



Short C.V.

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Personal Information

Marital status: Married

Nationality: Yemen

Date of birth: 12/12/1970

Education

PhD. Chemical Engineering, King Saud University, Riyadh, Saudi Arabia.

(02/02/2010) (PhD Dissertation " Development of Catalysts for Dry Reforming of Methane).

MSc. Chemical Engineering, King Saud University, Riyadh, Saudi Arabia.

Bsc. Chemical Engineering, King Saud University Riyadh, Saudi Arabia.

High School, Taiz-Yemen.

Academic Positions

Assistant Professor Chemical Engineering Department, college of Engineering. King Saud University
(2/5/2010- 30/08/2015).

Present Title: Associate Professor Chemical Engineering Department, college of Engineering. King
Saud University (1/9/2015- up-to-date)

Professional experience

1994 – 2009 Research assistant, Chemical Engineering Department, College of Engineering, King
Saud University, Riyadh, Saudi Arabia.

- Main research interest: Catalysis: catalysts preparation and testing of the prepared catalysts.
- Pilot plant employed: CDS and ZETON-ALTAMIRA reactor systems.

- Experimental Techniques used include: Gas Chromatograph, SEM, BET, TG/DTA, FTIR, TPR/TPD/TPO, EDX, ICP, GCMS etc.

Research Project accomplished

- Acetic acid Production.
- Methane Reforming.
- Two phase Bubble column flow study using ECT.
- Photo-catalytic reactions.
- Decomposition of Methane

Academic Works & Activities

- Teaching and tutoring chemical engineering courses in KSU, Riyadh
- Supervisor of Sana'a , Taiz universities In Riyadh, KSA
- Participation of 1st International Conference e-Learning & Distance Learning, Riyadh, 2009.
- Short course on nano-technology, 3 days, Riyadh.
- Session Chairman First Annual International Conference –Ibb 2010 (Environmental Science and Technology) 1-3 August, (2010).
- Session Chairman The 2011 International Conference on Chemical, Material and Metallurgical Engineering (ICCMME 2011) Beihai, China, Dec 23-25.

Technical Training and Communication Skills Courses

- Two days training session for Gas Chromatograph Alpha-Moss in Toulouse, France
- Three days training session for Temperature Programmed Techniques (TPR-TPD-TPO) Micromeritics in Atlanta, USA
- Two days course session on "International Scientific Publication" in King Saud University, Riyadh, KSA
- Two days course session on "Project Proposal writing and Research Grant" in King Saud University, Riyadh, KSA
- Four days training session for MICTROACTIVITY REACTOR PID Eng& Tech in Madrid-Spain
- Two days training session for Particle Size NanoPlus Micromeritics in Atlanta, USA (2014)
- One days training session Learning Theories in King Saud University, Riyadh, KSA 11-11-2016
- One days training session Teaching Based Specialty and Literature in King Saud University, Riyadh, KSA 12-02-2017

Academic Teaching Contribution

Mass Transfer Operation Lab

Separation Processes Lab

Graduation project "Production of Hydrogen by Dry Reforming" for BSc (4-students)

Committee and Board Member

Member of purchasing Committee

Member of laboratory Committee

Graduate Students Thesis Supervision

I have co-supervised the master thesis of following students:

Muhammad Awais Naeem

Title of Thesis: Dry Reforming of Methane on Nano-Supported Nickel Catalysts

Wasim Ullah Khan

Title of Thesis: Catalyst Development for Production of Hydrogen via Catalytic Decomposition of Methane

Shamsudeen Olajide Qasim

Title of Thesis: Hydrogen Production via Ethanol Dry Reforming on Nano Nickel Supported Catalyst

Activities

I am responsible for the analytical laboratory of the department and I do serve the department and the college in general

I have partaken in the arrangement of symposium concerning workshop on catalyst characterization

I have reviewed many scientific papers such as

Journal : International Journal of Hydrogen Energy

Title: Effects of Ce on CO₂ Reforming of CH₄ over Ni/ZSM-5 Catalysts

Journal : International Journal of Hydrogen Energy

Title: Effect of Synthesis Route of Mesoporous Zirconia Based Ni Catalysts on Coke Minimization in Conversion of Biogas to Synthesis Gas

Journal : Catalysis Today

Reforming of methane with CO₂ over Ni nanoparticle supported on mesoporous ZSM-5

Patents

- 1) Karim, K., Mamedov, E., Al-Hazmi, M.H., Fakeeha, A.H., Soliman, M.A., Al-Zeghayer, Y.S., **Al-Fatish, A.S.**, Al-Arify, A.A., “Catalysts for producing acetic acid from ethane oxidation, processes of making same and method of using same”, **United States Patent 6030920, Feb.29,2000.**
- 2) Karim, K., Mamedov, E., Al-Hazmi, M.H., Fakeeha, A.H., Soliman,M.A., Al-Zeghayer,Y.S., **Al-Fatish,A.S.**, Al-Arify,A.A., “Catalysts methods for producing acetic acid from ethane oxidation using MO, V, Pd and Nb based catalysts, processes of making same and methods of using same. “**United States Patent 6310241, October 30, 2001.**
- 3) Karim, K., Mamedov, E., Al-Hazmi, M.H., Fakeeha, A.H., Soliman,M.A.,Al-Zeghayer,Y.S., **Al-Fatish,A.S.**, Al-Arify,A.A., “Catalysts methods for producing acetic acid from ethane oxidation using MO, V, Pd and Nb based catalysts , processes of making same and methods of using same. “**United States Patent 6383977 B1, May 7, 2002.**

Publications

- 1) **A.S. Al-Fatesh** , A.H. Fakeeha , A.A. Ibrahim , W.U. Khan , H. Atia , R. Eckelt , K. Seshan , B. Chowdhury, "Decomposition of methane over alumina supported Fe and Ni–Fe bimetallic catalyst: Effect of preparation procedure and calcination temperature" , Journal of Saudi Chemical Society, 2016, **In press** (<http://dx.doi.org/10.1016/j.jscs.2016.05.001>)
- 2) Anis Hamza Fakeeha, Ahmed Aidid Ibrahim, Wasim Ullah Khan, Ahmed Elhag Abasaheed, and **Ahmed Sadeq Al-Fatesh** "Hydrogen production by catalytic methane decomposition over Ni, Co, and Ni-Co/Al₂O₃ catalyst" Petroleum Science and Technology, V 34 No 19 2016 , 1617-1623.
- 3) Anis H. Fakeeha, Ahmed A. Ibrahim, Wasim U. Khan, K. Seshan Raja L. AL Otaibi , **Ahmed S. Al-Fatesh** " Hydrogen production via catalytic methane decomposition over alumina supported iron ", Arabian Journal of Chemistry, 2016, **In press** (<http://dx.doi.org/10.1016/j.arabjc.2016.06.012>)
- 4) **A.S. Al-Fatesh**, A.H. Fakeeha, W.U. Khan, A.A. Ibrahim, Songbo He, K. Seshan “Production of hydrogen by catalytic methane decomposition over alumina supported mono-, bi- and tri-metallic catalysts” International Journal of Hydrogen Energy 41 (2016) 2293-22940
- 5) Esa Dube Kerme, Achmad Chafidz, O. Phillip Agboola, Jamel Orfi, Anis H. Fakeeha, **Ahmed S. Al-Fatesh** “Energetic and Exergetic Analysis of Solar-Powered Lithium Bromide-Water Absorption Cooling System” Journal of Cleaner Production Volume 151, 10 May 2017, Pages 60–73
- 6) Mokhtar Ali, Nagarjuna Remalli, Venkataramana Gedela, Balaji Padya, Pawan Kumar Jain, **Ahmed Al-Fatesh**, Usman Ali Rana, Vadali V.S.S. Srikanth “ Ni nanoparticles prepared by simple chemical method for the synthesis of Ni/NiO-multi-layered graphene by chemical vapor deposition” Solid State Sciences 64 (2017) 34- 40
- 7) A. Chafidz, F. Hamdan Latief, **A. S. Al-Fatesh** and M. Kaavessina “Crystallization and thermal stability of polypropylene/multiwall carbon nanotube nanocomposites” Philosophical Magazine Letters, 2016, VOL. 96, NO. 10, 367–374.
- 8) Mokhtar Ali Amrani, Vadali V. S. S. Srikanth, Nitin K. Labhsetwar, **Ahmed S. Al- Fatesh** & Hamid Shaikh “Phoenix dactylifera mediated green synthesis of Cu₂O particles for arsenite uptake from water, Science and Technology of Advanced Materials, 2016 VOL . 17, NO . 1, 760–768.
- 9) **Ahmed Sadeq Al-Fatesh**, Ashraf Amin, Ahmed Aidid Ibrahim, Wasim Ullah Khan, Mostafa Aly Soliman, Raja Lafi AL-Otaibi and Anis Hamza Fakeeh "Effect of Ce and Co Addition to Fe/Al₂O₃ for Catalytic Methane Decomposition" Catalysts 2016, 6, 40
- 10) Anis Hamza Fakeeha, Muhammad Awais Naeem, Ahmed Elhag Abasaheed, Wasim Ullah Khan, **Ahmed Sadeq Al-Fatesh**, “Impact of Holmium addition on the coke suppression in dry reforming of methane”, J. Chem. Soc. Pak., Vol. 38, No. 03, 2016, 388-397.
- 11) **A. S. Al-Fatesh**, A. H. Fakeeha, A. A. Ibrahim, W. U. Khan, H. Atia, R. Eckelt, and Biswajit Chowdhury, "Iron oxide Supported on Al₂O₃ Catalyst for Methane Decomposition Reaction: Effect of MgO Additive and Calcination Temperature" J. Chin. Chem. Soc. 2016, 63, 205-212
- 12) Songbo He, Dong Chen, Huapeng Cui, Yulong Lai, **Ahmed S. Al-Fatesh**, Ibrahim A. Aidid, Anis H. Fakeeha, K. Seshan, Chenglin Sun, Haiyang Li, " Rapid investigation of paraffin dehydrogenation catalyst by TPRn/SPI-TOF-MS technique for industrial application." Applied Catalysis A: General 514 (2016) 241-247

- 13) Rawesh Kumar, Prangya Paramita Das, **Ahmed Sadeq Al-Fatesh** , Anis Hamza Fakeeha , Jai Krishna Pandey , Biswajit Chowdhury " Highly active InOx/TUD-1 catalyst towards Baeyer–Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde" *Catalysis Communications* 74 (2016) 80–84
- 14) Anis H. Fakeeha, Wasim U. Khan, **Ahmed. S. Al-Fatesh**, Ahmed, A. Ibrahim, Ahmed E. Abasaeed " Production of Hydrogen from Methane over Lanthanum Supported Bimetallic Catalysts" *International Journal of Hydrogen Energy*. Volume 41, Issue 19, 25 May 2016, Pages 8193–8198
- 15) Fahad S. Al-Mubaddel, Muhammad Omer Aijaz, Sajjad Haider, Adnan Haider, Waheed A. Almasry & **Ahmed Sadeq Al-Fatesh** " Synthesis of chitosan based semi-IPN hydrogels using epichlorohydrine as crosslinker to study the adsorption kinetics of Rhodamine B" *Desalination and Water Treatment* 57 (2016) 17523–17536
- 16) Anis H. Fakeeha, **Ahmed S. Al-Fatesh***, Wasim U. Khan, Ahmed A. Ibrahim, Raja L. Al-Otaibi, Ahmed E. Abasaeed "Suitability of Titania Oxide and Magnesia Oxide as Support for Methane Decomposition Catalyst using Iron as Active Materials" *Journal of Chemical Engineering of Japan*, Vol. 49, No. 6, pp. 552–562, 2016
- 17) Wasim U. Khan, Anis H. Fakeeha*, **Ahmed S. Al-Fatesh**, Ahmed E. Abasaeed, Ahmed A. Ibrahim, "La₂O₃ supported bimetallic catalysts for the production of hydrogen and carbon nanomaterials from natural gas", *International Journal of Hydrogen Energy* Volume 41, Issue 2, 12 January 2016, Pages 976–983
- 18) **Ahmed. S. Al-Fatesha***, Ahmed A. Ibrahim^a, Anis H. Fakeeha^a, Wasim. U. Khan^a, Jehad K. Abu-Dahrieh^b "Coproduct of hydrogen and carbon filaments from methane decomposition over Fe/La₂O₃ catalysts" *J.Chem.Soc.Pak.*, Vol. 38, No. 06, 2016 1104
- 19) Ahmed Elhag Abasaeed*, **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Ahmed Aidid Ibrahim, Anis Hamza Fakeeha " Catalytic performance of CeO₂ and ZrO₂ supported Co catalysts for hydrogen production via dry reforming of methane" *International Journal of Hydrogen Energy* Volume 40, Issue 21, 8 June 2015, Pages 6818–6826
- 20) **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Anis Hamza Fakeeha, "The effect of Sc promoter on the performance of Co/TiO₂-P25 catalyst in dry reforming of methane", *Bull. Korean Chem. Soc.* 2015, Vol. 36, 2081–2088
- 21) Ahmed.A. Ibrahim^a, **Ahmed. S. Al-Fatesh***^a, Wasim U. Khan , Mostafa A. Soliman , Raja L. AL Otaibi, Anis.H. Fakeeha^a " Influence of support type and metal loading in methane decomposition over iron catalyst for hydrogen production" *J. Chin. Chem. Soc.* 2015, 62, 592-599.
- 22) Syed Sabir, Mansour Ibrahim Alhazza, Ahmed Aidid Ibrahim and **Ahmed Sadeq Al-Fatesh** " N-heterocyclic Amine Derivatives as Efficient Corrosion Inhibitors for Carbon Steel in Acidic Medium", *J. Chem. Soc. Pak.*, Vol. 37, No. 06, 2015
- 23) Anis Hamza Fakeeha, Muhammad Awais Naeem, **Ahmed Sadeq Al-Fatesh**, Wasim Ullah Khan, Ahmed Aidid Ibrahim, Ahmed Elhag Abasaeed, "Methane decomposition over Fe supported catalysts for hydrogen and nano carbon yield", *Catalysis for Sustainable Energy* 62 (2015) 592-599

- 24) Ahmed Aidid Ibrahim, Wasim Ullah Khan, Mostafa Ali Soliman, **Ahmed Sadeq Al-Fatesh***, Raja Lafi AL Otaibi^b, Anis Hamza Fakeeha " Thermo-catalytic Methane Decomposition: A review on State of the art of catalysts ", **J.Chem.Soc.Pak.**, Vol. 37, No. 06, 2015 , 1280-1308
- 25) Ahmed A. Ibrahim, Muhammad Awais Naeem, Anis H. Fakeeha, Wasim Ullah Khan, **Ahmed S. Al-Fatesh**, Ahmed E. Abasaheed, "Production of synthesis gas via dry reforming of methane over Co-based catalysts: Effect on H₂/CO ratio and carbon deposition" Chem. Eng. Technol. 2015, 38, No. 8, 1397–1405
- 26) Ahmed A. Ibrahim, Anis H. Fakeeha, **Ahmed S. Al-Fatesh**, Ahmed E. Abasaheed, Wasim U. Khan, "Methane decomposition over iron catalyst for hydrogen production", International Journal of Hydrogen Energy, 40 (2015) 7593 - 7600
- 27) **Ahmed Al-Fatesh**, "Suppression of carbon formation in CH₄–CO₂ reforming by addition of Sr into bimetallic Ni–Co/γ-Al₂O₃ catalyst", Journal of King Saud University-Engineering Sciences, 27(1), 101-107 (2015)
- 28) **Ahmed S. Al-Fatesh**, "A study on mono and mixed nano-supported co-based catalysts for dry reforming of methane", Bulletin of the Korean Chemical Society, 36(2), 584-590 (2015)
- 29) Anis Hamza Fakeeha, Wasim Ullah Khan, **Ahmed Sadeq Al-Fatesh**, Ahmed Elhag Abasaheed, Muhammad Awais Naeem, "Production of hydrogen and carbon nanofibers from methane over Ni–Co–Al catalysts", International Journal of Hydrogen Energy, 40(4) 1774-1781 (2015)
- 30) Muhammad Awais Naeem, **Ahmed Sadeq Al-Fatesh**, Ahmed Elhag Abasaheed, Anis Hamza Fakeeha, "Hydrogen production from methane dry reforming over Ni based surfactant assisted and polyol nano catalysts", International Journal of Hydrogen Energy. 39, 17009 -17023 (2014).
- 31) **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Wasim Ullah Khan, Ahmed Elhag Abasaheed, Anis Hamza Fakeeha, "Effect of nano-support and type of active metal on reforming of CH₄ with CO₂", Journal of the Chinese Chemical Society. 61(4) 461–470 (2014).
- 32) Anis Hamza Fakeeha, Muhammad Awais Naeem, Wasim Ullah Khan, Ahmed Elhag Abasaheed, **Ahmed Sadeq Al-Fatesh**, "Reforming of methane by CO₂ over bimetallic Ni-Mn/γ-Al₂O₃ catalyst", Chinese Journal of Chemical Physics. 27(2) 214–220 (2014).
- 33) Muhammad Awais Naeem, **Ahmed Sadeq Al-Fatesh**, Ahmed Elhag Abasaheed, Anis Hamza Fakeeha " Activities of Ni-based nano catalysts for CO₂–CH₄ reforming prepared by polyol process" Fuel Processing Technology 122 (2014) 141–152
- 34) Ahmed A. Ibrahim, Anis H. Fakeeha, **Ahmed S. Al-Fatesh** " Enhancing hydrogen production by dry reforming process with strontium promoter " International Journal of Hydrogen Energy Vol. 39, No. 4, pp. 1680–1687, 2014

- 35) **Ahmed S. Al-Fatesh**, Muhammad Awais Naeem, Anis Hamza Fakeeha, Ahmed Elha Abasaheed " Role of La_2O_3 as promoter and support in $\text{Ni}/\gamma\text{-Al}_2\text{O}_3$ catalysts for dry reforming of methane" Chinese Journal of Chemical Engineering, 22(1) 28—37 (2014)
- 36) Anis Hamza Fakeeha, Muhammad Awais Naeem, Wasim Ullah Khan, **Ahmed Sadeq Al-Fatesh** "Syngas production via CO_2 reforming of methane using Co-Sr-Al catalyst" Journal of Industrial and Engineering Chemistry 20 (2014) 549–557.
- 37) **Ahmed S. Al-Fatesh**, Ahmed.A.Ibrahim, Sajjad Haider, Anis H. Fakeeha "Sustainable Production of Synthesis Gases via State of the Art Metal Supported Catalytic Systems; an overview" J. Chin. Chem. Soc. 2013, 60, 1297-1308
- 38) **Ahmed Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Anis Hamza Fakeeha, and Ahmed Elhag Abasaheed "CO₂ reforming of methane to produce syngas over $\gamma\text{-Al}_2\text{O}_3$ supported Ni–Sr catalysts" Bull. Chem. Soc. Jpn. Vol. 86, No. 6, 742-748.
- 39) A Anis H. Fakeeha, Wasim U. Khan, **Ahmed S. AL-Fatesh**, Ahmed E. Abasaheed, "Stabilities of zeolite-supported Ni catalysts for dry reforming of methane", Chinese Journal of Catalysis, 34 (2013) 764-768
- 40) **Ahmed S. Al-Fatesh** and Anis H. Fakeeha, "Methane Reforming Using a Ni–Ag/ $\gamma\text{-Al}_2\text{O}_3$ Catalyst" Journal of Chemical Engineering of Japan, Vol. 46, No. 2, pp. 158–161, 2013
- 41) Anis H. Fakeeha, **Ahmed S.A. Al-Fatesh**, Ahmed E. Abasaheed " Modification of alumina support with $\text{TiO}_2\text{-P25}$ in CO_2 reforming of CH_4 " Journal of Industrial and Engineering Chemistry 18 (2012) 212–217.
- 42) **A.S. Al–Fatesh**, A.H, Fakeeha, A.E. Abasaheed "Effect of Pd on CH_4 reforming with CO_2 catalyzed by Ni over mixed Titian –Alumina support" Advanced Materials Research Vols. 476-478 (2012) pp 513-518
- 43) A.H. Fakeeha, **A.S. Al–Fatesh**, A.A. Ibrahim, A.E. Abasaheed, "Effect of Calcium promoter on Ni-based catalysts supported on $\alpha\text{-Al}_2\text{O}_3$ and $\text{TiO}_2\text{-P25}$ " Applied Mechanics and Materials Vols. 204-208 (2012) pp 3909-3913
- 44) A.H. Fakeeha, **A.S. Al–Fatesh**, A.E. Abasaheed, "Ni/Y-Zeolite Catalysts for Carbon Dioxide Reforming of Methane" Advanced Materials Research Vols. 550-553 (2012) pp 325-328.
- 45) **A. S. Al–Fatesh**, and A. H. Fakeeha, "Effects of calcination and activation temperature on dry reforming catalysts", Journal of Saudi Chemical Society 16, 55-61 (2012).
- 46) **A.S.A. Al-Fatesh**, A.A. Ibrahim, A.H. Fakeeha, A.E. Abasaheed, M.R.H. Siddiqui, "Oxidative CO_2 reforming of CH_4 over Ni/a- Al_2O_3 catalyst" Journal of Industrial and Engineering Chemistry 17 (2011) 479–483.
- 47) **A.S. Al–Fatesh**, A. A. Ibrahim, A. H. Fakeeha, and A. E. Abasaheed, "Activity and Carbon Formation of a Low Ni-Loading Alumina-Supported Catalyst", Journal of Chemical Engineering of Japan Vol. 44 No. 5, pp. 328-335, 2011.

- 48) **Ahmed. S.A. Al-Fatesh** and Anis. H. Fakeeha " Reduction of green house gases by dry reforming: Effect of support", *Res.J.Chem.Environ* Vol.15 (2) 259-268 (2011).
- 49) Fakeeha A.H., Ibrahim A.A., **Al Fatesh A.S.** and Abasaeed A.E. "CO₂ reforming of CH₄ for Mitigation of greenhouse gases", *Res.J.Chem.Environ* Vol.15 (2) 836- 841(2011).
- 50) **Ahmed S. A. AL-Fatesh**, Anis H. Fakeeha, Ahmed E. Abasaeed "Effects of Selected Promoters on Ni/ γ -Al₂O₃ Catalyst Performance in Methane Dry Reforming", *Chinese Journal of Catalysis* Vol. 32 No. 10 1604–1609 2011.
- 51) **Ahmed Sadeq Al-Fatesh** and Anis Hamza Fakeeha. "Investigation of Suitable Pretreatment for Dry Reforming of Methane Over Ni/Al₂O₃" *Advanced Materials Research Vols. 233-235 (2011) pp 1665-1673*.
- 52) **Ahmed S. A. Al-Fatesh**, Anis H. Fakeeha and Ahmed E. Abasaeed " Effects of promoters on methane dry reforming over Ni catalyst on a mixed (a-Al₂O₃+TiO₂-P25) support" *International Journal of the Physical Sciences* Vol. 6(36), pp. 8083 - 8092, 2011
- 53) **A. S. Al-Fatish**, A. A. Ibrahim, A. H. Fakeeha, M. A. Soliman, M. R. H. Siddiqui and A. E. Abasaeed " Coke formation during CO₂ reforming of CH₄ over alumina-supported nickel catalysts", *Applied Catalysis A: General* 364 (2009) 150–155.

Conferences

1. **Ahmed S. Al-Fatesh** , Yasir Arafat, Ahmed A. Ibrahim, Hanan Atia , Anis H. Fakeeha “ H₂ production from CO₂ reforming of CH₄ using Rh promoted Ni-Co/Zr-Al catalysts“ 1st International Conference of Chemical, Energy and Environmental Engineering March 19-21, 2017 Alexandria, Egypt
2. Ahmed A. Ibrahim , **Ahmed S. Al-Fatesh**, Yasir Arafat, Hanan Atia , Anis H. Fakeeha “ Influence of IR Promoted on CO₂ Reforming of CH₄ Using Ni-Co/Al₂O₃-ZrO₂ catalysts “1st International Conference of Chemical, Energy and Environmental Engineering March 19-21, 2017 Alexandria, Egypt
3. **Ahmed, Al-Fatesh**, Anis, Fakeeha, Wasim, Khan, Ahmed, Ibrahim, Mostafa, Soliman, Ahmed Abaseed, Yahya, Mohamed, Raja, Al-Otaibi, “Catalytic Methane Decomposition Using Fe Supported over MgO Catalysts: Effect of Calcination Temperature”, The Second United Arab Emirates Conference on Pure and Applied Chemistry, Sharjah, United Arab Emirates, March 1-3, 2016.
4. **Ahmed Sadeq Al-Fatesh**, Biswajit Chowdhuryb, Ahmed Aidid Ibrahim,a Wasim Ullah Khan,a Shahid Hassanb and Anis Hamza Fakeeha " Methane decomposition over Fe based catalysts dopped with Mn and Ni : Effect of activation temperature"International Conference on Materials Science & Technology (ICMTech), 01 - 04 March, 2016 at the Conference Centre, University of Delhi, India

5. Anis H. Fakeeha, Ahmed A. Ibrahim, **Ahmed S. Al-Fatesh**, Wasim U. Khan, Mostafa A. Soliman, Yahya A. Mohammed, Raja L. Al-Otaibi, Ahmed E. Abasaeed, "Fe supported Alumina catalyst for methane decomposition: Effect of Co coupling", Fourth International Conference on Energy, Water and Environmental Sciences, Ras Al Khaimah, United Arab Emirates, December 15-17, 2015.
6. Anis Fakeeha, Wasim Khan, Ahmed Ibrahim, Raja Al-Otaibi, **Ahmed Al-Fatesh**, Moustafa Soliman and Ahmed Abasaeed, "Alumina supported iron catalyst for hydrogen production: Calcination study", 2nd International Conference on Advances in Chemical, Biological & Environmental Engineering, Dubai, United Arab Emirates, December 25-26, 2015.
7. **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Anis Hamza Fakeeha, Wasim Ullah Khan, Ahmed Aidid Ibrahim, Ahmed Elhag Abasaeed, "Effect of support Cox free hydrogen and carbon nanofibers production from methane over Fe Catalysts. 12th European Congress on Catlysis-EuropaCat-X1, Kazan, Russia, 30 August–4 September, 2015.
8. Ibrahim A., **Al-Fatesh** A., Khan W., Fakeeha A., Abasaeed A., "Catalytic Methane Decomposition using Iron-Lanthanum Catalysts: Effect of Fe Loading on activity Performance" 12th European Congress on Catlysis-EuropaCat-X1, Kazan, Russia, 30 August–4 September, 2015.
9. Atia H., Eckelt Reinhard, Al-Fatesh Ahmed Sadeq, Fakeeha Anis Hamza, Martin. A., "Effect of promoter addition to SBA-15 supported bimetallic Co-Ni catalysts for dry reforming of methane", 12th European Congress on Catlysis-EuropaCat-X1, Kazan, Russia, 30 August–4 September, 2015.
10. **Ahmed S. Al-Fatesh**, Muhammad A. Naeem, Ahmed A. Ibrahim, Anis H. Fakeeha, "Effect of Tb promoter on catalytic performance of Ni/ZrO₂ catalysts in carbon dioxide reforming of methane". 8th International Conference on Environmental Catalysis, Asheville, North Carolina, United States of America, 24 - 27 August 2014. (**Accepted**)
11. A. A. Ibrahim, A. H. Fakeeha, A. E. Abaseed, M. A. Naeem, **A. S. Al-Fatesh**, "Study of synthesis gas production via CO₂ reforming of CH₄ over supported cobalt catalysts" 8th International Conference on Environmental Catalysis, Asheville, North Carolina, United States of America, 24 - 27 August 2014.
12. Ahmed E. Abasaeed, **Ahmed S. Al-Fatesh**, Muhammad Awais Naeem, Ahmed. A. Ibrahim, Anis H. Fakeeha, "Production of hydrogen via dry reforming of methane over Co-based catalysts". The 20th World Hydrogen Energy Conference 2014. Gwangju, Korea, June 15–20 (2014).
13. Anis Hamza Fakeeha, Wasim Ullah Khan, **Ahmed Sadeq Al-Fatesh**, Ahmed Elhag Abasaeed, "Production of hydrogen from methane over alumina supported Ni-Co catalysts". The 20th World Hydrogen Energy Conference 2014. Gwangju, Korea, June 15–20 (2014).
14. Ahmed. A. Ibrahim, Anis. H. Fakeeha, **Ahmed. S. Al-Fatesh**, Ahmed. E. Abasaeed, Wasim. U. Khan, "Methane decomposition over iron catalyst for hydrogen production", 13th International Conference on Clean Energy 2014 (ICCE-2014). Istanbul-Turkey, June 8–12 (2014).
15. Anis Hamza Fakeeha, Muhammad Awais Naeem, Ahmed Elhag Abasaeed, Wasim Ullah Khan and **Ahmed Sadeq Al-Fatesh**, "Highly coke-resistant novel Ni-Ho/ZrO₂ catalyst for

- dry reforming of methane". 13th International Conference on Clean Energy 2014 (ICCE-2014). Istanbul-Turkey, June 8–12 (2014).
16. Wasim Ullah Khan, Anis Hamza Fakeeha, **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Ahmed Ibrahim Aidid and Ahmed Elhag Abasaheed, "Catalytic decomposition of methane over La_2O_3 supported mono- and bimetallic catalysts". The 3rd International Conference on Process Engineering and Advanced Materials (ICPEAM2014), Kuala Lumpur, Malaysia, June 3–5 (2014).
 17. Anis H Fakeeha, Ahmed A. Ibrahim, Muhammad Awais Naeem, **Ahmed S. Al-Fatesh**, "Energy source from hydrogen production via methane dry reforming", Fourth International Conference on Industrial Engineering and Operations Management, Bali, Indonesia, January 7-9 (2014).
 18. **Ahmed Sadeq Al-Fatesh**, Muhammad Awais Naeem, Anis Hamza Fakeeha " Effect of Sr on Ni-Co bimetallic catalyst for dry reforming" 11th European Congress on Catalysis" EuropaCat-XI, Lyon, France, September 1st-6th, 2013.
 19. Ibrahim A. A, Anis Hamza Fakeeha, **Ahmed S.A. Al-Fatesh**, "Hydrogen production from dry reforming of methane using $\gamma\text{-Al}_2\text{O}_3$ supported Co-Sr catalyst", 11th International European Congress on Catalysis, EuropaCat-XI, Lyon, France, 1–6 September (2013).
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