Reply to the 'Comments on "Experimental and theoretical studies of thenanostructuredFe₃O₄@SiO₂@(CH₂)₃Im}C(CN)₃catalyst for 2-amino-3cyanopyridine preparation via an anomeric based oxidation", *RSC Adv.*, 2016, 6, 50100-50111, and "The first computational study for the oxidative aromatization of pyrazolines and 1,4-dihydropyridines using 1,2,4triazolinediones: an anomeric-based oxidation", *RSC Adv.*, 2016, 6, 102280-102291" by S. Salehzadeh, *RSC Adv.*, 2017, 7, 39704–39707, DOI: 10.1039/c6ra27033f

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Table of Contents:

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S4: Table. The standard definition of the main arrows, which they were applied in the standard texts (in contrast to the Salehzadeh's comments).¹⁻⁴ The definitions were extracted from: Ref.[14] IUPAC, Gold Book, Mesomerism; https://goldbook.iupac.org/html/M/M03845.html. Ref.[15] IUPAC, Gold Book, resonance; https://goldbook.iupac.org/html/R/R05326.html. Ref.[16] IUPAC, Gold Book, canonical forms; https://goldbook.iupac.org/html/C/C01309.html. Ref.[17] IUPAC, Gold Book, contributing structures; https://goldbook.iupac.org/plain/C01309-plain.html. Ref.[18] P. J. Taylor, G. van der Zwan, L. Antonov, Tautomerism: Methods and Theories, Edition: First, Chapter: Tautomerism: Introduction, History, and Recent Developments in Experimental and Theoretical Methods, Publisher: Wiley-VCH, Editors: L. Antonov, pp.1-24.

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Signs	Concepts
le	One electron transfer; Heterolytic bond clevage
2e	Two electron transfer; Homolytic bond clevage
>	Result of a reaction; Stages of a process; Irriversible reactions
\implies	Disconnection approach
FGI →	Functional group interconversion
	Equiliberium; Reversible process; Reversible principle; Applied in the mechanism stages
>	Rearrangment process
~ ```	Tautomerism; Tautomers interconversion; Equilinerium
~~~~>	Resonance, Mesomerism, Canonical forms interconcersion
⊖┥→€	Dipole moment direction