# Ali Kamel Mohsin



## AREAS OF EXPERTISE

Reporting skills. Undertaking research

Surveys

Academic Research Renewable and clean

energy

Nanocatalyst

Applied laser

# **PROFESSIONAL**

Postgraduate degree Physical and Chemical analysis by AFM, FESEM, XRD, XPS, UV-vis. Hydrogen production and laser applications

#### PERSONAL SKILLS

Initiative

Highly numerate

#### PERSONAL DETAILS

Ali Kamel Mohsin 25, alshuhada st, Alwahda distract- Baghdad

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DOB: 01/01/1975 Driving license: Yes Nationality: Iraqi

#### PERSONAL SUMMARY

Having excellent research potential and an ability to actively contribute to the research projects goals as well as a proven publication track record and a good standard of written English. Able to interact with all researchers in a constructive, creative and professional manner during the processing, storing and logging process.

Possessing prior knowledge of media, survey research work and audience research, Michelle is currently looking for a suitable Joiner Researcher position with a reputable organisation.

## WORK EXPERIENCE

Wasit University – Iraq
Lecturer June 2004 – 2010
Universiti Teknologi Malaysia- Malaysia
PhD student 2010-2014
Wasit University- Iraq
Senior lecturer February 2015- to present

Working with academic members of the project team in order to deliver project outcomes. Responsible for writing up research papers and presenting research findings to senior managers and also at academic meetings.

#### Duties:

- Identifying suitable techniques for the collection and analysis of data.
- Assisting in the development & preparation of continuing funding opportunities.
- Travelling to international conferences and research visits in other institutions.
- Contributing to team decisions about research directions .
- Ensuring the validity and reliability of data at all times.
- Responsible for some administrative tasks, such as producing regular reports for senior management and specialists in different areas.

# KEY SKILLS AND COMPETENCIES

- Extensive knowledge of photocatalyst, renewable energy and thin films technology.
- Ability to prioritise own work in response to deadlines.
- Excellent research skills.
- Able to plan research and organise tasks effectively.
- Ability to resolve problems independently. Possessing a creative approach to problem-solving.
- Flexible with working hours and having excellent interpersonal skills.
- Experience in carrying out experimental research.
- Knowledge of maintaining safe workplace practice and procedures in accordance with the requirements of Health and Safety legislation.

# **ACADEMIC QUALIFICATIONS**

BSc. Pure Physics

University of Mosul 1995 - 1999

M.Sc. Thin films and optical sensors (Applied Physics)

University of Baghdad 2000 - 2003

PhD student laser application
Universiti Teknologi Malaysia 2010-present

## REFERENCES

- 1. Ali Kamel Mohsin and Noriah Bidin. "Effect of cadmium sulfide thickness on electron beam-deposited titania/cadmium sulfide nanocomposite films. "Materials Science in Semiconductor Processing 24 (2014): 208-214.
- 2. Ali Kamel Mohsin, Noriah Bidin, In proceeding of: 27th REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSSST27) 2013, Universiti Malaysia Sabah 2013.
- 3. Bidin, Noriah, Siti Noraiza A. Razak, Siti Radiana Azni, Waskito Nguroho, Ali Kamel Mohsin, Mundzer Abdullah, Ganesan Krishnan and Hazri Bakhtiar. Effect of green laser irradiation on hydrogen production. "*Laser Physics Letters* 11.6 (2014): 066001.
- Ali Kamel Mohsin and Noriah Bidin, A new route to syntheses TiO2/CdS nanocomposite film, LASER ELECTRO-OPTIC SEMINAR, 2013
- 5. Ali Kamel Mohsin, Noriah Bidin and Kadhim A. Aadim Hydrophilic indicates Surface morphology quality of TiO<sub>2</sub>/CdS nanocomposite film, International integrated engineering summit UTHM (IIES2014).
- Ali Kamel Mohsin , Noriah Bidin b, Kadhim A. Aadim "Characterization of cadmium sulfide/titania heterostructure films by utilizing microstructure and optical characteristics" Materials Science in Semiconductor Processing 42 (2016) 319–325
- S. Tshomo, B. Ismail, R. Hussin, M.n. Md. Yusuf, W. N. Wan Shamsuri, K. deraman, S. Sholehah Hussein, A. K. Mohsin "Optical properties of Diamond like Carbon films prepared by DC-PECVD" Malaysian Journal of Fundamental & Applied Sciences Vol.8, No.2 (2012) 94-97.
- Ali Kamel Mohsin, M. Abdullaha, K. Ganesana "THE EFFECT OF GREEN LASER ON HYDROGEN PRODUCTION OF TIO<sub>2</sub>/CdS ELECTRODE" Jurnal Teknologi 74:8 (2015) 5–8.
- 9. Ali Kamel Mohsin "Preparation of CdxInxS nanocomposite film by electron beam evaporation" wasit journal 2016
  - 10. على كامل محسن و منال جبار خليفة " تحضير الخلية الشمسية CdS/In/Si بطريقة الرش الكيميائي الحراري" مجلة واسط للعلوم والطب 2011.
- 11. Ali Kamel Mohsin, Manal Jabar "Influence of the annealing time on the structural properties for Flash evaporated InSb films" Um-Salama Science Journal, Vol.4(2)2007