ISSN: 2517-9411

Transliterating Methods of the Kazakh Onyms in the Arabic Language

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Abstract—Transliteration is frequently used especially in writing geographic denominations, personal names (onyms) etc. Proper names (onyms) of all languages must sound similarly in translated works as well as in scientific projects and works written in mother tongue, because we can get introduced with the nation, its history, culture, traditions and other spiritual values through the onyms of that nation. Therefore it is necessary to systematize the different transliterations of onyms of foreign languages. This paper is dedicated to the problem of making the project of transliterating Kazakh onyms into Arabic. In order to achieve this goal we use scientific or practical types of transliteration. Because in this type of transliteration provides easy reading and writing source language's texts in the target language without any diacritical symbols, it is limited by the target language's alphabetic system.

Keywords—The Arabic, Kazakh languages, onyms, transliterating

I. INTRODUCTION

SINCE relationships are getting stronger in diverse spheres of Kazakhstan and the Arab states, Arab publishers and websites began writing about Kazakhstan, more over, Arab authors began publishing about our country and our scientists' some of these works are being translated. However, the transliteration of Kazakh onyms is not systematized, that is why they are written in diverse versions in translations and Mass media.

In the above-mentioned book the name of كزاخستان Kazakhstan[Qazaqstan] is given in some cases as [Kazāḥstān], in other cases mostly is given as كازاخستان [Kāzāḥstān], the name of our nation the Καзακ [Qazaq]: الكازاخي $[al-kazabii^{iu}]$ الكازاخي $[al-kazabii^{iu}]$ and الكرخي $[al-kazabii^{iu}]$ kazāhi;^{iu}] is given in three variants. Another thing to point out is the word Kazakh [Qazaq] is written in two different ways [al-kazaḫii^{liu}] and الكزخي [al-kāzāḫii^{liu}]. The Capital الكزخي city of Kazakhstan Астана [Astana]: the variant أستانه ['Astānah] is given in four cases, the variant of أستانا ['Astānā] is given in five cases, the variant of اُستانة /'Astānatu] is written in eleven cases, the variant of استأنا ['Asta'nā] is given in one case (this error has probably been made by the publishing house) all are in four variants, the name of *Алматы* [Almaty], the city in South Kazakhstan is given like: الماتا ['Almātā] in one case, the variant of الماتي ['Almātī] is written in six cases, the variant of الماطي /'Almāṭī] is given three times; the variant of آلماتي ['Ālmāta] is given in one case all of them are in four variants.

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The city of Cemeŭ [Semeĭ]: is given in three variants: سيميبلاتنسك سيمبلاتنسك [Sīmībalātinsk], [Sīmibalātinsk], سيميبالاتينسك [Sīmībālātīnsk], The city of Қарағанды [Qarağandy] is given in two different variants قراغندة [Qaraġandatu] and قرغندة [Qaraġandatu] on one the same page, the city of **Қызылорда** [Qyzylorda]: given like قيزيل آردة [Qīzīl 'Ārda^{tu}], the city of **Temipmay** [Temīrtau]: تيميرتاو [Tīmīrtāu], Ақтау [Aqtau]: اكتاو [Aktāu], Байқоңыр [Baĭqongyr]: بایکانور [Bāṇkānūr], **Қаскелең** [Qaskeleng]: كسكيلين [Kaskīlīn], the settlement of Шамалган [Shamalğan]: نهر إيشيم [Tšīmūlġān]. The River of Ecin [Esīl]: نهر إيشيم [Nahru 'Īsīm], the names of our Parties like Anam [Alash], Aзат [Azat], Азамат [Azamat] and Отан [Otan]: וֹצוֹים ['Alāš], أزات ('Āzāt], عظمات ('Āzān], national currency теңге [tengge] is given in two variants: تنجه [Tanğah] and تنجة [Tanğa^{tu}], our traditional cuisine қымыз [qymyz] (horses milk), **wy6am** [shūbat] (camels milk), **құрт** [qūrt] (a snack made of milk, salty and usually very hard), айран [aĭran] (a beverage made of sour milk) before being قورت ,[Šūbāt] شوبات ,[Qīmīz] قيميز [Qīmīz] شوبات [Qūrt], וֹבְעוֹי ['Ai̞rān], **Teңiз** [Tengīz] (sea) oil platform transliterated as تينجيز [Tīnǧīz].

Analyzing Kazakh proper names, we realize that the situation of their transliteration is the same. For instance, surname of the President of Kazakhstan Nazarbayev Hasapõaea [Nazarbaev] is given in three variants: نزارباییف [Nazarbāṇ̄ɪf]]. These all are taken from only one book [2].

At first it is necessary to dwell on sound systems and alphabets of Arabic and Kazakh languages to systematize the transliteration of Kazakh onyms in Arabic texts.

The sound can be uttered, and heard, as for a letter, it can be written and read. We use symbols to designate sounds. Every nation has its own symbols to designate sounds. For instanse, the Kazakh alphabet has managed to change for several times, at first it was based on Arabic graphics, then changed to Latin, and then it turned Russian Cyrillic graphical symbols. Nowadays the most widespread writings are based on Latin, Cyrillic, Arabic, Chinese (hieroglyphs) symbols.

The number of sounds and the amount of letters are not always equal. For example, in words like **ащы** [ashshy] (a-ш-ш-ы [a-sh-sh-y]), **аяқ** [айак] (a-й-а-қ [a-ĭ-a-q]) there are more letters than sounds, but in words like **альбом** [al'bom], **руль** [rul'], **съезо** [s"ezd] there are more letters than sounds [23. p22.].

Like wise, in such Arabic words as $(bait^{un}]$ درس، $(bait^{un})$ المناب، $(dars^{un})$ کتاب، $(kit\bar{a}b^{un})$ the sounds are more than the letters.

- The symbols used to designate ë, ιο, я are additional sounds (diphthongs), they are the combinations of ŭ+ο [ĭ+ο] (ë [ĭo]), ŭ+y [ĭ+u] (ιο [ĭu],) ŭ+a [ĭ+a] (я [ĭa]), that is why they are not considered separately.
- Sounds like y [ts] (m+c [t+s]), y [tch] (m+w [t+ch]), w

ISSN: 2517-9411 Vol:6, No:8, 2012

[shsh] (w+w [sh+sh]) consisting of the words borrowed from Russian, given as separate sound, in Kazakh language the last sound in words like (w) ащы [ashshy], тушы [tūshshy] is used instead of combined w (w+w) sound.

- Usually, the sound "y" [u] is considered to be one sound. Actually the consonant "y" [u] is a different sound (e.g. mayða [tauda], қарауында [qarauynda]) and vowel "y" [u] is different (e.g. ypaн [uran], Убайдулла [Ubaĭdulla]), the latter "y" is pronounced like— yy [ūu], yy [ůu] as diphthong. Likewise the sound u [i], being as ый [yĭ] and ій [її] (e.g. сиыр [siyr], оқиды [oqidy]) is described as diphthong. Therefore if the sound u [i] is considered as separate, the sound y [u] might also be separate.

There are 34 sounds in Arabic:

ب، ث، ث، ج، ح، خ، د، ذ، ر، ز، س، ش، ص، ض، ط، ظ، ع، غ، ف، و، ب، ث، ث، ج، ح، خ، ف، ر، ز، س، ش، ص، ض، ط، ظ، ع، غ، ف، $[\bar{a}]$, a long vowel $[\bar{u}]$, a long vowel $[\bar{u}]$, as short vowel fatha = [a], a short vowel damma = [u], a short vowel damma = [u], a short vowel damma = [u], a short vowel damma = [u].

The rumble is produced by the air coming out from lungs and encountering articulatory system. Owing to such participation of sounds and rumble the sounds of language are divided into vowel and consonant [3].

A. The project of Kazakh onyms in the Arabic texts being transliterated

The academician T. Zhanuzak in his work dedicated to systematizing transliteration of Kazakh proper names into Russian referred to L.V. Sherba who says: "It is always necessary to pay attention to the initial form of the pronounciation of a given name. We should not distort the Dutch surnames according to German or an English pronunciation" [4]. N.M. Rsalieva who systematized the transliteration of Kazakh onyms into English said she used weakened form of transliteration [5]. In the 19th article of Law about the language of Republic of Kazakhstan: "The names of localities, streets, squares, moreover names of geographic objects, historical and traditional Kazakh names must be given in another language according to the rules of transliteration [6]

For the correct pronounciation of Kazakh onyms in the Arabic texts Kazakh names should be transmitted by sounds which are similar to the sounds of Kazakh or which are closer in sounding, using all the capabilities of Arabic language and keeping transliteration rules. To accomplish this, comparing sounds in both languages, we divide it into two parts "Kazakh sounds having equivalents in Arabic" and "Kazakh sounds lacking equivalent in Arabic".

II. TRANSLITERATING METHODS

A. Transmission method of Kazakh vowel sounds which have equivalents in Arabic

Being transmitted in Arabic Kazakh onyms's short vowels are not pointed out in writing, therefore it is convenient to fix long vowel instead. For instanse, let's assume we convey a person's name <code>Baneuh</code> [<code>Balgyn</code>] writing vowel sounds <code>a</code> [a], <code>bi</code> [y] contained in this word by the help of short vowel sounds, writing it like <code>i.i.</code> This words is unfamiliar for Arab people. Since it is not an Arabic word, diacritics are not certain either. They might read this name as [<code>Balgan</code>], [<code>Bilgan</code>], [<code>Bilgan</code>], [<code>Bulgan</code>], [<code>Bilgin</code>], [<code>Bulgan</code>] as they wish. In order to make its pronunciation correct, it is appropriate to use Arabic long vowel sounds instead of Kazakh vowel sounds. If we write the name <code>Balgyn</code> as <code>, i.i.</code> Arab people would pronounce it as [<code>Bālgin</code>] without any hesitation which is closer to its pronunciation in Kazakh.

As Arabic words do not start with vowel sound, when transliterating Kazakh onyms we should use consonant sound that is hamza. Thus, according to the rules pertaining to hamza and consonants, vowels in Kazakh onyms must be written as follows:

Kazakh vowel sounds having equivalents in Arabic:

"a" [a] ("ə" $[\acute{a}]$) – fatha – and alif $[\bar{a}]$, " \bar{u} " [i] –, – kasra – [i] and $\bar{\varphi}$ $[\bar{\imath}]$, " \bar{y} " [u] – damma – [u] and $\bar{\vartheta}$ $[\bar{u}]$.

- Non-labialised vowel sound "a" [\acute{a}] in the Arabic literary language corresponds to long vowel sound † [$\~{a}$] which comes after soft consonant sounds and corresponds to fatha harakat $^{\prime}$ [$^{\prime}a$]. That is why Kazakh onyms beginning with "a" [\acute{a}] must be transmitted by fathatic hamza † [$^{\prime}a$] or transmitting it by adding long vowel sound † [$^{\prime}a$] to fathatic hamza. For example, [\acute{a}]ekshoqy] † [$^{\prime}$ A † I † k † S † q †], O6iiii [\acute{a} b † sh] † 1 [$^{\prime}$ Ab † 8]. If sound «a» [\acute{a}] comes in the end and in the middle of the name it is correct to transmit it by long vowel † [† a]. For example, † 8 † 8 † 9 [† 8 † 9 † 9 [† 8 † 9 [$^{$
- Non-labialised vowel sound "u" [i] in the Arabic literary language corresponds to long vowel sound [ī] and kasra vowel harakat [i]. Therefore, it is proper to transmit Kazakh onyms beginning with the sound of "u" [i] into Arabic as الما [[i] by adding long vowels sound ج. For example, Uzicin [igīsīn] الما ['İkīsīn], Mmπου [İtzhon] المنجون ['İtgūn]. If vowel sound "u" [i] is in the middle or in the end of a definite entitlement, then it would be correct

ISSN: 2517-9411 Vol:6, No:8, 2012

to transmit it by long vowel sound φ [' $\bar{\imath}$]. For example, $Kupa6a\check{u}$ [$Qiraba\check{\imath}$] فير اباي [$Q\bar{\imath}r\bar{a}b\bar{a}i$]. If consonant sound " \check{u} " [i] is in the beginning, in the middle and in the end, it corresponds tothe sound of φ . For example, names $Ba\check{\imath}eapa$ [$Ba\check{\imath}eara$], $A\partial a\check{\imath}$ [$Ada\check{\imath}$] are written in the way of بايغار [$B\bar{a}ig\bar{a}r\bar{a}$] $\bar{\imath}$ [$Ada\check{\imath}$];

- Labial vowel sound "y" [u] in Arabic corresponds to long sound \jmath [ū] and to the sound of damma – [u] harakat. It is correct to transmit Kazakh onyms beginning with the sound of "y" [u] into Arabic as \jmath ['ū] by adding long vowel sound \jmath [ū] to dammic hamza. For example V pahõeκ [Uranbek] is written as الرابيك ['Ūrānbīk]. If vowel sound "y" [u] is in the middle and in the end of definite entitlement, it would be proper to transmit long vowel by \jmath . For instance, Tyēahōaŭ [Tuǧanbaŭ] المؤالية [Tūǧanbāi], \jmath [Tūġānbāi], \jmath [I it is pointed out by sound \jmath [u] whether it is in the beginning, in the middle or in the end. For example, names Τəyκeδaŭ [Táukebaĭ], Vamaŭ [Uataĭ], Anay [Alau] are written as تاكية [Tāukībāi] [Uātāi], [Vātāi].

B. Transmission method of Kazakh sounds lacking equivalent into Arabic

Kazakh vowels that have no equivalents in Arabic are: ω $\{y\}$, i $\{\bar{i}\}$, y $\{\bar{u}\}$, y $\{\bar{u}\}$, e $\{e\}$, g $\{e\}$, g $\{o\}$, g $\{o\}$.

In the Arabic literary language there is no saimilar sound to soft vowel sound "i" [ī]. The closest letter to this sound is kasra harakat – [i] and long sound of φ [ī]. There fore it is proper to transmit Kazakh onyms beginning withthe sound of "i" [ī] as ¬! ['ī] by adding long sound of φ[ī] to kasric hamza, and if it is in the middle and in the end of the word, then it would be transmitted by the sound of φ [ī].

For example, Інжу [Īnzhu] — إينجو [Ἰng̃ū], Бердібек [Berdībek] — ير ديبيك [Bīrdībīk], Көкпекті [Kókpektī] — كوكبيكتي [Kūkbīktī];

- There is no correspondent sound in the Arabic literary language to non-labialised soft vowel sounds as "e" [e] and "9" [e]. However, except soft consonant sounds, the closest sounds to the sounds "e" [e] and "9" [e] are kasra harakat [i] and long sound of φ [ī]. Therefore Kazakh onyms beginning with sounds like "e" [e] and "9" [e], in the

beginning of the word, should be transmitted as [i] by adding long sound of [i] to the kasric hamza [i], and if it is in the middle and in the end, we should transmit by long sound of [i]. For instance, Ecipken [Esirkep] – Ecipken [Esirkep] – Ecipken [Esirkap]

C. Transmission method of Kazakh consonant sounds having equivalents into Arabic

The list of Kazakh deaf consonant sounds having equivalent in Arabic languages below: $m[t] - \overline{\upsilon}[t] (L[t]), \kappa[q] - \overline{\upsilon}[q],$ $\kappa [k] - 2[k]$, $c[s] - \omega[s]$ ($\omega[s]$), $w[sh] - \tilde{b}[\tilde{s}]$, $\phi[f] - \tilde{b}[\tilde{s}]$ [f], $x \lceil kh \rceil - \dot{z} \lceil h \rceil$, $h \lceil \dot{h} \rceil - \circ \lceil h \rceil$. This has minor distinctions in sounding system; it refers to the list of consonant sounds which is considered to be common for both languages. If in Kazakh onyms consonant sound "m" [t] is weakened and in Arabic it would be $\dot{-}$ [t], if it is firm then it would correspond to 🗕 [t] consonant sounds. For instance, Түлкібай [Tůlkībay] – [Bīktūrī], نولكيباي [Bīktūrī], تولكيباي Келбет [Kelbet] – کیلبیت [Kīlbīt], Тыныштық [Tynyshtyq] – [ˌʾĀlmāṭī], طينيشطيق [Almaty] – الماطي [ʔālmāṭī], طينيشطيق Kocaκam [Qosaqat] – قوصاقاط [Qūṣāqāt]. The sound of "κ' [q] in Kazakh can be designated by the sound of $\ddot{\upsilon}$ [q] «qaf» in Arabic. For example, *Арқалық [Arqalyq] – أرقاليق* ['Arqālīq], Қонай [Qonaĭ] – قوناي [Qūnāi]. Therefore it would be close to our pronounciation if we write Қазақстан [Qazaqstan] as قازاق [Qāzāqistān], Қазақ [qazaq] as قازاق [Qāzāq]. The versions of كازاخ [Kāzāḥstān] and كازاخ [Kāzāh] is taken from Russian Казахстан [Kazakhstan] and казах [Kazakh]. It would be closer to writing in Kazakh if Russians wrote these words as Kasakemah [Kazakstan] and казак [Каzak].

However, due to the fact that there were lots of names of Don Cossacks' as $Ka3a\kappaob$ [Kazakov], $Ka3a\kappaob$ [Kazakov], it needed to be separated from them. All the world knows that scripts in English Kazakhstan, kazakh were borrowed directly from Russian. We would accept it as Qazaqstan, qazaq according to world-wide experience. Due to all the denominations beginning with the sound of $\mathcal{S}(qaf)$ is pointed out by the letter "q" in Arabic.

For instance, قطر [Qaṭar] – Qatar, العراق [al-'Irāq] – al-Iraq, العراق [al-Qur'ān] – al-Quran and etc. The sound of " κ " [k] is pointed out by Arabic symbol $\mathfrak{L}[k]$. For example, [Kentau] – ينطاو [Kīnṭāu], $\mathfrak{L}[k]$ [YĪrkīn], $\mathfrak{L}[k]$ [YĪrkīn] بير $\mathfrak{L}[k]$ [Berīk] بير $\mathfrak{L}[k]$ [Birīk].

The list of Kazakh ringing consonant sounds having equivalents in Arabic: $\delta[b] - \psi[b]$, $\varepsilon[\check{g}] - \dot{\varepsilon}[\dot{g}]$, $\delta[d] - \omega[d]$, $\varepsilon[zh] - \varepsilon[\check{g}]$, $\delta[d] - \omega[d]$, $\varepsilon[zh] - \varepsilon[\check{g}]$, $\delta[d] - \omega[d]$. They have slight distinctions; refer to the list of ringing consonant sounds which is considered to be common for both languages. The list of Kazakh sonorant consonant sounds owning equivalents in Arabic: $\varepsilon[m] - \varepsilon[m]$, $\varepsilon[m] - \varepsilon[m]$, $\varepsilon[m] - \varepsilon[m]$, $\varepsilon[m] - \varepsilon[m]$, $\varepsilon[m] - \varepsilon[m]$, $\varepsilon[m] - \varepsilon[m]$. They have minor distinctions; refer to the list of sonorant consonant sounds which is considered to be common for both languages.

Kazakh consonants which have no equivalents in Arabic: Kazakh consonants lacking equivalents in Arabic are given in the following list: e[v], e[g], u[ng], n[n], u[ts], u[ch], u[shsh]. The closest Arabic sound to "e" [v] is dental-labial sound u [f].

ISSN: 2517-9411 Vol:6, No:8, 2012

The sound «*6*» [*v*] which is encountered in Kazakh onyms is given in Arabic by the letter $\stackrel{\cdot}{\smile}$ [f]. For example: Вилнұр $[Viln\bar{u}r]$ فيلنور $[F\bar{\imath}ln\bar{u}r]$. The closest Arabic sound to "z" [g] is palatal, explosive consonant 4 [k]. The sound "z" [g] observed in kazakh onyms is transferred into Arabic by the letter ك [k]. for example: Гулмира [Gůlmira] – كولميرا [Kūlmīrā], Айгүл [Aĭgůl] – آپکول ['Āikūl], Шігілек [Shīgīlek] – شيكيليك /Šīkīlīk]. The closest sound in Arabic to the Kazakh sound " \mathcal{H} " [zh] is considered to be the sound z. The sound letter ج [ğ]. For example, Жыланды [Zhylandy] – جيلاندي [Ğīlāndī], Ақжарқын [Aqzharqyn] — أقجار قين ['Āqǧārqīn]. The closest Arabic sound to Kazakh sound "H" [ng] is nasal, dento-alveolar Arabic consonant \circ [n]. This can be defined by the fact that in tajwid according to the rule ihfa' (ذ (الإخفاء) [n] with sukun and tanwin can be pronounced as "H" [ng] when they precede particular 15 letters. The slight distinction from its Kazakh equivalent is that the sound is produced with the participation of oral cavity and nostril. Those 15 letters are following: ، س، ش، ص، ض، ط، ظ، ف، ق، ك . so, the sound «ң» زر [ng] in Kazakh onyms is transferred to Arabic by the letter ن [n].

III. CONCLUSIONS

For proper writing and pronounciation of Kazakh onyms in Arabic texts, both languages' sounding systems were discovered, corresponding sounds were found. For example, Kazakh vowel sounds having equivalents in Arabic: "a" [a] ("ə" [á]) – fatha – and alif \ [ā], "и" [i] –, – kasra – [i] and ي $\lceil \bar{\imath} \rceil$, "y" $\lceil u \rceil$ – damma '= $\lceil u \rceil$ and $\Im \lceil \bar{u} \rceil$; Kazakh consonant sounds having equivalent in Arabic: $m[t] - \Box[t](L[t])$, $\kappa[q]$ - ق[q], κ [k] - [k] , c [s] w [s] w [s] w [sh] [s], [s] $\phi[f] - \overset{\cdot}{\omega}[f], x[kh] - \overset{\cdot}{\varepsilon}[h], h[h] - \overset{\cdot}{\omega}[h], \delta[b] - \overset{\cdot}{\omega}[b], \varepsilon[\check{g}]$ - \dot{z} $[\dot{g}]$, $\dot{\partial}$ [d] \dot{z} [d], \dot{w} [zh] \dot{z} $[\check{g}]$, \dot{z} [z] \dot{z} [m] \dot{z} [m], μ [n] – υ [n], p [r] – υ [r], π [l] – υ [l], \check{u} $[\check{i}]$ – υ [i], y [u]- و [μ]., Kazakh vowel sounds lacking equivalents in Arabic: ы [y], i [ī], ұ [ū], ү [ů], е [е], э [ė], о [о], ө [о́];Каzаkh consonant sounds lacking equivalent in Arabic: в [v], г [g], ң [ng], n [n], u [ts], u[ch], u [shsh]. Instead of Kazakh sounds lacking equivalent in Arabic, there were chosen Arabic sounds with similar sounding. As a result, the project of transliterating Kazakh onyms in Arabic texts was made on the basis of practical, weakened transliteration types.

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