 	1999
<ul style="list-style-type: none"> First class awards for all the academic years of my undergraduate, awarded by Dean of Education and the Yemeni Students Union, University of Sana'a, Yemen 	1998
<ul style="list-style-type: none"> One of the best participants on the Fifth Exhibition for Alternative Experiments, 8-12 June 1997, awarded by Dean of Education, University of Sana'a, Yemen 	1997
<ul style="list-style-type: none"> One of the top ten students of the country, awarded by Director of Capital's Education Office, Sana'a, Yemen 	1994

Consultations / Trainer / Facilitator

1. Facilitator on more than 100 Workshops on the Field of Higher Education Policies, Strategic Planning & Organizational Building (2016-2019).
2. Chair the Organizational Building for: Ibb University, Knowledge & Modern Science University, General Authority for Zakat, Dar Al Khebra Center for Studies and Development & the Scientific Foundation for Innovation Care, Yemen (2015-2019).
3. Steering the development of Sana'a University Strategy, Thamar University, Knowledge & Modern Science University, Al Arabia University for Science & Technology, Amran University, Hajjah University & General Authority for Zakat, Yemen (2016-2019).
4. External Assessor for many university programs at private universities, Yemen (2016-2019).
5. Facilitate and steer the development of strategies for: Faculty of Arts, Faculty of Education, Faculty of Science, Center for Computer Science & IT, and Center for Educational & Psychology Guidance at Ibb University, Yemen (2016).
6. Member of Committee for establishing the Faculty of Medicine and Medical Sciences at Ibb University, Yemen (2016).
7. Facilitator on Workshop for preparing Admission Policy, Ibb University (2016).
8. Facilitator on Workshop for preparing Master Program Specification in Adult Education, Ibb University (2016).
9. Trainer on Project Grants Writing, Ibb University & UNDP (2015).
10. Trainer on the 1st Training Conference for Ibb University Management Leaders (2015).
11. National Trainer on: TOT, Program Specification, Program Development, QA, Self- Assessment, Strategic Planning, Course Specification, Employability Skills
12. BETEP consultant to develop a plan for the assessment of program learning outcomes.
13. HEQIP consultant to develop course specification and plan for the following applied physics courses: English for Physics, Nanotechnology, and Final Year Project (Contracted).
14. BETEP consultant to develop course specification and plan for the following basic education teacher education program courses: Principles of Physics 1 & 2.
15. BETEP consultant to prepare program benchmarks and draft study plan.
16. HEQIP consultant - technical assistance to support Taiz University quality improvement teams of the Industrial Chemistry and Computer Network Programs for preparing their action plans and progress reports.
17. Technical assistance to Faculty of Education, Ibb University for preparing the faculty profile.
18. Technical assistance to the Mathematics and Microbiology Departments of Ibb University for preparing partnership proposals.
19. Preparing and delivering talks in Grant proposal writing, Quality Assurance & Standards.
20. Peer Reviewer for the following international refereed journals: Current Nanoscience, Bentham Science Publishers; Chemical Engineering Journal, Elsevier; Scientia Iranica, Elsevier; Journal of Alloys and Compounds, Elsevier; Materials Research Bulletin, Elsevier; International Journal of Materials Science, World Academic Publisher; and Editorial Review Boards, World Academy of Science, Engineering and Technology.

Professional Experiences:

Task Assigned	Skills Acquired
<ul style="list-style-type: none"> Facilitate Productive Workshops On Strategic Planning, Preparing Policies, Annual Planning at National Levels 	Strategic Planning, Preparing Policies And Annual Planning
<ul style="list-style-type: none"> Organizer of so Many Workshops for The Development of Graduate Competencies, Learning Outcomes, Study Plan, Curriculum for The Undergraduate Program, 2012 - 2019. 	New Programs Development, Curriculum Principles and Practices, Outcome-Based Education.
<ul style="list-style-type: none"> Participant of so Many Workshops in The Development of New Undergraduate Programs 2010-2016 Through HEQIP and BETEP Projects. 	
<ul style="list-style-type: none"> Head of Physics Department (2008-2012) Dean of International Cooperation & Relations (2013-2015) Director of Center for Development and QA (2015-2016) 	Leadership, Management, Team Work, Program Assessments, Strategic Thinking
<ul style="list-style-type: none"> Leader of Quality Improvement Team of Applied Physics Program + Coordinator of Basic Education Teacher Education Program 	Leadership, Management, Team Work, Project Planning, Designing and Implementing, Budgeting, University Programs Development
<ul style="list-style-type: none"> Assistant Professor (2008-2013) And Associate Professor (2013 - Now) 	Course Planning, Teaching and Supervising
<ul style="list-style-type: none"> MSc and PhD from Indian Famous Universities (2001-2007), 15 International Publications Teaching University Courses in English Professional Work In International Projects 	English Profession; Proper Writing of Scientific Papers and Publications, Professional Writing of TORs, Proposals, Reports, Etc.
<ul style="list-style-type: none"> Member of The University Committee for The Selection of Active Professor for The Years 2009 and 2010 	Professional Evaluation, Review
<ul style="list-style-type: none"> Chair & Member of so Many Organizing Committee of National & International Conferences, Yemen. 	Professional Organizational, Chairing, Leadership, Group Work, Communication, Budgeting, Planning
<ul style="list-style-type: none"> Elected as The Scientific & Academic Manager of The Ibb University Staff Syndicate, 2009-2012 	Events Organization, Network Establishment, Professional Leadership, Proposal Writing Etc.

Memberships:

- Council of Higher Education Ministry, Sana'a, Yemen.
- Board of Trustees of Dar Al Khebra Center for Studies and Development, Sana'a, Yemen.
- Board of Trustees of the Scientific Foundation for Innovation Care, Sana'a, Yemen.
- International Committee, <http://www.waset.org/conference/2015/03/miami/ICPT/committees>
- Member of the BETEP steering committee.

- Member of the Editorial Board of the International Journal of Materials Science.
- Member of the Yemeni Physical Society.
- Member of the Yemeni Biological Society.
- Member of the [Scientific and Technical Committees & Editorial Review Boards](#), [World Academy of Science, Engineering and Technology](#).
- Member of the American Nano Society.
- Associate Member of the Institute of Nanotechnology - UK.
- Member of the Yemen First Organization.
- Member of the Ibb University Staff Syndicate.
- Member of the British Science Association.
- International referee for the American Institute of Physics Publisher and Elsevier.
- Member of the American Association of Yemeni Scientists and Professionals (AAYSP).
- Member of some local societies and a Referee for some International Journals in the field of Nano Science and Nano Materials.

National Service:

1. Chair & Member of Many National Committees for Higher Education Planning, Policies & Development, Sana'a, Yemen (2016-2019).
2. Chair the Organizational Building for: Ibb University, Knowledge & Modern Science University, General Authority for Zakat, Dar Al Khebra Center for Studies and Development & the Scientific Foundation for Innovation Care, Yemen (2015-2019).
3. Steering the development of Sana'a University Strategy, Thamar University, Knowledge & Modern Science University, Al Arabia University for Science & Technology, Amran University, Hajjah University & General Authority for Zakat, Yemen (2016-2019).
4. Facilitate and steer the development of Higher Education annual plans (2016 - now).
5. Chairman, Technical Committee for the National Team to prepare the National Standard Content of University General Requirements (2016-2017).
6. Chair & Member, Organizing Committee for many National Conference of Higher Education, Sana'a, Yemen (2016-2019).
7. Facilitate and steer the development of strategies for: Faculty of Arts, Faculty of Education, Faculty of Science, Center for Computer Science & IT, and other Centers, Ibb University, Yemen.
8. Member of Committee for establishing the Faculty of Medicine and Medical Sciences at Ibb University (2016).
9. Chairman, Council for Development & QA at Ibb University (2015-2016).
10. Member of the Advisory Board for the Centre for Environment and Chemical Security at Ibb University (2015-2016).
11. Member of the Advisory Board for Academic Development and QA at Ibb University (2015-2016).
12. Member & Coordinator of the Advisory Board for Ibb University Website (2015-2016).
13. Member of the Ibb University Council (2013-2016).
14. Coordinator of the Steering Committee for the Ibb University Strategy (2011-2016).

15. Member of the University Committee for the establishment of Ibb University Researcher for Science and Technology Journal (2012).
16. Member of Ibb University Committee for the selection of Active Professor of the University for the academic years 2009 and 2010.
17. Chair, Organizing Committee of the 1st Annual International Conference – Ibb2010 in Environmental Science & Technology (1-3 August 2010) at Ibb University, Yemen.
18. Organize, Lead, Manage, Initiate many local and international events/conference, number of committees and groups for conducting research and services, and many academic activities such as, writing a proposal for the establishment of a directorate for international cooperation, a University Science Journal, and a University Scientific Research Council, writing a science faculty academic plan, writing a proposal for establishing various academic committees at the faculty level, initiating the work towards the university strategic plan at the university level, etc. at Ibb University, Yemen (2008-2016).
19. Team leader, for writing a proposal of applied physics program, submitted to the higher education quality improvement fund of the Ministry of Higher Education and Scientific Research, 2009/2010.
20. Coordinator of the University Committee for preparing the Education Faculty profile for proposing a new educational program for preparing basic education teachers of Math and Science, Basic Teacher Education Program, for grant through the Netherlands Initiative for Capacity development in Higher Education (NICHE), 2009.
21. Member of the Council of Faculty of Science, University of Ibb (2008 – 2012).
22. Member of the Council of Faculty of Education, University of Ibb (2008 – 2012).
23. Elected as the Scientific & Academic Affairs In-charge of the Ibb University Staff Syndicate, and planning and implementing related various activities (2009-2012).
24. Organized/presented many open talks, lectures and workshops for faculty, staff and students in: using internet for research and teaching, nanotechnology applications, grant proposal writing, Human resources & development, Quality Assurance & standards, the role of physics on nation's development, and annual physics camps, Ibb University, Yemen (2008-2016).

National & International Training:

Higher Education, Program Development, Assessment, and Quality Assurance	Nanotechnology and Applications
<ul style="list-style-type: none"> • Training program on Student-Centered Learning, organized by the applied physics program at Ibb University with support from the Higher Education Quality Improvement Project, 2014. • International Training Course on Teaching with Technology for Applied Physics, Center for Teaching and Learning, University Technology Malaysia, 2013; • Training of Trainers on Quality Assurance in Higher Education, the Yemeni Council for Accreditation and Quality Assurance & the Arab 	<ul style="list-style-type: none"> • Training Program on The use of nanotechnology and radiation techniques in different applications, Arab Atomic Energy Agency, in Association with Bizerte Faculty of Science, Bizerte, Tunis, 16-21 June, 2014. • National Workshop on Measurements and Characterization of Magnetic Materials, 20-21st April 2006, Saha Institute of Nuclear Physics, Kolkata, India. • Indo-German Workshop “Synthesis and Modification of Nano Structured Materials by

<p>Board for Consultancy and Training, Sana'a, Yemen 2013;</p> <ul style="list-style-type: none"> • International Training Course for Accomplishing Program Assessment, Asean University Network – Quality Assurance (AUN-QA), Sukosol Hotel, Bangkok, Thailand, 2012; • Several Training Workshops in Quality Improvement and Development of University Programs through the Higher Education and Quality Improvement Project and Basic Education Teacher Education Project (listed in workshops); • Several Training Workshops in Program ILO's, Standards, and Course Specifications; • Practicum in methods of teaching, teaching aids, and Psychology during my B. Ed. Study in the Faculty of Education, Sana'a University and during my Secondary Diploma in Teaching, Al-Shawkani Institute for Teachers Qualifying & Training, Sana'a (One of the top ten students of the country). 	<p>Energetic Ion Beams” 20-24 Feb. 2005, Inter University Accelerator Center, New Delhi, India.</p> <ul style="list-style-type: none"> • International School “Nano Structuring by Ion Beams” 18-19 Feb 2005, Inter University Accelerator Center, New Delhi, India. • One-day workshop on Vacuum System Design and Applications, 17th February 2005, IIT Delhi, India. • Symposium/Workshop on Nanotechnology Applications to Health Care, 11th Oct. 2003, Department of Chemistry, University of Delhi, Delhi, India.
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Teaching Experience:

Taught the following courses since January 2008;

Course	Language of Instruction
• Nanotechnology	English
• Solid State Physics	Arabic and English
• Vibrations & Waves	Arabic and English
• Materials Science	Arabic and English
• Metal Physics	English
• Thermodynamics	Arabic and English
• English for Students of Physics	English
• Electrical Measurements and Instruments	Arabic and English
• General Physics (1 & 2)	Arabic and English
• Physics for Medicine Students and Engineers	English
• Energy Resources	Arabic and English
• Undergraduate Research Supervisions on the preparation of nanoparticles, characterizations and applications.	Arabic and English

Course & Program Development:

- Lead development of the Applied Physics Program at Ibb University based on IOP international standards and EU benchmarks, with support from the Higher Education and Quality Improvement Project (HEQIP) and the World Bank.
- Lead updating of the Physics Program at Physics Department of Ibb University.
- Curriculum Review Leader of the Basic Education (Science & Math) Teacher Education Program at Ibb University, with support from the Netherlands Initiative for Capacity development in Higher Education (NICHE), Nuffic.

Publications:

(Total Impact Factor > 20) (2019 h index = 9) (396 Index)

1. Shayma Al-baker, Fadh Al-gasha'a, and **Abdullah Alqudami (2015)** Evaluation of Antibacterial Activity of Metal Nanoparticles Against Different Pathogenic Bacteria, *Global Journal of Advanced Engineering Technologies and Sciences* 2 (2) pp 1-6
2. Muhaned Al-Ani, **Abdullah Alqudami**, and Munaf Al-Ani (2014) Fabrication and characterization of (Cu₂O/Ps/p-Si) nanostructure heterojunction device for photovoltaic application, *Journal of Purity, Utility Reaction and Environment* 3 (6) pp 305-313
3. **Abdullah Alqudami**, Saqr Munnasar, Nabil Alhemiary (2013) The Sorption Properties of Exploding Wire Prepared Ag, Fe and ZnO Nanoparticles for Nitrite Removal from Water, *International Journal of Material Science* 3 (1) pp 18-25
4. **Abdullah Alqudami**, Nabil Alhemiary, Saqr Munnasar (2011) Removal of Pb(II) and Cd(II) ions from water by Fe and Ag nanoparticles prepared using electro-exploding wire technique, *Environ. Sci. Pollut. Res.* 19 (7) pp 2832-2841 (DOI [10.1007/s11356-012-0788-1](https://doi.org/10.1007/s11356-012-0788-1))
5. N. Kamal Singh, **Abdullah Alqudami**, and S. Annapoorni (2010) ZnO nanoparticles prepared by an electro-exploding wire technique, *Phys. Status Solidi A* 207 9 2153 – 2158 (DOI [10.1002/pssa.200925553](https://doi.org/10.1002/pssa.200925553))
6. N. Kamal Singh, **Abdullah Alqudami**, S. Annapoorni, Vineet Sharma and K. Muralidhar (2009) Enhanced Bio-molecular Sensing Capability of LSPR, SPR-ATR Coupled Technique, CP1147, *Transport and Optical Properties of Nanomaterials - ICTOPON 2009*, edited by M. R. Singh and R. H. Lipson, AIP Conf. Proc. 1147, pp. 331-338; doi: <http://dx.doi.org/10.1063/1.3183453> (8 pages) American Institute of Physics, USA.
7. **Abdullah Alqudami**, S Annapoorni, Govind and S M Shivaprasad (2008) Ag-Au alloy nanoparticles prepared by electro-exploding wire technique, *Journal of Nanoparticle Research*, **10** 6 1027-1036. ([10.1007/s11051-007-9333-4](https://doi.org/10.1007/s11051-007-9333-4))
8. R C Ramola, **Abdullah Alqudami**, Subhash Chandra, S Annapoorni, J M S Rana, R G Sonkawade, Fouren Singh and D K Avasthi (2008) Effect of swift heavy ions irradiation on polypyrrole thin films, *Radiation Effects & Defects in Solids*, **163** 2 151-159. ([10.1080/10420150701639985](https://doi.org/10.1080/10420150701639985))
9. **Abdullah Alqudami**, S Annapoorni, P Sen and R S Rawat (2007) The incorporation of silver nanoparticles into polypyrrole: Conductivity changes, *Synthetic Metals*, **157** 53-59. ([10.1016/j.synthmet.2006.12.006](https://doi.org/10.1016/j.synthmet.2006.12.006))

10. **Abdullah Alqudami**, S Annapoorni, S Lamba, P C Kothari, and R K Kotnala (2007) Magnetic properties of iron nanoparticles prepared by exploding wire technique, *Journal of Nanoscience and Nanotechnology*, **7** 1898-1903. ([10.1166/jnn.2007.738](https://doi.org/10.1166/jnn.2007.738))
11. **Abdullah Alqudami** and S Annapoorni (2007) Fluorescence from silver and iron nanoparticles prepared by exploding wire technique, *Plasmonics*, **2** 5-9. ([10.1007/s11468-006-9019-2](https://doi.org/10.1007/s11468-006-9019-2))
12. **Abdullah Alqudami** and S Annapoorni (2005) Fluorescent silver nanoparticles via exploding wire technique, *Pramana _ Journal of Physics*, **65** 5 815-819. ([10.1007/BF02704080](https://doi.org/10.1007/BF02704080))
13. R Mahajan, **Abdullah Alqudami** and S Annapoorni (2004) Optical properties of silver nanoparticles prepared by polyol process and electro-exploding wire technique, In *Proceedings of the International Symposium on Advanced Materials and Processing*, IIT KGP, India, pp.1371-1378.
14. P Sen, J Ghosh, **Abdullah Alqudami**, P Kumar and Vandana (2003) Preparation of Cu, Ag, Fe and Al nanoparticles by the exploding wire technique, *Journal of Chemical Sciences* **115** 499-508. ([10.1007/BF02708241](https://doi.org/10.1007/BF02708241))
15. P Sen, J Ghosh, **Abdullah Alqudami**, P Kumar and Vandana, Novel process and apparatus for producing metal nanoparticles, **Indian Patent 840/Del/03 (2003) accepted for grant, PCT International Appl. No. PCT/IN2004/000067 (2004)**, International Publication No. WO 2004/112997, World Intellectual Property Organization (WIPO), Paris ([Link/www](#)) and (2007) **US Patent Appl. No 20070101823 A1.** ([Link](#)) ([Link 2](#))

Attendance / Participations / Conferences / Workshops:

1. Chair & Member of More than 100 National Workshops on Strategic Planning, Policies & Development, Sana'a, Yemen (2016-2019).
2. Workshop on Coordination Mechanism between Ministries of Education and Higher Education, Sana'a (27 December 2016)
3. Facilitator, Workshops (7) for the development of Ministry and sectors' 2017 annual plans, Sana'a (December 2016)
4. Workshops to prepare the National Standard Content of University General Requirements, Sana'a (October 2016 - January 2017)
5. Chairman, Organizing Committee for the National Conference of Yemeni Universities and General & Private Sectors, Sana'a (25-27 October 2016)
6. Workshop on state of arts in course specification and plan, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, September 2016
7. Workshop on Reviewing Program Specification Document and PILOs, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, 6-8 August 2016
8. National Conference on Scientific Research Centers, MoHESR, Sana'a, 1-3 August 2016.
9. Workshop on Program Specification and PILOs Assessment Plan, Basic Education Teacher Education Project (BETEP), NICHE, Atlantic Hotel, Hodeida, 22-30 March 2015.
10. Workshop on Strategic Planning, Program Specification, Assessment, and Course Specification, Basic Education Teacher Education Project (BETEP), NICHE, Eagle Hotel, Sana'a, 27-30 December 2014.

11. World Bank Implementation Support Mission (Adopting a holistic integrated approach towards planning, monitoring and evaluation - Graduates employability skills and professional competencies - An operational approach towards student assessment) HEQIP Project, Amman, Jordan, November 30 - December 4, 2014.
12. 4th PAC Workshop & Periodic Meeting and Workshop for External Coordinators and Supervisors of Summer Field Training for the Assessment and Evaluation of 1st Field Training, with support from HEQIP and WB, Ibb University, November 17-20, 2014.
13. 2nd Workshop on the Institutional Mechanisms for Partnership between Private Sector and Scientific Research Institutions, Organized by the Ministry of Higher Education and Scientific Research in cooperation with Ibb & Taiz Universities and Private Sector Partners, Al-Saeed Hotel, Taiz, 20-21 September 2014.
14. QIT Implementation Follow up and Planning Workshop, HEQIP Project, Ibb city, 13-14 August, 2014.
15. 2nd Workshop on Teaching an Integrated Science and Mathematics Curriculum, Basic Education Teacher Education Project (BETEP), NICHE, Taj Shamsan Hotel, Taiz, 7-8 June 2014.
16. Workshop on Lecturing of Science and Mathematics Courses through an Integrated Approach, Basic Education Teacher Education Project (BETEP), NICHE, Ibb Garden Hotel, Ibb city, 26-27 April 2014.
17. Organize and Co-Facilitate a Training Workshop for Physics Junior and Laboratory Staff on Lab Demonstration and Professional Skills, with support from HEQIP and WB, Ibb University, 20-22 April 2014.
18. First Workshop on Partnership between Private Sector and Scientific Research Institutions, Organized by the Ministry of Higher Education and Scientific Research in cooperation with Ibb & Taiz Universities and Private Sector Partners, Al-Saeed Hotel, Taiz, 12-13 April 2014.
19. Implementation Support Mission, World Bank and HEQIP, World Bank Office, Sana'a, 6-10 April 2014.
20. Co-Organize and Co-Facilitate a Workshop for the Preparation of Ibb University Strategy, Ibb University, 1-5 March 2014.
21. Study Visit to the Netherlands, Funded by BETEP project and Hosted by VU University Amsterdam, InHolland, and Utrecht University, 12 – 20 January 2014.
22. Organize and Facilitate a Workshop for Developing a Plan for Assessment of Applied Physics Program Intended Learning Outcomes, with support from HEQIP and WB, Ibb University, December 31, 2013 – January 2, 2014.
23. Organize and Facilitate the 3rd Periodic Meeting/Workshop for the Advisory Committee of Applied Physics Program, Ibb University, 15 & 16 December 2013.
24. Implementation Support Mission, World Bank and HEQIP, Sana'a, Sep 29 - October 3, 2013.
25. Workshop on writing course specification and course plan, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, 1-4 July 2013.
26. Workshop to prepare the program specification and study plan, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, 4-9 May 2013.
27. Workshop to prepare the program intended learning outcomes, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, 6-10 April 2013.

28. Mid Term Review Mission, World Bank and HEQIP, Amman, Jordan, 23-27 March 2013.
29. Inauguration Workshop and Steering Committee Meeting, Basic Education Teacher Education Project (BETEP), NICHE, Sana'a, 11&13 March 2013.
30. Workshop on Work Rules & Procedures of the Higher Education Quality Improvement Project (HEQIP), Sana'a, 10-11 March 2013.
31. Organize and Facilitate the 2nd Periodic Meeting/Workshop for the Advisory Committee of Applied Physics Program, Ibb University, 27-28 February 2013.
32. Organize and Facilitate a Workshop to Develop an Academic Plan for Physics Department, HEQIP, Ibb University, 16-17 February 2013.
33. Curriculum Specification for Applied Physics Program – a Training Workshop, HEQIP, Ibb Garden Hotel, 2-5 February 2013.
34. Training Workshop on Teacher Education Program Design within the Standards-Based Education, BETEP Project, Amman, Jordan, 19-25 January 2013.
35. First Workshop to Develop the Strategic Plan of the Yemeni Council for Accreditation and Quality Assurance (Yemen CAQA), Sana'a, 26 December 2012.
36. Asean University Network – Quality Assurance (AUN-QA) Training Course for Accomplishing Programme Assessment, Sukosol Hotel, Bangkok, Thailand, 4-7 Dec. 2012.
37. Inception Meeting, Basic Education Teacher Education Project (BETEP), NICHE, Amman, Jordan, 3-8 November 2012.
38. Organize and Facilitate a Training Workshop on the Development of Applied Physics Program Curricula, Physics Department, Ibb University, 3-5 July, 2012.
39. Workshop on Curriculum Development Principles and Practice, organized by the Higher Education Quality Improvement Project and the World Bank, 9-11 June, 2012, Sana'a, Yemen.
40. Organize and Facilitate a Workshop for the Preparation of Study Plan for the Applied Physics Program, Physics Department, Ibb University, 19-23 May, 2012.
41. The 2nd International Advances in Applied Physics and Materials Science Congress, 26 to 29 April 2012 in Antalya, Turkey.
42. Higher Education Quality Improvement Project (HEQIP) World Bank Supervision Mission, Amman, Jordan, April 1 -6, 2012.
43. Organize and Facilitate a Workshop for the Development of Applied Physics Program Core Competencies, Physics Department, Ibb University, 28-29 March, 2012.
44. Workshop for the Preparation of PILO's Frameworks, organized by the Higher Education Quality Improvement Project and the World Bank, 5-6 February, 2012, Sana'a, Yemen.
45. Fourth Higher Education Conference in Yemen (Challenges Facing Higher Education in the Arab World: Innovative Solutions), 11-12 December 2010, Hodeida, Yemen.
46. Workshop on Capacity Building of Quality Improvement teams, organized by the Higher Education Quality Improvement Project and World Bank, 28-29 Nov 2010, Sana'a, Yemen.
47. Higher Education Quality Improvement Project (HEQIP) World Bank Supervision Mission, Amman, Jordan, May 29-June 4, 2011.
48. Organize the First Annual International Conference – Ibb 2010 Environmental Science & Technology, 1-3 August 2010, Ibb University, Ibb, Yemen.

49. Organize and facilitate the Introductory and Training Workshop on Applied Physics Program, Ibb University, Ibb, Yemen, May 12-13, 2010.
50. Training Workshop for Quality Improvement Leaders and specialists, Organized by the Higher Education Quality Improvement Project and World Bank, 26-28 January 2010, Sana'a, Yemen.
51. Workshop on Quality Improvement of University Programs, organized by the Higher Education Quality Improvement Project and World Bank, 24-25 Oct 2009, Sana'a, Yemen.
52. Third Higher Education Conference in Yemen (Challenges of Quality Assurance and Accreditation in Developing Countries), 11-13 October 2009, Sana'a, Yemen.
53. National Seminar on Multifunctional Nanomaterials, Nanostructures and Applications (MNNA 2006) 22-23 December 2006, Department of Physics and Astrophysics, University of Delhi, Delhi, India.
54. Eighth International Conference on Nanostructured Materials (NANO 2006) August 20-25, 2006, IISC, Bangalore, India.
55. National Workshop on Measurements and Characterization of Magnetic Materials, 20-21st April 2006, Saha Institute of Nuclear Physics, Kolkata, India.
56. International Conference on Nano Science and Technology (ICONSAT 2006), 16-18 March 2006, India Habitat Center, New Delhi, India.
57. National Conference on Nanomaterials & Applications, 27 – 28 May. 2005, Amity Institute of Nanotechnology, Noida, India.
58. Indo-German Workshop “Synthesis and Modification of Nano Structured Materials by Energetic Ion Beams” 20-24 Feb. 2005, Inter University Accelerator Center, New Delhi, India.
59. International School “Nano Structuring by Ion Beams” 18 – 19 Feb 2005, Inter University Accelerator Center, New Delhi, India.
60. One-day workshop on Vacuum System Design and Applications, 17th February 2005, IIT Delhi, India.
61. Symposium/Workshop on Nanotechnology Applications to Health Care, 11th Oct. 2003, Department of Chemistry, University of Delhi, Delhi, India.

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